

# Good Growth Plan 2014-2019

**Syngenta**

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visit\_data\_catalog\_at: <https://microdata.worldbank.org/index.php>

## Identification

### SURVEY ID NUMBER

CHN\_2014-2019\_GGP-P\_v01\_M\_v01\_A\_OCS

### TITLE

Good Growth Plan 2014-2019

### COUNTRY/ECONOMY

Name	Country code
China	CHN

### STUDY TYPE

Agricultural Survey [ag/oth]

### ABSTRACT

Syngenta is committed to increasing crop productivity and to using limited resources such as land, water and inputs more efficiently. Since 2014, Syngenta has been measuring trends in agricultural input efficiency on a global network of real farms. The Good Growth Plan dataset shows aggregated productivity and resource efficiency indicators by harvest year. The data has been collected from more than 4,000 farms and covers more than 20 different crops in 46 countries. The data (except USA data and for Barley in UK, Germany, Poland, Czech Republic, France and Spain) was collected, consolidated and reported by Kynetec (previously Market Probe), an independent market research agency. It can be used as benchmarks for crop yield and input efficiency.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

Agricultural holdings

## Scope

### NOTES

Data was collected on the usage of inputs, such as crop protection products, chemical fertilizer, seeding rates, labor hours, machinery usage hours, and marketable crop yield on a per hectare basis.

### TOPICS

Topic	Vocabulary
Agriculture & Rural Development	FAO
Environment	FAO
Agricultural input efficiency	FAO

### KEYWORDS

Keyword
Input efficiency
Crop productivity
Agriculture
The Good Growth Plan

## Coverage

### GEOGRAPHIC COVERAGE

National coverage

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name
Syngenta

### PRODUCERS

Name	Role
Kynetec	Technical assistance

## Sampling

### SAMPLING PROCEDURE

#### A. Sample design

Farms are grouped in clusters, which represent a crop grown in an area with homogenous agro- ecological conditions and include comparable types of farms. The sample includes reference and benchmark farms. The reference farms were selected by Syngenta and the benchmark farms were randomly selected by Kynetec within the same cluster.

#### B. Sample size

Sample sizes for each cluster are determined with the aim to measure statistically significant increases in crop efficiency over time. This is done by Kynetec based on target productivity increases and assumptions regarding the variability of farm metrics in each cluster. The smaller the expected increase, the larger the sample size needed to measure significant differences over time. Variability within clusters is assumed based on public research and expert opinion. In addition, growers are also grouped in clusters as a means of keeping variances under control, as well as distinguishing between growers in terms of crop size, region and technological level. A minimum sample size of 20 interviews per cluster is needed. The minimum number of reference farms is 5 of 20. The optimal number of reference farms is 10 of 20 (balanced sample).

#### C. Selection procedure

The respondents were picked randomly using a “quota based random sampling” procedure. Growers were first randomly selected and then checked if they complied with the quotas for crops, region, farm size etc. To avoid clustering high number of interviews at one sampling point, interviewers were instructed to do a maximum of 5 interviews in one village.

Screened China BF were from Licheng Town (Liyang City, Jiangsu province) + Dinggou Town (Jiangdu District, Yangzhou city, Jiangsu province) + Shuikou Town (Tianchang city, Anhui Province) and were selected based on the following criterion:

- Rice rotation with wheat growers (professional)
- Professional farmer with rice being main income source
- Mechanical planting
- Co-op operation: Co-op operation means a local professional farmer who leases small fragmented pieces of lands from his neighbors (consolidation) to make it bigger and commercial farming scale
- Receive tech supports from CP suppliers or dealers
- Hire labor
- Suggest mechanical, Co-op type of farmers as benchmark farms. Compare SYT vs generic products. Rice-wheat rotation.

## data\_collection

### DATES OF DATA COLLECTION

Start	End
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2014

2019

## DATA COLLECTION MODE

Face-to-face [f2f]

**questionnaires**

## QUESTIONNAIRES

Data collection tool for 2019 covered the following information:

## (A) PRE- HARVEST INFORMATION

PART I: Screening

PART II: Contact Information

PART III: Farm Characteristics

a. Biodiversity conservation

b. Soil conservation

c. Soil erosion

d. Description of growing area

e. Training on crop cultivation and safety measures

PART IV: Farming Practices - Before Harvest

a. Planting and fruit development - Field crops

b. Planting and fruit development - Tree crops

c. Planting and fruit development - Sugarcane

d. Planting and fruit development - Cauliflower

e. Seed treatment

## (B) HARVEST INFORMATION

PART V: Farming Practices - After Harvest

a. Fertilizer usage

b. Crop protection products

c. Harvest timing &amp; quality per crop - Field crops

d. Harvest timing &amp; quality per crop - Tree crops

e. Harvest timing &amp; quality per crop - Sugarcane

f. Harvest timing &amp; quality per crop - Banana

g. After harvest

PART VI - Other inputs - After Harvest

a. Input costs

b. Abiotic stress

c. Irrigation

See all questionnaires in external materials tab

**data\_processing**

## DATA EDITING

Data processing:

Kynetec uses SPSS (Statistical Package for the Social Sciences) for data entry, cleaning, analysis, and reporting. After collection, the farm data is entered into a local database, reviewed, and quality-checked by the local Kynetec agency. In the case of missing values or inconsistencies, farmers are re-contacted. In some cases, grower data is verified with local experts (e.g. retailers) to ensure data accuracy and validity. After country-level cleaning, the farm-level data is submitted to the global Kynetec headquarters for processing. In the case of missing values or inconsistencies, the local Kynetec office was re-contacted to clarify and solve issues.

Quality assurance

Various consistency checks and internal controls are implemented throughout the entire data collection and reporting

process in order to ensure unbiased, high quality data.

- **Screening:** Each grower is screened and selected by Kynetec based on cluster-specific criteria to ensure a comparable group of growers within each cluster. This helps keeping variability low.
- **Evaluation of the questionnaire:** The questionnaire aligns with the global objective of the project and is adapted to the local context (e.g. interviewers and growers should understand what is asked). Each year the questionnaire is evaluated based on several criteria, and updated where needed.
- **Briefing of interviewers:** Each year, local interviewers - familiar with the local context of farming -are thoroughly briefed to fully comprehend the questionnaire to obtain unbiased, accurate answers from respondents.
- **Cross-validation of the answers:**
  - o Kynetec captures all growers' responses through a digital data-entry tool. Various logical and consistency checks are automated in this tool (e.g. total crop size in hectares cannot be larger than farm size)
  - o Kynetec cross validates the answers of the growers in three different ways:
    1. Within the grower (check if growers respond consistently during the interview)
    2. Across years (check if growers respond consistently throughout the years)
    3. Within cluster (compare a grower's responses with those of others in the group)
  - o All the above mentioned inconsistencies are followed up by contacting the growers and asking them to verify their answers. The data is updated after verification. All updates are tracked.
- **Check and discuss evolutions and patterns:** Global evolutions are calculated, discussed and reviewed on a monthly basis jointly by Kynetec and Syngenta.
- **Sensitivity analysis:** sensitivity analysis is conducted to evaluate the global results in terms of outliers, retention rates and overall statistical robustness. The results of the sensitivity analysis are discussed jointly by Kynetec and Syngenta.
- It is recommended that users interested in using the administrative level 1 variable in the location dataset use this variable with care and crosscheck it with the postal code variable.

## data\_appraisal

### DATA APPRAISAL

Due to the above mentioned checks, irregularities in fertilizer usage data were discovered which had to be corrected:

For data collection wave 2014, respondents were asked to give a total estimate of the fertilizer NPK-rates that were applied in the fields. From 2015 onwards, the questionnaire was redesigned to be more precise and obtain data by individual fertilizer products. The new method of measuring fertilizer inputs leads to more accurate results, but also makes a year-on-year comparison difficult. After evaluating several solutions to this problems, 2014 fertilizer usage (NPK input) was re-estimated by calculating a weighted average of fertilizer usage in the following years.

## Access policy

### CONTACTS

Name	Affiliation	Email	URL
The Good Growth Plan team	Syngenta	goodgrowthplan.data@syngenta.com	<a href="#">Link</a>

### CONFIDENTIALITY

The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO

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- The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO;
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#### CITATION REQUIREMENTS

The Good Growth Plan Progress Data - Productivity 2019

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The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses

## Metadata production

#### DDI DOCUMENT ID

DDI\_CHN\_2014-2019\_GGP-P\_v01\_M\_v01\_A\_OCS

#### PRODUCERS

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Metadata producer
Development Economics Data Group	DECDG	The World Bank	Metadata adapted for World Bank Microdata Library

#### DATE OF METADATA PRODUCTION

2023-01-26

#### DDI DOCUMENT VERSION

Version 01 (January 2023): This metadata was downloaded from the FAO website (<https://microdata.fao.org/index.php/catalog>) and it is identical to FAO version (CHN\_2014-2019\_GGP-P\_v01\_EN\_M\_A\_OCS). The following two metadata fields were edited - Document ID and Survey ID.

**data\_dictionary**

<b>Data file</b>	<b>Cases</b>	<b>variables</b>
<b>fertilizers</b>	0	17
<b>seed_treatment</b>	0	26
<b>Farm_level_data</b>	0	32
<b>Global_farm_data</b>	0	268
<b>Crop_protection</b>	0	32
<b>Location</b>	0	19
<b>Activities and Machinery (Q382)</b>	0	9





**Data file: fertilizers**

Cases:	0
variables:	17

**variables**

ID	Name	Label	Question
V1	harvestyear	Data collection wave	
V2	GrowingArea	To which field/plot does the information relate to?	
V3	ClusterID	Unique cluster ID	
V4	country	Country	
V5	Farmtype	Farm Type	
V6	GrowerID	Unique respondent ID	
V7	product	Unique code of a product that was applied	
V8	crop	The crop of focus	
V9	q229ca	Q229C a. Timing of (fertilizer) application AREA A	
V10	q229cb	Q229C b.Type of product	
V11	q229cd	Q229C d. Dosage (in KG/HECT or LITER/HECT)	
V12	q229ce	Q229C e. Unit of quantity	
V13	q229cf	Q229C f. Amount of H2O solved in LITERS per HECT	
V14	q229cg	Q229C g. Percentage N (in %)	
V15	q229ch	Q229C h. Percentage P (P2O5) (in %)	
V16	q229ci	Q229C i. Percentage K (K2O) (in %)	
V17	q229cj	Q229C j. Equipment type	

total: 17

**Data file: seed\_treatment**

Cases:	0
variables:	26

**variables**

ID	Name	Label	Question
V18	harvestyear	Data collection wave	
V19	GrowingArea	To which field/plot does the information relate to?	
V20	ClusterID	Unique cluster ID	
V21	country	Country	
V22	Farmtype	FARMTYPE	
V23	GrowerID	Unique respondent ID	
V24	product	Unique code of a product that was applied	
V25	crop	The crop of focus	
V26	q73	What is the amount of seeds in <KG> that has been sown per <HECT> ?	
V27	q233c_a	Q233C. a. Timing of product application	
V28	q233c_b	Q233C. b.Type of product	
V29	q233c_c	Q233C. c. Brand product name	
V30	q233c_c2	Q233C. c2. Brand product formulation	
V31	c233c_c	CODED VARIABLE - stringcode	
V32	c233ca1	CODED VARIABLE - active ingredient1	
V33	c233cp1	CODED VARIABLE - amount of ai1	
V34	c233cu1	CODED VARIABLE - unit (% or Gr)	
V35	c233ca2	CODED VARIABLE - active ingredient2	
V36	c233cp2	CODED VARIABLE - amount of ai2	
V37	c233ca3	CODED VARIABLE - active ingredient3	
V38	c233cp3	CODED VARIABLE - amount of ai3	
V39	q233c_d	Q233C. d. PRODUCT 1: Dosage	
V40	q233c_e	Q233C. e. PRODUCT 1: Unit of quantity	
V41	q233c_f	Q233C. f. PRODUCT 1: Amount of H2O solved in LITERS per <HECT>	
V42	q233c_g	Q233C. g. PRODUCT 1: Pest/disease/ weed targeted	
V43	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 26

**Data file: Farm\_level\_data**

Cases: 0

variables: 32

**variables**

ID	Name	Label	Question
V44	HarvestYear	Data collection wave	
V45	Region	Syngenta's definition of Region	
V46	Territory	Syngenta's definition of Territory	
V47	GrowingArea	To which field/plot does the information relate to?	
V48	ClusterID	Unique cluster ID	
V49	country	Country	
V50	Farmtype	Farm type	
V51	GrowerID	Unique respondent ID	
V52	Crop	The crop of focus	
V53	AreaSize	Q57. Size of growing area A for <TARG1> in <HECT>	
V54	CropSize	Q5.Total cultivated area of <TARG1> in this season in <HECT>	
V55	FarmSize	Q6. Total size of your farm/cultivated area for all crops in <HECT>	
V56	Landproductivity	Land efficiency in ton/ha	
V57	PesticideApplicationEfficiency	Number of field applications used per ton produced	
V58	NutrientEfficiency	Kgs of nitrogen used per ton produced	
V59	PhosphorusEfficiency	Kgs of phosphorus used per ton produced	
V60	PotassiumEfficiency	Kgs of potassium used per ton produced	
V61	SeedEfficiency	Kgs of seeds used per ton produced	
V62	PesticideEfficiency	Kgs of active ingredients from pesticides used in kilogram per ton produced	
V63	HerbicideEfficiency	Kgs of active ingredients from herbicides used per ton produced	
V64	FungicideEfficiency	Kgs of active ingredients from fungicides used per ton produced	
V65	InsecticideEfficiency	Kgs of active ingredients from insecticides used per ton produced	
V66	IrrigationWaterEfficiency	Litres of irrigation water used per ton produced	
V67	LaborEfficiency	Amount of labor hours per unit of crop output produced	
V68	MachineryEfficiency	Amount of machinery used in hours per unit of crop output produced	
V69	SyngentaShare	Percentage of syngenta products used compared to total number of products used	
V70	User_vs_non_user	Does the grower use Syngenta products?	
V71	protocol	have received a crop program and/or any recommendations this season?	
V72	field_preparation	Date of first field preparation	
V73	planting_date	Date of sowing or planting	
V74	harvest_begin	Date when harvest started	
V75	harvest_end	Date when harvest ended	

total: 32

**Data file: Global\_farm\_data**

Cases:	0
variables:	268

**variables**

ID	Name	Label	Question
V76	Territory	Syngenta definition of territory (sub-region)	
V77	country	Country	
V78	ClusterID	Unique cluster ID	
V79	GrowerID	Unique respondent ID	
V80	GrowingArea	To which field/plot does the information relate to?	
V81	Farmtype	Farmtype	
V82	q1c3	Q1.C3. Since you have participated before, we'd like to share with you your individual performance report	
V83	q1f	Q1. F. Would it be okay for you for Syngenta to contact you with follow-up information on The Good Growth Plan?	
V84	crop	Crop of focus	
V85	q56A2_1	Q56A2. Growing area changed from previous year- did not plant this area due to crop rotation	
V86	q56A2_2	Q56A2. Growing area changed from previous year- I hired another area	
V87	q56A2_3	Q56A2. Growing area changed from previous year- Sold or rented that area	
V88	q56A2_4	Q56A2. Growing area changed from previous year- I left my field fallow	
V89	q56A2_5	Q56A2. Growing area changed from previous year- Switched to field with Syngenta program	
V90	q56A2_6	Q56A2. Growing area changed from previous year- Do not cultivate Crop on that area anymore	
V91	q56A2_96	Q56A2. Growing area changed from previous year- Other specify 1	
V92	q56A2_99	Q56A2. Growing area changed from previous year? Don't know / no answer	
V93	q57a	Q57A. How certain you are of the size indication for growing area A?	
V94	q4055	Q4055. TON/HEC Yield objective for area A for <CROP> at beginning of this season?	
V95	q19	Q19. Surname	
V96	q20	Q20. First name	
V97	q21	Q21. Phone number	
V98	q22	Q22. E-mail address	
V99	q27	Q27. Year of birth	
V100	q28	Q28. Gender	
V101	q31	Q31. Until what age did you go to school?	
V102	q30	Q30. Are you a full-time or part-time farmer?	
V103	q30b	Q30. B. How long have you been engaged in farming activities?	
V104	q33	Q33. Did you receive an agronomical/agricultural education?	
V105	q34	Q34. Are you a member of a producer group, association or cooperative for <CROP>?	
V106	q35c	Q35. C. Overall, how satisfied would you say you are with your life these days?	
V107	q37a	Q37.A. Do you have signs of soil erosion by water on	
V108	q37b	Q37.B. Do you have signs of soil erosion by wind on your farm?	
V109	q7001	Q7001. Have you changed your tillage practices for <TARGET CROP> in the past 20 years?	
V110	q7002	Q7002. How did you change your tillage practices for <TARGET CROP>?	

ID	Name	Label	Question
V111	q7003	Q7003. How many years ago did you change your tillage practices for <TARGET CROP>?	
V112	q7004	Q7004. Have you grown cover crop to manage soil health in the past 20 years for <CROP>?	
V113	q7005	Q7005. How many years ago did you start growing a cover crop for <TARGET CROP> ?	
V114	q7006	Q7006 Have you stopped growing a cover crop in the past 20 years for <TARGET CROP>?	
V115	q7007	Q7007. How many years ago did you stop growing a cover crop for <TARGET CROP>?	
V116	q7008	Q7008. For <Crop> was any land converted from arable land/grassland/forest in the past 20 years?	
V117	q7009	Q7009. How did the use of your land change for <TARGET CROP>?	
V118	q7010	Q7010. How many years ago did the function of your land change for <TARGET CROP>?	
V119	q65	Q65. Do you practice intercropping for <TARGET CROP> ?	
V120	q66_7	Q66. Which crops do you intercrop? Corn	
V121	q66_13	Q66. Which crops do you intercrop? Potato	
V122	q66_14	Q66. Which crops do you intercrop? Rice	
V123	q66_15	Q66. Which crops do you intercrop? Soybean	
V124	q66_17	Q66. Which crops do you intercrop? Sugarcane	
V125	q66_18	Q66. Which crops do you intercrop? Sunflower	
V126	q66_21	Q66. Which crops do you intercrop? Wheat	
V127	q66_33	Q66. Which crops do you intercrop? Cauliflower (in general)	
V128	q60	Q60. Do you rotate crops on growing area A for <TARGET CROP>?	
V129	q61_1	Q61. What crops are you cultivating in rotation? Apples	
V130	q61_3	Q61. What crops are you cultivating in rotation? Barley	
V131	q61_4	Q61. What crops are you cultivating in rotation? Cauliflower	
V132	q61_7	Q61. What crops are you cultivating in rotation? Corn	
V133	q61_10	Q61. What crops are you cultivating in rotation? Oilseed rape	
V134	q61_12	Q61. What crops are you cultivating in rotation? Pepper	
V135	q61_13	Q61. What crops are you cultivating in rotation? Potato	
V136	q61_14	Q61. What crops are you cultivating in rotation? Rice	
V137	q61_15	Q61. What crops are you cultivating in rotation? Soybean	
V138	q61_17	Q61. What crops are you cultivating in rotation? Sugarcane	
V139	q61_18	Q61. What crops are you cultivating in rotation? Sunflower	
V140	q61_19	Q61. What crops are you cultivating in rotation? Tomato	
V141	q61_20	Q61. What crops are you cultivating in rotation? Watermelon	
V142	q61_21	Q61. What crops are you cultivating in rotation? Wheat	
V143	q61_25	Q61. What crops are you cultivating in rotation? Beets/roots (turnip, yam)	
V144	q61_62	Q61. What crops are you cultivating in rotation? Millet	
V145	q61_80	Q61. What crops are you cultivating in rotation? Pulses (lentils, beans, peas)	
V146	q61_96	Q61. What crops are you cultivating in rotation? Other. Specify 1	
V147	q61_97	Q61. What crops are you cultivating in rotation? Other. Specify 2	
V148	q67	Q67. What is the soil type of growing area A for <TARGET CROP>?	
V149	q67b	Q67B. Texture is your soil on growing area A for <TARGET CROP> this season?	
V150	q7011	Q7011. How moist would rate your soil on growing area A for <TARGET CROP> this season?	
V151	q7012	Q7012 Rate the drainage of water through the soil on area A for <TARGET CROP> this season?	
V152	q55e1	Q55E1.Partook in training/meeting on crop/agricultural practices in the past 2 years?	
V153	q5500	Q5500. During the training/meeting, at least 15 minutes talking about safe-use practices	
V154	q55E2_1	Q55E2. Who organized this training? Syngenta representative	

ID	Name	Label	Question
V155	q55E2_2	Q55E2. Who organized this training? Internet	
V156	q55E2_3	Q55E2. Who organized this training? Extension officer	
V157	q55E2_4	Q55E2. Who organized this training? Cooperative	
V158	q55E2_5	Q55E2. Who organized this training? Agronomist/advisor	
V159	q55E2_6	Q55E2. Who organized this training? Supplier	
V160	q55E2_7	Q55E2. Who organized this training? Governmental organization (e.g. Ministry)	
V161	q55E2_96	Q55E2. Who organized this training? Other specify 1:	
V162	q55E2_99	Q55E2. Who organized this training? Don't know / no answer	
V163	q5501	Q5501. Have you been contacted by a Syngenta representative during the past season?	
V164	q5502_1	Q5502. Can you describe how the Syngenta representative contacted you? Demonstration day	
V165	q5502_2	Q5502. Can you describe how the Syngenta representative contacted you? They visited my farm	
V166	q5502_3	Q5502. Can you describe how the Syngenta representative contacted you? Received a brochure	
V167	q5502_4	Q5502. Can you describe how the Syngenta representative contacted you? Phone call	
V168	q5502_5	Q5502. Can you describe how the Syngenta representative contacted you? E-mail communication	
V169	q5502_96	Q5502. Can you describe how the Syngenta representative contacted you? Other specify 1:	
V170	q5503	Q5503. How useful was contact with the Syngenta Representative	
V171	q4041a	Q4041.A. Do you feel the need to follow training on crop cultivation in the near future?	
V172	q54_1	Q54. Where do you deposit the rest water after spraying? Citerne (phytobac, heliose, sentinel, biofilter)	
V173	q54_2	Q54. Where do you deposit the rest water after spraying? In fields	
V174	q54_3	Q54. Where do you deposit the rest water after spraying? In rivers, streams, drain or via the ditch	
V175	q54_96	Q54. Where do you deposit the rest water after spraying? Other specify 1:	
V176	q54_oth1	Q54. Other 1:: Q54. Where do you deposit the rest water after spraying?	
V177	q55a_1	Q55a. Where do you clean your sprain equipment? On farm	
V178	q55b_1	Q55b. Where do you dispose the water used for cleaning you equipment? On field	
V179	q55b_2	Q55b. Where do you dispose the water used for cleaning you equipment? Citerne	
V180	q55b_3	Q55b. Where do you dispose the water used for cleaning you equipment? On an unpaved surface	
V181	q55b_4	Q55b. Where do you dispose the water used for cleaning you equipment? On a paved surface (drain / dike)	
V182	q55b_96	Q55b. Where do you dispose the water used for cleaning you equipment? Other specify 1:	
V183	q55c	Q55. C. Do you store the sprayer protected from rain?	
V184	q55d	Q55. D. Do you use drift-reducing nozzles on your sprayer?	
V185	q71c	Q71. C. Could you please note down the strengths of the Barley variety that you have sown.	
V186	q72	Q72. When did the first field preparation start for growing area A for <TARGET CROP> ?	
V187	q73	Q73. KGs/HECT of seeds sown for growing area A for <TARGET CROP>	
V188	q73a1	Q73A1. What is the amount of seeds that has been sown for growing area A?	
V189	q73a1unit	Q73A1.UNIT Please indicate the measurement unit used?	
V190	Q7014a	Q7014.A. Do you cultivate rice in a drought prone environment?	
V191	q123b	Q123. B. Which type of potatoes do you cultivate on growing area A for potato?	
V192	q123both	Q123. B. Other Which type of potatoes do you cultivate on growing area A for potato?	
V193	q74	Q74. When was the crop sown / planted for growing area A for <TARGET CROP>?	
V194	q7400	Q7400. Have you sown/planted <TARGET CROP> in the same period as last year?	

ID	Name	Label	Question
V195	q231b	Q231B. Are your seeds coated with crop protection products?	
V196	q233	Q233. Do you use on-farm or pre-treated seed treatment to treat the seeds for growing area A for <TARGET CROP>?	
V197	q397new	Q397_NEW. If you have received a crop program and/or any recommendations for growing to implement this season.	
V198	q224a	Q224 A. Did you perform a soil test for <TARGET CROP>?	
V199	q224	Q224. Do you apply organic fertilizers for <TARGET CROP>?	
V200	q226	Q226. Do you apply chemical fertilizers for <TARGET CROP>?	
V201	q229b1	Q229B1.Total number of applications you perform with chemical fertilizers on growing area for <TARGET CROP>?	
V202	q229b2	Q229B2.Total number of applications you perform with organic fertilizers on growing area for <TARGET CROP>?	
V203	q240e_1	Q240E. We would like to better understand the pest pressure on the selected growing areas. INSECT PRESSURE	
V204	q240e_2	Q240E. We would like to better understand the pest pressure on the selected growing areas. DISEASE PRESSURE	
V205	q240e_3	Q240E. We would like to better understand the pest pressure on the selected growing areas. WEED PRESSURE	
V206	q240en	Q240.E1. Do you generally use drift-reducing nozzles on your sprayer?	
V207	q240d	Q240D. Note down the total number of treatments you perform with crop protection products	
V208	q75	Q75. What is the final stand i.e. the number of plants - per <SQUARE METER>/<TARGET CROP>?	
V209	q76	Q76. Prior to harvest, indicate the percentage of the plot area that is lodged for <TARGET CROP>?	
V210	q243a	Q243. When was the harvest period for <TARGET CROP>?	
V211	q243b	Q243. When was the harvest period for <TARGET CROP>?	
V212	q243bb	Q243b. Have you harvested <TARGET CROP> in the same period as last year?	
V213	q244	Q244. Marketable yield that has been achieved for growing area A for <TARGET CROP> in <TON> per <HECTARES>?	
V214	q274a	Q274. Yield that has been achieved for growing area A for corn in <TON> per <HECTARES>? Grain yield	
V215	q274b	Q274. Yield that has been achieved for growing area A for corn in <TON> per <HECTARES>? Silage yield	
V216	q274c	Q274. Yield that has been achieved for growing area A for corn in <TON> per <HECTARES>? Cobs yield	
V217	q274_unit	q274_unit. If measurement unit is different than ton per hectares, please specify.	
V218	q299	Q299. What is the tuber yield that has been achieved for potato in <TON>/<HECTARES>?	
V219	q4094_1	Q4094. Who measured the yield on each of the growing areas? Myself	
V220	q4094_2	Q4094. Who measured the yield on each of the growing areas? Dealer/store	
V221	q4094_3	Q4094. Who measured the yield on each of the growing areas? Manufacturer/representative	
V222	q4094_4	Q4094. Who measured the yield on each of the growing areas? Independent advisor	
V223	q4094_5	Q4094. Who measured the yield on each of the growing areas? Cooperative	
V224	q4094_96	Q4094. Who measured the yield on each of the growing areas? Other specify1	
V225	q4094_98	Q4094. Who measured the yield on each of the growing areas? Other specify3	
V226	q4094_99	Q4094. Who measured the yield on each of the growing areas? Don't know / no answer	
V227	q4094_oth2	Q4094.Other specify:: Q4094. Who measured the yield? Multiple response.	
V228	q4094_oth3	Q4094.Other specify:: Q4094. Who measured the yield? Multiple response.	
V229	q4095a	Q4095. A. Compared to previous year, would you say your yield has ...?	
V230	q4096a	Q4096. A. How satisfied are you with your yield this season?	

ID	Name	Label	Question
V231	q4097a	Q4097. A. How satisfied are you with the price you received on the market?	
V232	q251	Q251. % of crop damaged at the time of harvest (total lost - not marketable) for <TARGET CROP>?	
V233	q360a	Q360. When was the harvest period for <TARGET CROP>?	
V234	q360b	Q360. When was the harvest period for <TARGET CROP>?	
V235	q319a	Q319. When was the harvest period for sugarcane?	
V236	q319b	Q319. When was the harvest period for sugarcane?	
V237	q339a	Q339. When was the harvest period for banana?	
V238	q339b	Q339. When was the harvest period for banana?	
V239	q246_1	Q246. % of the harvest of your target crop is used for own consumption	
V240	q246_2	Q246. % of the harvest of your target crop is used for feeding livestock	
V241	q246_3	Q246. % of the harvest of your target crop is used for harvest sold	
V242	q4002	Q4002. Did you take measures to prevent post-harvest loss for <TARGET CROP>?	
V243	q4002b	Q4002. B. Please indicate the tare post-harvest in percentage <TARGET CROP>?	
V244	q7013	Q7013. How do you deal with crop residue of <TARGET CROP>?	
V245	q377	Q377. What is the estimated revenue in <DOLLAR>/<HECTARES> for growing area A of <TARGET CROP>?	
V246	q378	Q378. Could you please indicate the estimated revenue in general? <DOLLAR>/<HECTARES>.	
V247	q379	Q379.A Can you please explain your answer for <TARGET CROP>?	
V248	q379a	Q379. How would you rate your profitability for <TARGET CROP> compared to past season?	
V249	q380	Q380. What is your total input cost for <TARGET CROP> from first field preparation until harvest?	
V250	q4111_1	Q4111. Actual costs SEEDS for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V251	q4111_2	Q4111. Actual costs FERTILIZERZ for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V252	q4111_3	Q4111. Actual costs LABOR for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V253	q4111_4	Q4111. Actual costs MACHINERY <TARGET CROP>?<DOLLAR>/<HECTARES>	
V254	q4111_5	Q4111. Actual costs WATER USE for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V255	q4111_6	Q4111. Actual costs FUEL for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V256	q4111_7	Q4111. Actual costs RENT/LOAN for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V257	q4111_8	Q4111. Actual costs FUNGICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V258	q4111_9	Q4111. Actual costs HERBICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V259	q4111_10	Q4111. Actual costs INSECTICIDES <TARGET CROP>?<DOLLAR>/<HECTARES>	
V260	q4111_98	Q4111. Actual costs DRYING for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V261	q381_1	Q381. Percentage of TREES/SEED costs out of the total input cost for <TARGET CROP>?	
V262	q381_2	Q381. Percentage of FERTILIZERS costs out of the total input cost for <TARGET CROP>?	
V263	q381_3	Q381. Percentage of PESTICIDES costs out of the total input cost for <TARGET CROP>?	
V264	q381_4	Q381. Percentage of LABOR costs out of the total input cost for <TARGET CROP>?	
V265	q381_5	Q381. Percentage of MACHINERY costs of the total input cost for <TARGET CROP>?	
V266	q381_6	Q381. Percentage of WATER USE costs out of the total input cost for <TARGET CROP>?	
V267	q381_7	Q381. Percentage of FUEL costs out of the total input cost for <TARGET CROP>?	
V268	q381_8	Q381. Percentage of ELECTRICITY costs out of the total input cost for <TARGET CROP>?	
V269	q381_9	Q381. Percentage of GAS costs out of the total input cost for <TARGET CROP>?	
V270	q381_10	Q381. Percentage of RENT/LOAN costs out of the total input cost for <TARGET CROP>?	
V271	q381_98	Q381. Percentage of OTHER costs out of the total input cost for <TARGET CROP>?	
V272	q4121	Q4121. In general for the whole cultivation period, rate the weather conditions for <TARGET CROP>?	



ID	Name	Label	Question
V273	q387_1	Q387. What was the impact for target crop? Reduced yield	
V274	q387_2	Q387. What was the impact for target crop? Reduced yield quality	
V275	q387_3	Q387. What was the impact for target crop? No impact	
V276	q387_96	Q387. What was the impact for target crop? Other. Specify 1:	
V277	q387_97	Q387. What was the impact for target crop? Other. Specify 2:	
V278	q387_99	Q387. What was the impact for target crop? Don't know / no answer	
V279	q387_oth1	Q387.Other. Impact for growing area A on the <TARGET CROP>?	
V280	q387_oth2	Q387.Other. Impact for growing area A on the <TARGET CROP>?	
V281	q388	Q388. How would you say the level of rainfall was for growing area A	
V282	q388b	Q388. B. You mentioned you had less rainfall this season than usual. Was this problematic?	
V283	q388d	Q388D. You mentioned you had more rainfall this season than usual. Was this problematic?	
V284	q3880	Q3880. How would you say the temperature was during this season ?	
V285	q3880b	Q3880 B. You mentioned you had lower temperatures this season than usual. Was this problematic?	
V286	q3880d	Q3880 D. You mentioned you had higher temperatures this season than usual. Was this problematic?	
V287	q389	Q389. What is the MAIN water source of <TARGET CROP> during this season?	
V288	q390	Q390. What is the number of days you have been irrigating <TARGET CROP>?	
V289	q391	Q391. What is the average amount of hours per day you have been irrigating of <TARGET CROP>?	
V290	q392	Q392. What is the amount of liters that is discharged per hour of <TARGET CROP>?	
V291	q7016	Q7016. Please indicate what percentage of the area is irrigated for <TARGET CROP>	
V292	q7017	Q7017. Which method of irrigation did you apply for <TARGET CROP>?	
V293	q399c	Q399.C. How satisfied are you with the crop program and/or recommendations for <TARGET CROP>?	
V294	date1	field preparation	
V295	date2	sowing/planting	
V296	date3a	begin harvest	
V297	date3b	end harvest	
V298	harvestyear	Data collection wave	
V299	q215	Q215. When did the first field preparation start for cauliflower?	
V300	q218	Q218. When have the young plants been planted for cauliflower?	
V301	q4000_1	q4000_1. To whom do you sell your yield - I sell it on the local market	
V302	q4000_2	q4000_2. To whom do you sell your yield - I sell it to a trader	
V303	q4000_3	q4000_3. To whom do you sell your yield - I sell it to a wholesaler	
V304	q4000_4	q4000_4. To whom do you sell your yield - I sell it to a feed processing plant	
V305	q4000_5	q4000_5. To whom do you sell your yield - I sell it to a cooperative I am part of	
V306	q4000_6	q4000_6. To whom do you sell your yield -I sell it under a contract	
V307	q4000_7	q4000_7. To whom do you sell your yield -Government owned rural collection center	
V308	q4000_96	q4000_96. To whom do you sell your yield -Other. Specify 1:	
V309	q4000_99	q4000_99. To whom do you sell your yield -Don't know / no answer	
V310	q4000_oth1	Q4000b. Can you please tell us what are your main sources for selling the harvest? Other. Specify 1	
V311	q389_1	q389_1. Which water source has been used for irrigation? Private connection to pipeline	
V312	q389_2	q389_2. Which water source has been used for irrigation? Private well	
V313	q389_3	q389_3. Which water source has been used for irrigation? Private borehole	
V314	q389_4	q389_4. Which water source has been used for irrigation? Public river, stream	

ID	Name	Label	Question
V315	q389_5	q389_5. Which water source has been used for irrigation? Public lake, pond	
V316	q389_96	q389_96. Which water source has been used for irrigation? Other specify 1:	
V317	q389_99	q389_99. Which water source has been used for irrigation? Don't know / no answer	
V318	q389_oth1	q389_96. Which water source has been used for irrigation? Other specify 1:	
V319	q399	Q399. Please explain why you follow or do not follow the crop program and/or recommendations.	
V320	q397	Q397. Received a recommended growing protocol or crop program from an agricultural advisor?	
V321	q397b_oth1	Q397B. From whom did you receive the protocol/crop program? Other 1	
V322	q397c	Q397C. Did you receive a protocol/crop program from Syngenta?	
V323	q397d_oth	Q397.D. From which manufacturer have you received a protocol/crop program? OTHER	
V324	q35a_1	Q35.A. What group/association/cooperative are a member of? 1ST	
V325	q35a_2	Q35.A. What group/association/cooperative are a member of? 2ND	
V326	q58	Q58. In general, what is the topography of your growing area?	
V327	q58oth	Q58. In general, what is the topography of your growing area? OTHER	
V328	q116	Q116. What production system is used for rice?	
V329	q119	Q119. Please indicate the inter-row space that is applied?	
V330	q232_99	Q232_99. From which supplier do you buy your young plants? Don't know / no answer	
V331	q230_1	Bought seeds	
V332	q230_2	Saved seeds	
V333	q302	Q302. What is the percentage of decay for potato?	
V334	q303	Q303. What is the percentage of shrink loss for potato?	
V335	q4001	Q4001. % of crop lost in-between harvest and storage or selling <TARG1>?	
V336	q147	Q147. When have the young plants been planted ?	
V337	q247_1a	Q247. BUYER 1 % of yield	
V338	q247_2a	Q247. BUYER 2 % of yield	
V339	q247_1b	Q247. BUYER 1 price per metric ton	
V340	q247_2b	Q247. BUYER 2 price per metric ton	
V341	q295	Q295. What is the level of brokens in percentage for rice?	
V342	q297	Q297. % of colored grains and contaminants for rice?	
V343	q301	Q301. What is the starch content per potato? (%)	

total: 268

**Data file: Crop\_protection**

Cases: 0

variables: 32

**variables**

ID	Name	Label	Question
V344	harvestyear	Data collection wave	
V345	GrowingArea	To which field/plot does the information relate to?	
V346	ClusterID	Unique cluster ID	
V347	country	Country	
V348	Farmtype	FARMTYPE	
V349	GrowerID	Unique respondent ID	
V350	product	Unique code of a product within application	
V351	crop	The crop of focus	
V352	application	Unique code of an application per field per grower	
V353	q241a	Q241 a. Timing of product application	
V354	q241b	Q241 b.Type of product	
V355	q241c	Q241 c . Brand product name	
V356	q241c1	Q241 c1. Brand product formulation	
V357	c241c	CODED VARIABLE - stringcode	
V358	c241ca1	CODED VARIABLE - active ingredient1	
V359	c241cp1	CODED VARIABLE - amount of ai1	
V360	c241cu1	CODED VARIABLE - unit (% or Gr)	
V361	c241ca2	CODED VARIABLE - active ingredient2	
V362	c241cp2	CODED VARIABLE - amount of ai2	
V363	c241ca3	CODED VARIABLE - active ingredient3	
V364	c241cp3	CODED VARIABLE - amount of ai3	
V365	c241cpt	CODED VARIABLE - total amount of ai	
V366	q241d	CODED VARIABLE Q241 d. Dosage ?	
V367	q241e	CODED VARIABLE Q241 e. Unit of quantity	
V368	q241f	Q241 f. Amount of H2O solved in LITERS per <HECTARE>	
V369	q241g	Q241 g. Pest/disease/ weed targeted ?	
V370	q241h	Q241 h. Level of pest/ disease/ weed pressure	
V371	q241i	Q241 i. Percentage of the area treated against pests/ diseases/ weeds	
V372	q241j	Q241 j. Percentage of crop free of pests/ diseases/ weeds at harvest (in %)	
V373	q241k	Q241 k. Equipment type ?	
V374	q241n	Q241 n. What is the timing of the treatment - before crop-emergence or after crop-emergence	
V375	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 32

**Data file: Location**

Cases:	0
variables:	19

**variables**

ID	Name	Label	Question
V376	harvestyear	Year in which the data was collected	
V377	country	Country	
V378	ClusterID	Unique identifier per cluster	
V379	GrowerID	Unique identifier per grower	
V380	GrowingArea	Field code (A or B)	
V381	CORNER	Multiple corners of same field can be registered (only from 2018 onwards)	
V382	gps_option	gps_option	
V383	gps_shape	Description of the field (from 2018 onwards)	
V384	q22d_lat_deg	Latitude degrees	
V385	q22d_lat_min	Latitude minutes	
V386	q22d_lat_sec	Latitude seconds	
V387	q22d_lon_deg	Longitude degrees	
V388	q22d_lon_min	Longitude minutes	
V389	q22d_lon_sec	Longitude seconds	
V390	remark_area	Remark from the interviewer (2019 onwards)	
V391	q151	Q151. Open field or in a greenhouse?	
V392	q1f	Q1. F. Would it be okay for you for this company to contact you with information on The GGP?	
V393	q25	Q25. Farm address - postal code	
V394	admin_level_1	administrative area 1	

total: 19

**Data file: Activities and Machinery (Q382)**

Cases: 0

variables: 9

**variables**

ID	Name	Label	Question
V395	harvestyear	Year in which the data was collected	
V396	country	Country	
V397	crop	Crop	
V398	ClusterID	Unique identifier per cluster	
V399	farmtype	Reference farms versus Benchmark farms	
V400	GrowerID	Unique identifier per grower	
V401	GrowingArea	Field code (A or B)	
V402	activity	Which activities did the grower do on his field?	
V403	Machinery	Did he use power driven equipment to complete this activity?	

total: 9



**HARVESTYEAR: Data collection wave****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2015 - 2019 Format: Numeric

**Q229CB: Q229C b.Type of product****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Chemical fertilizer
2	Organic fertilizer

**GROWINGAREA: To which field/plot does the information relate to?****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	A
2	B

**CLUSTERID: Unique cluster ID****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
ChinaMaize1+2	ChinaMaize1+2
ChinaMaize3	ChinaMaize3
ChinaMaize3+4+5	ChinaMaize3+4+5
ChinaMaize4	ChinaMaize4
ChinaMaize5	ChinaMaize5
ChinaMaize6	ChinaMaize6
ChinaMaize6+7	ChinaMaize6+7
ChinaMaize7	ChinaMaize7
ChinaPotato1+2	ChinaPotato1+2
ChinaPotato3	ChinaPotato3
ChinaRice1early	ChinaRice1early
ChinaRice1late	ChinaRice1late
ChinaRice2early	ChinaRice2early
ChinaRice2late	ChinaRice2late
ChinaRice3	ChinaRice3
ChinaRice3+4+5	ChinaRice3+4+5
ChinaRice4	ChinaRice4
ChinaRice5	ChinaRice5

### COUNTRY: Country

Data file: fertilizers

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
China	China

### FARMTYPE: Farm Type

Data file: fertilizers



## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

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### CATEGORIES

Value	Category
BF	BF
RF	RF

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## GROWERID: Unique respondent ID

Data file: fertilizers

## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

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### CATEGORIES

Value	Category
710160	710160
710170	710170
710180	710180
710190	710190
710200	710200
710230	710230
710370	710370
710400	710400
710420	710420
710430	710430
710440	710440
710450	710450
710850	710850
710870	710870
710880	710880
710890	710890
710900	710900
710910	710910

710920	710920
710930	710930
710940	710940
710950	710950
710960	710960
710970	710970
710980	710980
710990	710990
711000	711000
711010	711010
711020	711020
711030	711030
711070	711070
711180	711180
711190	711190
711200	711200
711220	711220
711230	711230
711240	711240
711320	711320
711330	711330
711340	711340
711350	711350
711360	711360
711370	711370
711380	711380
711390	711390
711400	711400
711410	711410
711420	711420
711430	711430
711440	711440
711450	711450
711540	711540
711560	711560
711590	711590
711600	711600
711620	711620
712052	712052

712072	712072
712092	712092
712112	712112
712122	712122
712232	712232
713252	713252
713262	713262
713512	713512
713732	713732
713742	713742
713752	713752
713762	713762
713782	713782
713783	713783
713784	713784
714011	714011
714012	714012
714021	714021
714022	714022
714031	714031
714032	714032
714041	714041
714042	714042
714051	714051
714052	714052
714061	714061
714062	714062
714071	714071
714072	714072
714081	714081
714082	714082
714091	714091
714092	714092
714101	714101
714102	714102
714502	714502
715191	715191
715192	715192
715261	715261

715262	715262
715281	715281
715282	715282
715291	715291
715292	715292
715301	715301
715302	715302
715311	715311
715312	715312
715321	715321
715322	715322
715331	715331
715332	715332
715341	715341
715342	715342
715352	715352
715362	715362
715392	715392
715402	715402
716110	716110
716120	716120
716130	716130
716140	716140
716150	716150
716160	716160
716170	716170
716180	716180
716190	716190
716200	716200
716210	716210
716220	716220
716230	716230
717010	717010
717030	717030
717050	717050
717070	717070
717090	717090
717110	717110
717120	717120

717130	717130
717150	717150
717170	717170
717190	717190
717210	717210
718010	718010
718020	718020
718030	718030
718040	718040
718050	718050
718060	718060
718070	718070
718080	718080
718090	718090
718100	718100
718110	718110
718120	718120
718130	718130
718140	718140
718150	718150
718160	718160
718170	718170
718180	718180
718190	718190
718200	718200
719100	719100
719110	719110
719120	719120
719130	719130
719140	719140
719150	719150
719160	719160
719170	719170
719180	719180
719190	719190
719200	719200
719210	719210
720010	720010
720020	720020

720030	720030
720040	720040
720050	720050
720060	720060
720070	720070
720080	720080
720090	720090
720100	720100
720110	720110
720120	720120
720130	720130
720140	720140
720150	720150
720240	720240
720270	720270
720280	720280
720290	720290
720300	720300
720310	720310
720320	720320
720330	720330
720340	720340
720350	720350
720360	720360
720380	720380
720390	720390
720470	720470
720480	720480
720490	720490
720500	720500
720510	720510
720520	720520
720530	720530
720540	720540
720550	720550
720560	720560
720570	720570
720580	720580
720590	720590

720610	720610
720700	720700
720710	720710
720720	720720
720730	720730
720740	720740
720750	720750
720760	720760
720780	720780
720800	720800
720810	720810
720820	720820
720830	720830
720840	720840
720910	720910
720920	720920
720940	720940
720960	720960
720970	720970
720980	720980
720990	720990
721000	721000
721010	721010
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## PRODUCT: Unique code of a product that was applied

Data file: fertilizers

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
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2	2
3	3

4	4
5	5
6	6
7	7
8	8

## CROP: The crop of focus

Data file: fertilizers

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
Corn	Corn
Potato	Potato
Rice	Rice

## Q229CA: Q229C a. Timing of (fertilizer) application AREA A

Data file: fertilizers

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

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2015-03-22	2015-03-22



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2015-03-28	2015-03-28
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2019-04-27	2019-04-27
2019-04-28	2019-04-28
2019-04-29	2019-04-29
2019-04-30	2019-04-30
2019-05-01	2019-05-01
2019-05-02	2019-05-02
2019-05-03	2019-05-03
2019-05-04	2019-05-04
2019-05-05	2019-05-05
2019-05-06	2019-05-06
2019-05-07	2019-05-07
2019-05-08	2019-05-08
2019-05-09	2019-05-09
2019-05-10	2019-05-10
2019-05-11	2019-05-11
2019-05-12	2019-05-12
2019-05-14	2019-05-14
2019-05-15	2019-05-15
2019-05-19	2019-05-19
2019-05-20	2019-05-20
2019-05-24	2019-05-24
2019-05-25	2019-05-25
2019-05-27	2019-05-27
2019-05-28	2019-05-28
2019-05-29	2019-05-29
2019-05-30	2019-05-30
2019-06-01	2019-06-01
2019-06-02	2019-06-02

2019-06-03	2019-06-03
2019-06-05	2019-06-05
2019-06-06	2019-06-06
2019-06-07	2019-06-07
2019-06-08	2019-06-08
2019-06-09	2019-06-09
2019-06-10	2019-06-10
2019-06-12	2019-06-12
2019-06-14	2019-06-14
2019-06-15	2019-06-15
2019-06-16	2019-06-16
2019-06-17	2019-06-17
2019-06-18	2019-06-18
2019-06-20	2019-06-20
2019-06-21	2019-06-21
2019-06-23	2019-06-23
2019-06-25	2019-06-25
2019-06-26	2019-06-26
2019-06-27	2019-06-27
2019-06-28	2019-06-28
2019-06-29	2019-06-29
2019-06-30	2019-06-30
2019-07-01	2019-07-01
2019-07-02	2019-07-02
2019-07-03	2019-07-03
2019-07-04	2019-07-04
2019-07-05	2019-07-05
2019-07-06	2019-07-06
2019-07-07	2019-07-07
2019-07-09	2019-07-09
2019-07-10	2019-07-10
2019-07-11	2019-07-11
2019-07-12	2019-07-12
2019-07-13	2019-07-13
2019-07-14	2019-07-14
2019-07-15	2019-07-15
2019-07-16	2019-07-16
2019-07-18	2019-07-18
2019-07-20	2019-07-20

2019-07-21	2019-07-21
2019-07-22	2019-07-22
2019-07-24	2019-07-24
2019-07-27	2019-07-27
2019-07-28	2019-07-28
2019-08-01	2019-08-01
2019-08-04	2019-08-04
2019-08-05	2019-08-05
2019-08-06	2019-08-06
2019-08-07	2019-08-07
2019-08-08	2019-08-08
2019-08-09	2019-08-09
2019-08-10	2019-08-10
2019-08-12	2019-08-12
2019-08-13	2019-08-13
2019-08-14	2019-08-14
2019-08-15	2019-08-15
2019-08-16	2019-08-16
2019-08-19	2019-08-19
2019-08-20	2019-08-20
2019-08-23	2019-08-23
2019-08-25	2019-08-25
2019-08-26	2019-08-26
2019-08-28	2019-08-28
2019-08-30	2019-08-30
2019-09-02	2019-09-02
2019-09-03	2019-09-03
2019-09-08	2019-09-08
2019-09-10	2019-09-10
2019-09-13	2019-09-13
2019-09-14	2019-09-14
2019-09-15	2019-09-15
2019-09-18	2019-09-18
2019-09-20	2019-09-20
2019-09-25	2019-09-25
2019-09-30	2019-09-30
2019-10-03	2019-10-03
2019-10-06	2019-10-06
2019-10-16	2019-10-16

**Q229CD: Q229C d. Dosage (in KG/HECT or LITER/HECT)****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 13.5 - 15000 Format: Numeric

**Q229CE: Q229C e. Unit of quantity****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
KG/HECT	KG/HECT
LITER/HECT	LITER/HECT

**Q229CF: Q229C f. Amount of H2O solved in LITERS per HECT****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 696 Format: Numeric

**Q229CG: Q229C g. Percentage N (in %)****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 64.4 Format: Numeric

**Q229CH: Q229C h. Percentage P (P2O5) (in %)****Data file: fertilizers**

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 64 Format: Numeric

**Q229CI: Q229C i. Percentage K (K2O) (in %)****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 60 Format: Numeric

**Q229CJ: Q229C j. Equipment type****Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
Airblast sprayer	Airblast sprayer
Granular applicator	Granular applicator
Hand operated sprayers (e.g. knapsack),	Hand operated sprayers (e.g. knapsack),
Motorized boom sprayer	Motorized boom sprayer
Other	Other

**HARVESTYEAR: Data collection wave****Data file:** seed\_treatment**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 2015 - 2019    Format: Numeric

**GROWINGAREA: To which field/plot does the information relate to?****Data file:** seed\_treatment**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
A	A
B	B

**CLUSTERID: Unique cluster ID****Data file:** seed\_treatment**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
ChinaMaize3+4+5	ChinaMaize3+4+5
ChinaMaize4	ChinaMaize4
ChinaMaize5	ChinaMaize5
ChinaMaize6	ChinaMaize6
ChinaMaize6+7	ChinaMaize6+7
ChinaMaize7	ChinaMaize7
ChinaPotato1+2	ChinaPotato1+2
ChinaPotato3	ChinaPotato3
ChinaRice1early	ChinaRice1early



ChinaRice1late	ChinaRice1late
ChinaRice2late	ChinaRice2late
ChinaRice3+4+5	ChinaRice3+4+5
ChinaRice5	ChinaRice5

## COUNTRY: Country

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
China	China

## FARMTYPE: FARMTYPE

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
BF	BF
RF	RF

## GROWERID: Unique respondent ID

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
710180	710180
710200	710200
710400	710400
710430	710430
710440	710440
710450	710450
710870	710870
710920	710920
710950	710950
710960	710960
710970	710970
710980	710980
711010	711010
711020	711020
711070	711070
711180	711180
711190	711190
711200	711200
711220	711220
711230	711230
711240	711240
711320	711320
711330	711330
711360	711360
711390	711390
711410	711410
711530	711530
711540	711540
711550	711550
711560	711560
711570	711570
711580	711580
711590	711590
711600	711600
711610	711610

711620	711620
711630	711630
711640	711640
712052	712052
712072	712072
712092	712092
712112	712112
712122	712122
712232	712232
713252	713252
713732	713732
713742	713742
713752	713752
713762	713762
713782	713782
713783	713783
713784	713784
714061	714061
714062	714062
715322	715322
715332	715332
716110	716110
716120	716120
716130	716130
716140	716140
716150	716150
716160	716160
716170	716170
716180	716180
716190	716190
716200	716200
716210	716210
716220	716220
716230	716230
717010	717010
717030	717030
717050	717050
717070	717070
717090	717090

717110	717110
717120	717120
717130	717130
717150	717150
717170	717170
717190	717190
717210	717210
718010	718010
718020	718020
718030	718030
718050	718050
718060	718060
718070	718070
718080	718080
718090	718090
718100	718100
718110	718110
718120	718120
718130	718130
718140	718140
718150	718150
718160	718160
718170	718170
718180	718180
718190	718190
718200	718200
719100	719100
719110	719110
719120	719120
719130	719130
719140	719140
719150	719150
719160	719160
719170	719170
719180	719180
719190	719190
719200	719200
719210	719210
720010	720010

720020	720020
720030	720030
720050	720050
720070	720070
720080	720080
720090	720090
720100	720100
720110	720110
720120	720120
720130	720130
720140	720140
720150	720150
720240	720240
720270	720270
720280	720280
720320	720320
720330	720330
720340	720340
720360	720360
720380	720380
720390	720390
720470	720470
720480	720480
720490	720490
720510	720510
720520	720520
720530	720530
720540	720540
720550	720550
720560	720560
720570	720570
720580	720580
720590	720590
720810	720810
721130	721130
721140	721140
721220	721220
721240	721240
721270	721270

721300	721300
721310	721310
721320	721320
721330	721330
721360	721360
721420	721420
721430	721430
721440	721440
721460	721460
721520	721520
721650	721650
721660	721660
721670	721670
721690	721690
721700	721700
721710	721710
721720	721720
721730	721730
721740	721740
721750	721750
721760	721760
721990	721990
722012	722012
722022	722022
722032	722032
722042	722042
722052	722052
722062	722062
722072	722072
722082	722082
722092	722092
722102	722102
722132	722132
722142	722142
722152	722152
722172	722172
722182	722182
722192	722192
722202	722202

722212	722212
722222	722222
723762	723762
723772	723772
723782	723782
723792	723792
723802	723802
723812	723812
723822	723822
723832	723832
723842	723842
723852	723852
723862	723862
723872	723872
723882	723882
723892	723892
723902	723902
723912	723912
724062	724062
724132	724132
724142	724142
724172	724172
724222	724222
724522	724522
724552	724552
724582	724582
724612	724612
725142	725142
726010	726010
726020	726020
726030	726030
726040	726040
726050	726050
726060	726060
726070	726070
726080	726080
726090	726090
726100	726100
726110	726110

726120	726120
726130	726130
726140	726140
726150	726150
726160	726160
726170	726170
726180	726180
726190	726190
727020	727020
727040	727040
727080	727080
727100	727100
727110	727110
727140	727140
727160	727160
727180	727180
727200	727200
727210	727210
727240	727240
727260	727260
727270	727270
727280	727280
727290	727290
728010	728010
728020	728020
728050	728050
728060	728060
728090	728090
728100	728100
728110	728110
728120	728120
728150	728150
728160	728160
728170	728170
728180	728180
728190	728190
728200	728200
728210	728210
728220	728220



728230	728230
729010	729010
729020	729020
729100	729100
729130	729130
729140	729140
729150	729150
729160	729160
729170	729170
729200	729200
729210	729210
729220	729220
729230	729230
729240	729240
729250	729250
729260	729260
729270	729270
729280	729280
729290	729290
729300	729300
729310	729310
729320	729320
729330	729330
729340	729340
729350	729350
729360	729360
729370	729370
729380	729380

## **PRODUCT: Unique code of a product that was applied**

**Data file:** seed\_treatment

### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

### **Questions and instructions**

CATEGORIES

Value	Category
1	1
2	2
3	3
4	4
5	5

## CROP: The crop of focus

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
Corn	Corn
Potato	Potato
Rice	Rice

## Q73: What is the amount of seeds in that has been sown per ?

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 7.5 - 3000 Format: Numeric

## Q233C\_A: Q233C. a. Timing of product application

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
-------	----------

2015-05-02	2015-05-02
2015-05-03	2015-05-03
2015-05-04	2015-05-04
2015-05-08	2015-05-08
2015-05-09	2015-05-09
2015-05-10	2015-05-10
2015-05-11	2015-05-11
2015-05-13	2015-05-13
2015-05-14	2015-05-14
2015-06-07	2015-06-07
2016-04-21	2016-04-21
2016-04-25	2016-04-25
2016-04-26	2016-04-26
2016-04-27	2016-04-27
2016-04-28	2016-04-28
2016-04-29	2016-04-29
2016-04-30	2016-04-30
2016-05-01	2016-05-01
2016-05-02	2016-05-02
2016-05-03	2016-05-03
2016-05-04	2016-05-04
2016-05-05	2016-05-05
2016-05-06	2016-05-06
2016-05-10	2016-05-10
2016-05-12	2016-05-12
2016-05-13	2016-05-13
2016-05-16	2016-05-16
2016-05-20	2016-05-20
2016-05-25	2016-05-25
2016-05-26	2016-05-26
2016-05-28	2016-05-28
2016-06-01	2016-06-01
2016-06-05	2016-06-05
2016-06-10	2016-06-10
2016-06-11	2016-06-11
2016-06-12	2016-06-12
2016-06-15	2016-06-15
2016-06-20	2016-06-20
2016-06-23	2016-06-23

2016-06-25	2016-06-25
2016-07-01	2016-07-01
2016-07-05	2016-07-05
2016-07-06	2016-07-06
2016-08-05	2016-08-05
2017-01-01	2017-01-01
2017-03-22	2017-03-22
2017-04-20	2017-04-20
2017-04-21	2017-04-21
2017-04-25	2017-04-25
2017-04-26	2017-04-26
2017-04-27	2017-04-27
2017-04-28	2017-04-28
2017-04-29	2017-04-29
2017-04-30	2017-04-30
2017-05-01	2017-05-01
2017-05-02	2017-05-02
2017-05-05	2017-05-05
2017-05-10	2017-05-10
2017-05-30	2017-05-30
2017-06-01	2017-06-01
2017-06-02	2017-06-02
2017-06-03	2017-06-03
2017-06-04	2017-06-04
2017-06-05	2017-06-05
2017-06-06	2017-06-06
2017-06-07	2017-06-07
2017-06-08	2017-06-08
2017-06-09	2017-06-09
2017-06-10	2017-06-10
2017-06-11	2017-06-11
2017-06-12	2017-06-12
2017-06-13	2017-06-13
2017-06-15	2017-06-15
2017-06-16	2017-06-16
2017-06-17	2017-06-17
2017-06-20	2017-06-20
2018-01-01	2018-01-01
2018-02-16	2018-02-16

2018-03-14	2018-03-14
2018-03-15	2018-03-15
2018-03-16	2018-03-16
2018-04-03	2018-04-03
2018-04-09	2018-04-09
2018-04-15	2018-04-15
2018-04-20	2018-04-20
2018-04-24	2018-04-24
2018-04-27	2018-04-27
2018-04-28	2018-04-28
2018-05-01	2018-05-01
2018-05-02	2018-05-02
2018-05-03	2018-05-03
2018-05-05	2018-05-05
2018-05-10	2018-05-10
2018-05-20	2018-05-20
2018-06-01	2018-06-01
2018-06-04	2018-06-04
2018-06-06	2018-06-06
2018-06-07	2018-06-07
2018-06-08	2018-06-08
2018-06-09	2018-06-09
2018-06-10	2018-06-10
2018-06-11	2018-06-11
2018-06-12	2018-06-12
2018-06-15	2018-06-15
2019-01-01	2019-01-01
2019-04-10	2019-04-10
2019-04-20	2019-04-20
2019-04-24	2019-04-24
2019-04-25	2019-04-25
2019-04-26	2019-04-26
2019-04-27	2019-04-27
2019-04-28	2019-04-28
2019-04-29	2019-04-29
2019-04-30	2019-04-30
2019-05-01	2019-05-01
2019-05-02	2019-05-02
2019-05-03	2019-05-03

2019-05-05	2019-05-05
2019-05-10	2019-05-10
2019-05-12	2019-05-12
2019-05-13	2019-05-13
2019-05-15	2019-05-15
2019-05-16	2019-05-16
2019-05-20	2019-05-20
2019-05-25	2019-05-25
2019-05-28	2019-05-28
2019-05-30	2019-05-30
2019-06-02	2019-06-02
2019-06-03	2019-06-03
2019-06-05	2019-06-05
2019-06-06	2019-06-06
2019-06-08	2019-06-08
2019-06-10	2019-06-10
2019-06-12	2019-06-12
2019-06-15	2019-06-15

## Q233C\_B: Q233C. b.Type of product

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
1	Fungicide
2	Insecticide
3	Plant growth regulator/harvest aids/adjuvants
4	Herbicide

## Q233C\_C: Q233C. c. Brand product name

Data file: seed\_treatment

## Overview

Valid: 0    Invalid: 0  
 Type: Discrete    Width: 12    Range: -    Format: character

## Questions and instructions

### CATEGORIES

Value	Category
confidential	confidential

## Q233C\_C2: Q233C. c2. Brand product formulation

Data file: seed\_treatment

## Overview

Valid: 0    Invalid: 0  
 Type: Discrete    Width: 12    Range: -    Format: character

## Questions and instructions

### CATEGORIES

Value	Category
confidential	confidential

## C233C\_C: CODED VARIABLE - stringcode

Data file: seed\_treatment

## Overview

Valid: 0    Invalid: 0  
 Type: Discrete    Width: 12    Range: -    Format: character

## Questions and instructions

### CATEGORIES

Value	Category
confidential	confidential

## C233CA1: CODED VARIABLE - active ingredient1

Data file: seed\_treatment

## Overview

Valid: 0    Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
2,4-D BUTYL ESTER	2,4-D BUTYL ESTER
ATRAZINE	ATRAZINE
AZOXYSTROBIN	AZOXYSTROBIN
BACILLUS THURINGIENSIS	BACILLUS THURINGIENSIS
CHLORANTRANILIPROLE	CHLORANTRANILIPROLE
DIFENOCONAZOLE	DIFENOCONAZOLE
Do not know	Do not know
EMAMECTIN BENZOATE	EMAMECTIN BENZOATE
FIPRONIL	FIPRONIL
FLUDIOXONIL	FLUDIOXONIL
FLUROXYPYR	FLUROXYPYR
GLYPHOSATE	GLYPHOSATE
HEXACONAZOLE	HEXACONAZOLE
HUMIC ACID	HUMIC ACID
IMIDACLOPRID	IMIDACLOPRID
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
MANCOZEB (VONDOZEB)	MANCOZEB (VONDOZEB)
MESOTRIONE	MESOTRIONE
METALAXIL	METALAXIL
METALAXIL-M	METALAXIL-M
NIKOSULPHURON	NIKOSULPHURON
NITROGEN	NITROGEN
PARAQUAT	PARAQUAT
S-METOLACHLORE	S-METOLACHLORE
STREPTOMYCIN SULFATE	STREPTOMYCIN SULFATE
TEBUCONAZOLE	TEBUCONAZOLE
THIAMETHOXAM	THIAMETHOXAM
THIOPHANATE-METYL	THIOPHANATE-METYL

**C233CP1: CODED VARIABLE - amount of ai1****Data file: seed\_treatment**



## Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 6 - 960 Format: Numeric

### C233CU1: CODED VARIABLE - unit (% or Gr)

Data file: seed\_treatment

## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
%	%
g/l	g/l

### C233CA2: CODED VARIABLE - active ingredient2

Data file: seed\_treatment

## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
ATRAZINE	ATRAZINE
CHLOROTHALONIL	CHLOROTHALONIL
CYANTRANILIPROLE	CYANTRANILIPROLE
DIFENOCONAZOLE	DIFENOCONAZOLE
Do not know	Do not know
FLUDIOXONIL	FLUDIOXONIL
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
METALAXIL-M	METALAXIL-M
PHOSPHOR	PHOSPHOR
PROPICONAZOLE	PROPICONAZOLE
THIAMETHOXAM	THIAMETHOXAM
TRIBUNERONE-METHYL	TRIBUNERONE-METHYL

**C233CP2: CODED VARIABLE - amount of ai2****Data file:** seed\_treatment**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1.55 - 480 Format: Numeric

**C233CA3: CODED VARIABLE - active ingredient3****Data file:** seed\_treatment**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
FLUDIOXONIL	FLUDIOXONIL
METALAXIL	METALAXIL
POTASSIUM	POTASSIUM

**C233CP3: CODED VARIABLE - amount of ai3****Data file:** seed\_treatment**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2.6 - 100 Format: Numeric

**Q233C\_D: Q233C. d. PRODUCT 1: Dosage****Data file:** seed\_treatment**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 33 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-------	----------

1	100
2	120
3	48
4	1
5	70
6	180
7	4
8	60
9	300
10	150
11	15
12	0.2
13	750
14	225
15	765
16	600
17	3000
18	1500
19	75
20	1800
21	90
22	525
23	4500
24	375
25	450
26	2400
27	1050
28	900
29	1350
30	2250
31	2100
32	33.6
33	1125

### Q233C\_E: Q233C. e. PRODUCT 1: Unit of quantity

Data file: seed\_treatment

#### Overview

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

## Questions and instructions

### CATEGORIES

Value	Category
G/KG	G/KG
GRAM/HECT	GRAM/HECT
MILLILITER/HECT	MILLILITER/HECT
ML/KG	ML/KG

### Q233C\_F: Q233C. f. PRODUCT 1: Amount of H2O solved in LITERS per

Data file: seed\_treatment

#### Overview

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 0.015 - 7500    Format: Numeric

### Q233C\_G: Q233C. g. PRODUCT 1: Pest/disease/ weed targeted

Data file: seed\_treatment

#### Overview

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

## Questions and instructions

### CATEGORIES

Value	Category
-1	-1
Anti-lodging	Anti-lodging
Aphid	Aphid
Aphid, powdery mildew	Aphid, powdery mildew
Aphids	Aphids
Borer	Borer
Borer,insects below land	Borer,insects below land
Borers,Sterilization	Borers,Sterilization
Broadleaf weed	Broadleaf weed
Budworm, cutworm	Budworm, cutworm
Budworm, helicoverpa armigera	Budworm, helicoverpa armigera

Budworm, insects below land, helicoverpa armigera	Budworm, insects below land, helicoverpa armigera
Caterpillar	Caterpillar
Closed weeding	Closed weeding
Controlling diseases	Controlling diseases
Controlling pests	Controlling pests
Conyza canadens	Conyza canadens
Cotton Bollworm	Cotton Bollworm
Cotton bollworm, cutworm	Cotton bollworm, cutworm
Cutworm	Cutworm
Cutworm ,insects below land	Cutworm ,insects below land
Cutworm, aphid	Cutworm, aphid
Cutworm. ect.	Cutworm. ect.
Cutworms	Cutworms
Cutworms Etc.	Cutworms Etc.
Cutworms,Underground Worms	Cutworms,Underground Worms
Cutwormsunderground Worms	Cutwormsunderground Worms
Cutworm, grub	Cutworm, grub
DK	DK
Disease	Disease
Diseases	Diseases
Dog tail grass	Dog tail grass
Don't know / no answer	Don't know / no answer
Fungus	Fungus
Germes	Germes
Growth regulation	Growth regulation
Helicoverpa armigera	Helicoverpa armigera
Help crop growth	Help crop growth
Help seeding growth	Help seeding growth
Increase drought resistance	Increase drought resistance
Increase drought resistance and seedling rate	Increase drought resistance and seedling rate
Increase drought resistanceHelp crop growth	Increase drought resistanceHelp crop growth
Increase production and control disease	Increase production and control disease
Insects	Insects
Insects below land	Insects below land
Insects below land, borer	Insects below land, borer
Insects below land,borer	Insects below land,borer
Kill seedlings	Kill seedlings
Maize Rough Dwarf Disease	Maize Rough Dwarf Disease
None	None

Oriental armyworm	Oriental armyworm
Oriental armyworm and other insects	Oriental armyworm and other insects
Pest	Pest
PestDisease	PestDisease
Pests	Pests
Pests,Disease-Resistant	Pests,Disease-Resistant
Pests:Cutworms	Pests:Cutworms
Potato black scurf,scab	Potato black scurf,scab
Powdery Mildew ,Cutworms,Borers	Powdery Mildew ,Cutworms,Borers
Prevent Cutworms,Borers,Powdery Mildew	Prevent Cutworms,Borers,Powdery Mildew
Prevent Maize Rough Dwarf Disease,Pests	Prevent Maize Rough Dwarf Disease,Pests
Rice Planthopper, Etc.	Rice Planthopper, Etc.
Rice Planthopper,Rotten Seedlings, Etc.	Rice Planthopper,Rotten Seedlings, Etc.
Rice Planthopper?Rotten Seedlings, Etc.	Rice Planthopper?Rotten Seedlings, Etc.
Root Rot, Planthopper	Root Rot, Planthopper
Root rot,Stalk Rot	Root rot,Stalk Rot
Rust disease	Rust disease
Rust diseases	Rust diseases
Seed decay	Seed decay
Seedling Diseases, Etc.	Seedling Diseases, Etc.
Sterilization	Sterilization
Sterilization, rust prevention	Sterilization, rust prevention
Sterilization,Borers	Sterilization,Borers
Sterilization,Corn Rust	Sterilization,Corn Rust
Sterilization,Pests,Disease-Resistant	Sterilization,Pests,Disease-Resistant
Sterilization?blight prevention	Sterilization?blight prevention
Sterilizationcorn Rust	Sterilizationcorn Rust
Strong Seedling Cultivation?Rice Planthopper, Etc.	Strong Seedling Cultivation?Rice Planthopper, Etc.
Strong Seedlings Cultivation, Prevention Of Rice Planthopper, Etc.	Strong Seedlings Cultivation, Prevention Of Rice Planthopper, Etc.
Strong seedlings, drought prevention	Strong seedlings, drought prevention
Thrips Oryzae Williams,White-Backed Planthopper, Etc.	Thrips Oryzae Williams,White-Backed Planthopper, Etc.
Thrips Oryzae Williams?White-Backed Planthopper, Etc.	Thrips Oryzae Williams?White-Backed Planthopper, Etc.
Tortrix	Tortrix
Underground Worms,Cutworms Etc.	Underground Worms,Cutworms Etc.
Underground insects	Underground insects
Underground worms	Underground worms
Underground worms, cotton bollworms	Underground worms, cotton bollworms
Weed	Weed

Weeds	Weeds
Weeds in wheat field	Weeds in wheat field
Weeds, wheat seedlings	Weeds, wheat seedlings
Weeds, young weeds	Weeds, young weeds
Weedsdog tail grass	Weedsdog tail grass
Zacao	Zacao
aphis, Thripidae, corn sheath blight	aphis, Thripidae, corn sheath blight
aphis, underground insects	aphis, underground insects
bakanae disease	bakanae disease
borers	borers
brown paddy plant hoppers □injurious/destructive insects	brown paddy plant hoppers □injurious/destructive insects
caterpillars	caterpillars
caterpillars □Underground insects	caterpillars □Underground insects
caterpillars □cutworms	caterpillars □cutworms
caterpillars, Underground insects	caterpillars, Underground insects
cutworms	cutworms
cutworms □caterpillars	cutworms □caterpillars
cutworms, mole cricket	cutworms, mole cricket
diseases	diseases
grubs	grubs
increase the yield	increase the yield
injurious/destructive insects	injurious/destructive insects
injurious/destructive insects □brown paddy plant hoppers	injurious/destructive insects □brown paddy plant hoppers
kill insects	kill insects
lodging-resistant	lodging-resistant
moth	moth
pest	pest
pest,underground pest	pest,underground pest
resist lodging	resist lodging
rice planthoppers,rice thrips	rice planthoppers,rice thrips
rice planthoppers,sheath blight,borer	rice planthoppers,sheath blight,borer
rice planthoppers,sheath blight,rice thrips,borer	rice planthoppers,sheath blight,rice thrips,borer
rust disease	rust disease
sheath blight	sheath blight
sterilization	sterilization
underground pest	underground pest
weed	weed
wireworm,grub	wireworm,grub
□□	□□

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## SYNGENTA: CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
1	Yes
2	No



**HARVESTYEAR: Data collection wave****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2014 - 2019 Format: Numeric

**REGION: Syngenta's definition of Region****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
apac	apac

**TERRITORY: Syngenta's definition of Territory****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
china	china

**GROWINGAREA: To which field/plot does the information relate to?****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
A	A
B	B

### CLUSTERID: Unique cluster ID

Data file: Farm\_level\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
chinamaize1	chinamaize1
chinamaize1+2	chinamaize1+2
chinamaize2	chinamaize2
chinamaize3	chinamaize3
chinamaize3+4+5	chinamaize3+4+5
chinamaize4	chinamaize4
chinamaize5	chinamaize5
chinamaize6	chinamaize6
chinamaize6+7	chinamaize6+7
chinamaize7	chinamaize7
chinapotato1	chinapotato1
chinapotato1+2	chinapotato1+2
chinapotato2	chinapotato2
chinapotato3	chinapotato3
chinarice1early	chinarice1early
chinarice1late	chinarice1late
chinarice2early	chinarice2early
chinarice2late	chinarice2late
chinarice3	chinarice3
chinarice3+4+5	chinarice3+4+5
chinarice4	chinarice4

chinarice5

chinarice5

**COUNTRY: Country****Data file: Farm\_level\_data****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
China	China

**FARMTYPE: Farm type****Data file: Farm\_level\_data****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
bf	bf
rf	rf

**GROWERID: Unique respondent ID****Data file: Farm\_level\_data****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
710160	710160

710170	710170
710180	710180
710190	710190
710200	710200
710210	710210
710230	710230
710370	710370
710400	710400
710410	710410
710420	710420
710430	710430
710440	710440
710450	710450
710850	710850
710870	710870
710880	710880
710890	710890
710900	710900
710910	710910
710920	710920
710930	710930
710940	710940
710950	710950
710960	710960
710970	710970
710980	710980
710990	710990
711000	711000
711010	711010
711020	711020
711030	711030
711070	711070
711180	711180
711190	711190
711200	711200
711220	711220
711230	711230
711240	711240
711320	711320

711330	711330
711340	711340
711350	711350
711360	711360
711370	711370
711380	711380
711390	711390
711400	711400
711410	711410
711420	711420
711430	711430
711440	711440
711450	711450
711530	711530
711540	711540
711550	711550
711560	711560
711570	711570
711580	711580
711590	711590
711600	711600
711610	711610
711620	711620
711630	711630
711640	711640
712052	712052
712072	712072
712092	712092
712112	712112
712122	712122
712232	712232
713252	713252
713262	713262
713512	713512
713732	713732
713742	713742
713752	713752
713762	713762
713772	713772

713782	713782
713783	713783
713784	713784
714011	714011
714012	714012
714021	714021
714022	714022
714031	714031
714032	714032
714041	714041
714042	714042
714051	714051
714052	714052
714061	714061
714062	714062
714071	714071
714072	714072
714081	714081
714082	714082
714091	714091
714092	714092
714101	714101
714102	714102
714502	714502
715191	715191
715192	715192
715261	715261
715262	715262
715281	715281
715282	715282
715291	715291
715292	715292
715301	715301
715302	715302
715311	715311
715312	715312
715321	715321
715322	715322
715331	715331

715332	715332
715341	715341
715342	715342
715352	715352
715362	715362
715392	715392
715402	715402
716110	716110
716120	716120
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716140	716140
716150	716150
716160	716160
716170	716170
716180	716180
716190	716190
716200	716200
716210	716210
716220	716220
716230	716230
717010	717010
717030	717030
717050	717050
717070	717070
717090	717090
717110	717110
717120	717120
717130	717130
717150	717150
717170	717170
717190	717190
717210	717210
718010	718010
718020	718020
718030	718030
718040	718040
718050	718050
718060	718060
718070	718070

718080	718080
718090	718090
718100	718100
718110	718110
718120	718120
718130	718130
718140	718140
718150	718150
718160	718160
718170	718170
718180	718180
718190	718190
718200	718200
719100	719100
719110	719110
719120	719120
719130	719130
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719150	719150
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719170	719170
719180	719180
719190	719190
719200	719200
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720010	720010
720020	720020
720030	720030
720040	720040
720050	720050
720060	720060
720070	720070
720080	720080
720090	720090
720100	720100
720110	720110
720120	720120
720130	720130
720140	720140



720150	720150
720240	720240
720250	720250
720260	720260
720270	720270
720280	720280
720290	720290
720300	720300
720310	720310
720320	720320
720330	720330
720340	720340
720350	720350
720360	720360
720380	720380
720390	720390
720460	720460
720470	720470
720480	720480
720490	720490
720500	720500
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720530	720530
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720570	720570
720580	720580
720590	720590
720600	720600
720610	720610
720700	720700
720710	720710
720720	720720
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720780	720780
720790	720790
720800	720800
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720960	720960
720970	720970
720980	720980
720990	720990
721000	721000
721010	721010
721020	721020
721030	721030
721040	721040
721050	721050
721070	721070
721080	721080
721090	721090
721100	721100
721110	721110
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721150	721150
721160	721160
721170	721170
721200	721200
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721220	721220
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721260	721260
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721970	721970
721980	721980
721990	721990

722012	722012
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722032	722032
722042	722042
722052	722052
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723052	723052
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723652	723652
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723672	723672
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723692	723692
723702	723702
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723802	723802
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724562	724562
724572	724572
724582	724582
724592	724592
724602	724602
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725022	725022
725061	725061
725062	725062
725071	725071
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725082	725082
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725092	725092
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725172	725172
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725182	725182
725201	725201
725202	725202
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725232	725232
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725302	725302
725312	725312
725322	725322
725332	725332
725342	725342
725352	725352
725362	725362
725372	725372
725382	725382



725412	725412
726010	726010
726020	726020
726030	726030
726040	726040
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726070	726070
726080	726080
726090	726090
726100	726100
726110	726110
726120	726120
726130	726130
726140	726140
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726170	726170
726180	726180
726190	726190
727020	727020
727040	727040
727060	727060
727080	727080
727100	727100
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727160	727160
727180	727180
727200	727200
727210	727210
727240	727240
727260	727260
727270	727270
727280	727280
727290	727290
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728030	728030

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728090	728090
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728120	728120
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728190	728190
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728220	728220
728230	728230
729010	729010
729020	729020
729030	729030
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729080	729080
729100	729100
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729180	729180
729190	729190
729200	729200
729210	729210
729220	729220
729230	729230
729240	729240
729250	729250
729260	729260
729270	729270

729280	729280
729290	729290
729300	729300
729310	729310
729320	729320
729330	729330
729340	729340
729350	729350
729360	729360
729370	729370
729380	729380

## CROP: The crop of focus

Data file: Farm\_level\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
corn	corn
potato	potato
rice	rice

## AREASIZE: Q57. Size of growing area A for in

Data file: Farm\_level\_data

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.0333333333333333 - 1666.6666675 Format: Numeric

## CROPSIZE: Q5.Total cultivated area of in this season in

Data file: Farm\_level\_data

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.0666666666666667 - 2041.2666676873 Format: Numeric

**FARMSIZE: Q6. Total size of your farm/cultivated area for all crops in****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.0666666666666667 - 2041.2666676873 Format: Numeric

**LANDPRODUCTIVITY: Land efficiency in ton/ha****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3 - 45 Format: Numeric

**PESTICIDEAPPLICATIONEFFICIENCY: Number of field applications used per ton produced****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1.06666666666667 Format: Numeric

**NUTRIENTEFFICIENCY: Kgs of nitrogen used per ton produced****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 139.6 Format: Numeric

**PHOSPHORUSEFFICIENCY: Kgs of phosphorus used per ton produced****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 93.75 Format: Numeric

**POTASSIUMEFFICIENCY: Kgs of potassium used per ton produced****Data file:** Farm\_level\_data

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 80 Format: Numeric

**SEEEFFICIENCY: Kgs of seeds used per ton produced****Data file: Farm\_level\_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.666666666666667 - 625 Format: Numeric

**PESTICIDEEFFICIENCY: Kgs of active ingredients from pesticides used in kilogram per ton produced****Data file: Farm\_level\_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 2.38571428571429 Format: Numeric

**HERBICIDEEFFICIENCY: Kgs of active ingredients from herbicides used per ton produced****Data file: Farm\_level\_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.951428571428571 Format: Numeric

**FUNGICIDEEFFICIENCY: Kgs of active ingredients from fungicides used per ton produced****Data file: Farm\_level\_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1.28 Format: Numeric

**INSECTICIDEEFFICIENCY: Kgs of active ingredients from insecticides used per ton produced****Data file: Farm\_level\_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 2.38571428571429 Format: Numeric

**IRRIGATIONWATEREFFICIENCY: Litres of irrigation water used per ton produced****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 3130434.7826087 Format: Numeric

**LABOREFFICIENCY: Amount of labor hours per unit of crop output produced****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.128819444380035 - 687.179487179487 Format: Numeric

**MACHINERYEFFICIENCY: Amount of machinery used in hours per unit of crop output produced****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.0554166666389583 - 205.128205128205 Format: Numeric

**SYNGENTASHARE: Percentage of syngenta products used compared to total number of products used****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 100 Format: Numeric

**USER\_VS\_NON\_USER: Does the grower use Syngenta products?****Data file:** Farm\_level\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	non-user

2	exclusive user
3	mixed user

## ■ **PROTOCOL: have received a crop program and/or any recommendations this season?**

**Data file:** Farm\_level\_data

### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 3    Format: Numeric

### **Questions and instructions**

#### CATEGORIES

Value	Category
1	Did not receive any crop program
2	Received a complete crop program
3	Received recommendations but not a complete program

## ■ **FIELD\_PREPARATION: Date of first field preparation**

**Data file:** Farm\_level\_data

### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

### **Questions and instructions**

#### CATEGORIES

Value	Category
2014-02-10	2014-02-10
2014-02-12	2014-02-12
2014-02-14	2014-02-14
2014-02-15	2014-02-15
2014-02-18	2014-02-18
2014-02-20	2014-02-20
2014-02-25	2014-02-25
2014-02-28	2014-02-28
2014-03-01	2014-03-01
2014-03-02	2014-03-02
2014-03-03	2014-03-03

2014-03-04	2014-03-04
2014-03-05	2014-03-05
2014-03-07	2014-03-07
2014-03-10	2014-03-10
2014-03-12	2014-03-12
2014-03-13	2014-03-13
2014-03-14	2014-03-14
2014-03-15	2014-03-15
2014-03-17	2014-03-17
2014-03-19	2014-03-19
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2014-03-21	2014-03-21
2014-03-25	2014-03-25
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2014-04-15	2014-04-15
2014-04-18	2014-04-18
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2014-04-22	2014-04-22
2014-04-23	2014-04-23
2014-04-24	2014-04-24
2014-04-25	2014-04-25
2014-04-26	2014-04-26
2014-04-27	2014-04-27
2014-04-28	2014-04-28
2014-04-29	2014-04-29
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02
2014-05-03	2014-05-03
2014-05-04	2014-05-04
2014-05-05	2014-05-05



2014-05-06	2014-05-06
2014-05-08	2014-05-08
2014-05-09	2014-05-09
2014-05-10	2014-05-10
2014-05-15	2014-05-15
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2016-02-06	2016-02-06

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2016-05-28	2016-05-28
2016-05-30	2016-05-30
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2016-06-05	2016-06-05
2016-06-06	2016-06-06
2016-06-07	2016-06-07

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2016-06-11	2016-06-11
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2017-03-18	2017-03-18
2017-03-19	2017-03-19
2017-03-20	2017-03-20
2017-03-28	2017-03-28
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2018-04-22	2018-04-22
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2018-04-25	2018-04-25
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2018-12-07	2018-12-07
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2019-01-05	2019-01-05
2019-01-12	2019-01-12
2019-01-20	2019-01-20
2019-01-30	2019-01-30

2019-02-05	2019-02-05
2019-02-06	2019-02-06
2019-02-10	2019-02-10
2019-02-20	2019-02-20
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2019-04-03	2019-04-03
2019-04-10	2019-04-10
2019-04-11	2019-04-11
2019-04-12	2019-04-12
2019-04-15	2019-04-15
2019-04-18	2019-04-18
2019-04-19	2019-04-19
2019-04-20	2019-04-20
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2019-08-05	2019-08-05
2019-08-06	2019-08-06
2019-08-09	2019-08-09
2019-08-10	2019-08-10

## PLANTING\_DATE: Date of sowing or planting

Data file: Farm\_level\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

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2019-08-10	2019-08-10

## **HARVEST\_BEGIN: Date when harvest started**

**Data file:** Farm\_level\_data

### **Overview**

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Type: Discrete    Width: 12    Range: -    Format: character

### **Questions and instructions**

#### CATEGORIES

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## HARVEST\_END: Date when harvest ended

Data file: Farm\_level\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

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2019-09-24	2019-09-24
2019-09-25	2019-09-25
2019-09-27	2019-09-27
2019-09-30	2019-09-30
2019-10-02	2019-10-02
2019-10-03	2019-10-03
2019-10-04	2019-10-04
2019-10-05	2019-10-05
2019-10-06	2019-10-06
2019-10-07	2019-10-07
2019-10-08	2019-10-08
2019-10-09	2019-10-09
2019-10-10	2019-10-10
2019-10-11	2019-10-11
2019-10-12	2019-10-12
2019-10-13	2019-10-13
2019-10-15	2019-10-15
2019-10-16	2019-10-16
2019-10-17	2019-10-17
2019-10-18	2019-10-18
2019-10-19	2019-10-19
2019-10-20	2019-10-20
2019-10-21	2019-10-21
2019-10-22	2019-10-22
2019-10-23	2019-10-23
2019-10-24	2019-10-24
2019-10-25	2019-10-25
2019-10-26	2019-10-26
2019-10-27	2019-10-27
2019-10-29	2019-10-29
2019-10-30	2019-10-30
2019-11-01	2019-11-01

2019-11-02	2019-11-02
2019-11-03	2019-11-03
2019-11-04	2019-11-04
2019-11-05	2019-11-05
2019-11-06	2019-11-06
2019-11-08	2019-11-08
2019-11-09	2019-11-09
2019-11-10	2019-11-10
2019-11-11	2019-11-11
2019-11-12	2019-11-12
2019-11-13	2019-11-13
2019-11-14	2019-11-14
2019-11-15	2019-11-15
2019-11-16	2019-11-16
2019-11-20	2019-11-20
2019-11-21	2019-11-21
2019-11-26	2019-11-26
2019-11-28	2019-11-28

**TERRITORY: Syngenta definition of territory (sub-region)****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
china	china

**COUNTRY: Country****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
China	China

**CLUSTERID: Unique cluster ID****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
chinamaize1	chinamaize1
chinamaize1+2	chinamaize1+2
chinamaize2	chinamaize2
chinamaize3	chinamaize3
chinamaize3+4+5	chinamaize3+4+5

chinamaize4	chinamaize4
chinamaize5	chinamaize5
chinamaize6	chinamaize6
chinamaize6+7	chinamaize6+7
chinamaize7	chinamaize7
chinapotato1	chinapotato1
chinapotato1+2	chinapotato1+2
chinapotato2	chinapotato2
chinapotato3	chinapotato3
chinarice1early	chinarice1early
chinarice1late	chinarice1late
chinarice2early	chinarice2early
chinarice2late	chinarice2late
chinarice3	chinarice3
chinarice3+4+5	chinarice3+4+5
chinarice4	chinarice4
chinarice5	chinarice5

## GROWERID: Unique respondent ID

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
710160	710160
710170	710170
710180	710180
710190	710190
710200	710200
710210	710210
710230	710230
710370	710370
710400	710400
710410	710410

710420	710420
710430	710430
710440	710440
710450	710450
710850	710850
710870	710870
710880	710880
710890	710890
710900	710900
710910	710910
710920	710920
710930	710930
710940	710940
710950	710950
710960	710960
710970	710970
710980	710980
710990	710990
711000	711000
711010	711010
711020	711020
711030	711030
711070	711070
711180	711180
711190	711190
711200	711200
711220	711220
711230	711230
711240	711240
711320	711320
711330	711330
711340	711340
711350	711350
711360	711360
711370	711370
711380	711380
711390	711390
711400	711400
711410	711410



711420	711420
711430	711430
711440	711440
711450	711450
711530	711530
711540	711540
711550	711550
711560	711560
711570	711570
711580	711580
711590	711590
711600	711600
711610	711610
711620	711620
711630	711630
711640	711640
712052	712052
712072	712072
712092	712092
712112	712112
712122	712122
712232	712232
713252	713252
713262	713262
713512	713512
713732	713732
713742	713742
713752	713752
713762	713762
713772	713772
713782	713782
713783	713783
713784	713784
714011	714011
714012	714012
714021	714021
714022	714022
714031	714031
714032	714032

714041	714041
714042	714042
714051	714051
714052	714052
714061	714061
714062	714062
714071	714071
714072	714072
714081	714081
714082	714082
714091	714091
714092	714092
714101	714101
714102	714102
714502	714502
715191	715191
715192	715192
715261	715261
715262	715262
715281	715281
715282	715282
715291	715291
715292	715292
715301	715301
715302	715302
715311	715311
715312	715312
715321	715321
715322	715322
715331	715331
715332	715332
715341	715341
715342	715342
715352	715352
715362	715362
715392	715392
715402	715402
716110	716110
716120	716120

716130	716130
716140	716140
716150	716150
716160	716160
716170	716170
716180	716180
716190	716190
716200	716200
716210	716210
716220	716220
716230	716230
717010	717010
717030	717030
717050	717050
717070	717070
717090	717090
717110	717110
717120	717120
717130	717130
717150	717150
717170	717170
717190	717190
717210	717210
718010	718010
718020	718020
718030	718030
718040	718040
718050	718050
718060	718060
718070	718070
718080	718080
718090	718090
718100	718100
718110	718110
718120	718120
718130	718130
718140	718140
718150	718150
718160	718160

718170	718170
718180	718180
718190	718190
718200	718200
719100	719100
719110	719110
719120	719120
719130	719130
719140	719140
719150	719150
719160	719160
719170	719170
719180	719180
719190	719190
719200	719200
719210	719210
720010	720010
720020	720020
720030	720030
720040	720040
720050	720050
720060	720060
720070	720070
720080	720080
720090	720090
720100	720100
720110	720110
720120	720120
720130	720130
720140	720140
720150	720150
720240	720240
720250	720250
720260	720260
720270	720270
720280	720280
720290	720290
720300	720300
720310	720310

720320	720320
720330	720330
720340	720340
720350	720350
720360	720360
720380	720380
720390	720390
720460	720460
720470	720470
720480	720480
720490	720490
720500	720500
720510	720510
720520	720520
720530	720530
720540	720540
720550	720550
720560	720560
720570	720570
720580	720580
720590	720590
720600	720600
720610	720610
720700	720700
720710	720710
720720	720720
720730	720730
720740	720740
720750	720750
720760	720760
720770	720770
720780	720780
720790	720790
720800	720800
720810	720810
720820	720820
720830	720830
720840	720840
720910	720910

720920	720920
720940	720940
720950	720950
720960	720960
720970	720970
720980	720980
720990	720990
721000	721000
721010	721010
721020	721020
721030	721030
721040	721040
721050	721050
721070	721070
721080	721080
721090	721090
721100	721100
721110	721110
721120	721120
721130	721130
721140	721140
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721160	721160
721170	721170
721200	721200
721210	721210
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721230	721230
721240	721240
721250	721250
721260	721260
721270	721270
721280	721280
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721300	721300
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721370	721370
721380	721380
721390	721390
721400	721400
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721420	721420
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721440	721440
721450	721450
721460	721460
721470	721470
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721670	721670
721680	721680
721690	721690
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721720	721720
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721750	721750
721760	721760
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721990	721990
722012	722012
722022	722022
722032	722032
722042	722042
722052	722052
722062	722062
722072	722072
722082	722082
722092	722092

722102	722102
722132	722132
722142	722142
722152	722152
722162	722162
722172	722172
722182	722182
722192	722192
722202	722202
722212	722212
722222	722222
723052	723052
723062	723062
723072	723072
723082	723082
723092	723092
723102	723102
723112	723112
723122	723122
723132	723132
723142	723142
723152	723152
723162	723162
723172	723172
723182	723182
723192	723192
723202	723202
723212	723212
723222	723222
723232	723232
723242	723242
723252	723252
723262	723262
723272	723272
723522	723522
723542	723542
723552	723552
723562	723562
723572	723572



723582	723582
723592	723592
723602	723602
723612	723612
723622	723622
723632	723632
723642	723642
723652	723652
723662	723662
723672	723672
723682	723682
723692	723692
723702	723702
723712	723712
723722	723722
723732	723732
723742	723742
723752	723752
723762	723762
723772	723772
723782	723782
723792	723792
723802	723802
723812	723812
723822	723822
723832	723832
723842	723842
723852	723852
723862	723862
723872	723872
723882	723882
723892	723892
723902	723902
723912	723912
724051	724051
724052	724052
724061	724061
724062	724062
724071	724071

724072	724072
724081	724081
724082	724082
724091	724091
724092	724092
724101	724101
724102	724102
724111	724111
724112	724112
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724122	724122
724131	724131
724132	724132
724141	724141
724142	724142
724151	724151
724152	724152
724161	724161
724162	724162
724171	724171
724172	724172
724181	724181
724182	724182
724191	724191
724192	724192
724201	724201
724202	724202
724211	724211
724212	724212
724221	724221
724222	724222
724231	724231
724232	724232
724241	724241
724242	724242
724251	724251
724252	724252
724261	724261
724262	724262

724271	724271
724272	724272
724281	724281
724282	724282
724291	724291
724292	724292
724502	724502
724512	724512
724522	724522
724532	724532
724542	724542
724552	724552
724562	724562
724572	724572
724582	724582
724592	724592
724602	724602
724612	724612
725021	725021
725022	725022
725061	725061
725062	725062
725071	725071
725072	725072
725081	725081
725082	725082
725091	725091
725092	725092
725101	725101
725102	725102
725111	725111
725112	725112
725121	725121
725122	725122
725131	725131
725132	725132
725141	725141
725142	725142
725151	725151

725152	725152
725161	725161
725162	725162
725171	725171
725172	725172
725181	725181
725182	725182
725201	725201
725202	725202
725211	725211
725212	725212
725231	725231
725232	725232
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725251	725251
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725271	725271
725272	725272
725282	725282
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725332	725332
725342	725342
725352	725352
725362	725362
725372	725372
725382	725382
725412	725412
726010	726010
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726030	726030
726040	726040
726050	726050
726060	726060
726070	726070
726080	726080

726090	726090
726100	726100
726110	726110
726120	726120
726130	726130
726140	726140
726150	726150
726160	726160
726170	726170
726180	726180
726190	726190
727020	727020
727040	727040
727060	727060
727080	727080
727100	727100
727110	727110
727140	727140
727160	727160
727180	727180
727200	727200
727210	727210
727240	727240
727260	727260
727270	727270
727280	727280
727290	727290
728010	728010
728020	728020
728030	728030
728040	728040
728050	728050
728060	728060
728090	728090
728100	728100
728110	728110
728120	728120
728140	728140
728150	728150

728160	728160
728170	728170
728180	728180
728190	728190
728200	728200
728210	728210
728220	728220
728230	728230
729010	729010
729020	729020
729030	729030
729060	729060
729070	729070
729080	729080
729100	729100
729130	729130
729140	729140
729150	729150
729160	729160
729170	729170
729180	729180
729190	729190
729200	729200
729210	729210
729220	729220
729230	729230
729240	729240
729250	729250
729260	729260
729270	729270
729280	729280
729290	729290
729300	729300
729310	729310
729320	729320
729330	729330
729340	729340
729350	729350
729360	729360

729370	729370
729380	729380

## GROWINGAREA: To which field/plot does the information relate to?

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
a	a
b	b

## FARMTYPE: Farmland type

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
bf	bf
rf	rf

## Q1C3: Q1.C3. Since you have participated before, we'd like to share with you your individual performance report

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not so useful
2	very useful
3	rather useful
4	not useful at all

**Q1F: Q1. F. Would it be okay for you for Syngenta to contact you with follow-up information on The Good Growth Plan?**

**Data file:** Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	yes
2	no

**CROP: Crop of focus**

**Data file:** Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
corn	corn
potato	potato
rice	rice



### Q56A2\_1: Q56A2. Growing area changed from previous year- did not plant this area due to crop rotation

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q56A2\_2: Q56A2. Growing area changed from previous year- I hired another area

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

### Q56A2\_3: Q56A2. Growing area changed from previous year- Sold or rented that area

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q56A2\_4: Q56A2. Growing area changed from previous year- I left my field fallow****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q56A2\_5: Q56A2. Growing area changed from previous year- Switched to field with Syngenta program****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q56A2\_6: Q56A2. Growing area changed from previous year- Do not cultivate Crop on that area anymore****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-------	----------

1	not mentioned
2	mentioned

### Q56A2\_96: Q56A2. Growing area changed from previous year- Other specify 1

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q56A2\_99: Q56A2. Growing area changed from previous year? Don't know / no answer

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q57A: Q57A. How certain you are of the size indication for growing area A?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

##### CATEGORIES

Value	Category
The size indicated is an estimate	The size indicated is an estimate
The size indicated was measured by a third party	The size indicated was measured by a third party
other specify:	other specify:
the size indicated is based on my own measurement	the size indicated is based on my own measurement

#### Q4055: Q4055. TON/HEC Yield objective for area A for at beginning of this season?

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.9 - 15000 Format: Numeric

#### Q19: Q19. Surname

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

##### Questions and instructions

##### CATEGORIES

Value	Category
confidential	confidential

#### Q28: Q28. Gender

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category
1	male
2	female

**Q31: Q31. Until what age did you go to school?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 0 - 61 Format: Numeric

**Q30: Q30. Are you a full-time or part-time farmer?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Full-time grower
2	other specify:
3	Part-time grower

**Q30B: Q30. B. How long have you been engaged in farming activities?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 60 Format: Numeric

**Q33: Q33. Did you receive an agronomical/agricultural education?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	no
2	yes

**Q34: Q34. Are you a member of a producer group, association or cooperative for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	no
2	yes

**Q20: Q20. First name****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
confidential	confidential

**Q21: Q21. Phone number****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
confidential	confidential

**Q22: Q22. E-mail address****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
confidential	confidential

**Q27: Q27. Year of birth****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1924 - 1999 Format: Numeric

**Q35C: Q35. C. Overall, how satisfied would you say you are with your life these days?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
01 not satisfied at all	01 not satisfied at all
02	02
03	03
04	04
05	05
06	06
07	07
08	08
09	09

10 very satisfied

10 very satisfied

**Q37A: Q37.A. Do you have signs of soil erosion by water on****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	no
2	yes

**Q37B: Q37.B. Do you have signs of soil erosion by wind on your farm?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	yes
2	no

**Q7001: Q7001. Have you changed your tillage practices for in the past 20 years?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-------	----------



1	yes
2	no

### Q7002: Q7002. How did you change your tillage practices for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 7 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	don't know/ no answer
2	from conventional tillage to reduced tillage
3	from no tillage to reduced tillage
4	from conventional tillage to no tillage
5	from no tillage to conventional tillage
6	from reduced tillage to no tillage
7	from reduced to conventional tillage

### Q7003: Q7003. How many years ago did you change your tillage practices for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 20 Format: Numeric

### Q7004: Q7004. Have you grown cover crop to manage soil health in the past 20 years for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-------	----------

1	no
2	yes

### Q7005: Q7005. How many years ago did you start growing a cover crop for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 20 Format: Numeric

### Q7006: Q7006 Have you stopped growing a cover crop in the past 20 years for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category
1	no
2	yes

### Q7007: Q7007. How many years ago did you stop growing a cover crop for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 20 Format: Numeric

### Q7008: Q7008. For was any land converted from arable land/grassland/forest in the past 20 years?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	no
2	yes

### Q7009: Q7009. How did the use of your land change for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	from grassland to forest
2	from grassland to arable land
3	from arable land to grassland
4	from arable land to forest

### Q7010: Q7010. How many years ago did the function of your land change for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 20 Format: Numeric

### Q65: Q65. Do you practice intercropping for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	yes
2	no

### Q66\_7: Q66. Which crops do you intercrop? Corn

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

### Q66\_13: Q66. Which crops do you intercrop? Potato

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q66\_14: Q66. Which crops do you intercrop? Rice

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q66\_15: Q66. Which crops do you intercrop? Soybean

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q66\_17: Q66. Which crops do you intercrop? Sugarcane

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q66\_18: Q66. Which crops do you intercrop? Sunflower

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

## Q66\_21: Q66. Which crops do you intercrop? Wheat

Data file: Global\_farm\_data

### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

## Q66\_33: Q66. Which crops do you intercrop? Cauliflower (in general)

Data file: Global\_farm\_data

### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

## Q60: Q60. Do you rotate crops on growing area A for ?

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	yes
2	no

## Q61\_1: Q61. What crops are you cultivating in rotation? Apples

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

## Q61\_3: Q61. What crops are you cultivating in rotation? Barley

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

**Q61\_4: Q61. What crops are you cultivating in rotation? Cauliflower****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q61\_7: Q61. What crops are you cultivating in rotation? Corn****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	mentioned
2	not mentioned

**Q61\_10: Q61. What crops are you cultivating in rotation? Oilseed rape****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned



**Q61\_12: Q61. What crops are you cultivating in rotation? Pepper****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q61\_13: Q61. What crops are you cultivating in rotation? Potato****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q61\_14: Q61. What crops are you cultivating in rotation? Rice****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned

2	mentioned
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### Q61\_15: Q61. What crops are you cultivating in rotation? Soybean

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q61\_17: Q61. What crops are you cultivating in rotation? Sugarcane

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q61\_18: Q61. What crops are you cultivating in rotation? Sunflower

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
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1	not mentioned
2	mentioned

### Q61\_19: Q61. What crops are you cultivating in rotation? Tomato

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

### Q61\_20: Q61. What crops are you cultivating in rotation? Watermelon

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q61\_21: Q61. What crops are you cultivating in rotation? Wheat

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

### Q61\_25: Q61. What crops are you cultivating in rotation? Beets/roots (turnip, yam)

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q61\_62: Q61. What crops are you cultivating in rotation? Millet

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q61\_80: Q61. What crops are you cultivating in rotation? Pulses (lentils, beans, peas)

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q61\_96: Q61. What crops are you cultivating in rotation? Other. Specify 1

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

### Q61\_97: Q61. What crops are you cultivating in rotation? Other. Specify 2

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q67: Q67. What is the soil type of growing area A for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 13    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	sandy clay soil
2	silty clay soil
3	clay soil
4	clay loam soil
5	loamy sand soil
6	sandy loam soil
7	silty clay loam soil
8	silt loam soil
9	sandy clay loam soil
10	loam soil
11	sand soil
12	other. specify:
13	silt soil

## Q67B: Q67B. Texture is your soil on growing area A for this season?

Data file: Global\_farm\_data

### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 3    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	light - this includes sandy soils that are easy to
2	medium - this includes loamy soils that are moderately
3	heavy - this includes clayey soils that are hard

## Q7011: Q7011. How moist would rate your soil on growing area A for this season?

Data file: Global\_farm\_data

### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	moist
2	dry

## Q7012: Q7012 Rate the drainage of water through the soil on area A for this season?

Data file: Global\_farm\_data

### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	good drainage
2	poor drainage

## Q55E1: Q55E1.Partook in training/meeting on crop/agricultural practices in the past 2 years?

Data file: Global\_farm\_data

### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	no
2	yes

## Q5500: Q5500. During the training/meeting, at least 15 minutes talking about safe-use practices

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	yes
2	no

## Q55E2\_1: Q55E2. Who organized this training? Syngenta representative

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

## Q55E2\_2: Q55E2. Who organized this training? Internet

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned



**Q55E2\_3: Q55E2. Who organized this training? Extension officer****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

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## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q55E2\_4: Q55E2. Who organized this training? Cooperative****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

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## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q55E2\_5: Q55E2. Who organized this training? Agronomist/advisor****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

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## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q55E2\_6: Q55E2. Who organized this training? Supplier****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q55E2\_7: Q55E2. Who organized this training? Governmental organization (e.g. Ministry)****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	mentioned
2	not mentioned

**Q55E2\_96: Q55E2. Who organized this training? Other specify 1:****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned

2	mentioned
---	-----------

### Q55E2\_99: Q55E2. Who organized this training? Don't know / no answer

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q5501: Q5501. Have you been contacted by a Syngenta representative during the past season?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	yes
2	no

### Q5502\_1: Q5502. Can you describe how the Syngenta representative contacted you? Demonstration day

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q5502\_2: Q5502. Can you describe how the Syngenta representative contacted you? They visited my farm**

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q5502\_3: Q5502. Can you describe how the Syngenta representative contacted you? Received a brochure**

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q5502\_4: Q5502. Can you describe how the Syngenta representative contacted you? Phone call**

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

**Q5502\_5: Q5502. Can you describe how the Syngenta representative contacted you? E-mail communication**

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q5502\_96: Q5502. Can you describe how the Syngenta representative contacted you? Other specify 1:**

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q5503: Q5503. How useful was contact with the Syngenta Representative****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	rather useful
2	very useful
3	not very useful
4	not useful at all

**Q4041A: Q4041.A. Do you feel the need to follow training on crop cultivation in the near future?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	no
2	yes

**Q54\_1: Q54. Where do you deposit the rest water after spraying? Citerne (phytobac, helioseca, sentinel, biofilter)****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Mentioned
2	Not mentioned

### Q54\_2: Q54. Where do you deposit the rest water after spraying? In fields

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	Mentioned

### Q54\_3: Q54. Where do you deposit the rest water after spraying? In rivers, streams, drain or via the ditch

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	Mentioned

### Q54\_96: Q54. Where do you deposit the rest water after spraying? Other specify 1:

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	Mentioned

### Q54\_OTH1: Q54. Other 1:: Q54. Where do you deposit the rest water after spraying?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

##### CATEGORIES

Value	Category
It will be used out.	It will be used out.
There's no water to be left, and all the liquid will be used out.	There's no water to be left, and all the liquid will be used out.
To the uncultivated land.	To the uncultivated land.
We drop it to the waste water ditch.	We drop it to the waste water ditch.
We pour it to the earth road.	We pour it to the earth road.
We use it up completely.	We use it up completely.

### Q55A\_1: Q55a. Where do you clean your sprain equipment? On farm

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q55B\_1: Q55b. Where do you dispose the water used for cleaning you equipment? On field

Data file: Global\_farm\_data



## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

## Q55B\_2: Q55b. Where do you dispose the water used for cleaning you equipment? Citerne

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

## Q55B\_3: Q55b. Where do you dispose the water used for cleaning you equipment? On an unpaved surface

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q55B\_4: Q55b. Where do you dispose the water used for cleaning you equipment? On a paved surface (drain / dike)

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	mentioned

### Q55B\_96: Q55b. Where do you dispose the water used for cleaning you equipment? Other specify 1:

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	mentioned

### Q55C: Q55. C. Do you store the sprayer protected from rain?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	yes
2	no

**Q55D: Q55. D. Do you use drift-reducing nozzles on your sprayer?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	yes
2	no

**Q71C: Q71. C. Could you please note down the strengths of the Barley variety that you have sown.****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
CONVENTIONAL RICE	CONVENTIONAL RICE
XIANG 24	XIANG 24
XIANGSHAN 24	XIANGSHAN 24
XIANGSHANZAO 24	XIANGSHANZAO 24
XIANGWANXIAN 24	XIANGWANXIAN 24

**Q72: Q72. When did the first field preparation start for growing area A for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
2014-02-10	2014-02-10
2014-02-12	2014-02-12
2014-02-14	2014-02-14
2014-02-15	2014-02-15
2014-02-18	2014-02-18
2014-02-20	2014-02-20
2014-02-25	2014-02-25
2014-02-28	2014-02-28
2014-03-01	2014-03-01
2014-03-02	2014-03-02
2014-03-03	2014-03-03
2014-03-04	2014-03-04
2014-03-05	2014-03-05
2014-03-07	2014-03-07
2014-03-10	2014-03-10
2014-03-12	2014-03-12
2014-03-13	2014-03-13
2014-03-14	2014-03-14
2014-03-15	2014-03-15
2014-03-17	2014-03-17
2014-03-19	2014-03-19
2014-03-20	2014-03-20
2014-03-21	2014-03-21
2014-03-25	2014-03-25
2014-04-01	2014-04-01
2014-04-02	2014-04-02
2014-04-03	2014-04-03
2014-04-05	2014-04-05
2014-04-06	2014-04-06
2014-04-10	2014-04-10
2014-04-14	2014-04-14
2014-04-15	2014-04-15
2014-04-18	2014-04-18
2014-04-19	2014-04-19
2014-04-20	2014-04-20
2014-04-21	2014-04-21
2014-04-22	2014-04-22
2014-04-23	2014-04-23

2014-04-24	2014-04-24
2014-04-25	2014-04-25
2014-04-26	2014-04-26
2014-04-27	2014-04-27
2014-04-28	2014-04-28
2014-04-29	2014-04-29
2014-04-30	2014-04-30
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2014-05-03	2014-05-03
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2014-06-13	2014-06-13
2014-06-15	2014-06-15
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2014-07-06	2014-07-06
2014-07-08	2014-07-08
2014-07-10	2014-07-10
2014-07-11	2014-07-11
2014-07-12	2014-07-12
2014-07-13	2014-07-13
2014-07-14	2014-07-14
2014-07-15	2014-07-15
2014-07-16	2014-07-16
2014-07-17	2014-07-17
2015-11-01	2015-11-01

2015-12-10	2015-12-10
2016-01-01	2016-01-01
2016-01-10	2016-01-10
2016-01-20	2016-01-20
2016-01-26	2016-01-26
2016-01-31	2016-01-31
2016-02-01	2016-02-01
2016-02-02	2016-02-02
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2016-02-10	2016-02-10
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2016-04-06	2016-04-06
2016-04-07	2016-04-07
2016-04-08	2016-04-08
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2016-04-26	2016-04-26
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2016-04-30	2016-04-30
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2016-05-10	2016-05-10
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2016-05-14	2016-05-14
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2016-05-16	2016-05-16
2016-05-17	2016-05-17
2016-05-18	2016-05-18
2016-05-19	2016-05-19

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2016-05-21	2016-05-21
2016-05-22	2016-05-22
2016-05-23	2016-05-23
2016-05-25	2016-05-25
2016-05-28	2016-05-28
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2016-08-04	2016-08-04
2017-02-01	2017-02-01
2017-03-01	2017-03-01
2017-03-02	2017-03-02
2017-03-03	2017-03-03
2017-03-04	2017-03-04



2017-03-05	2017-03-05
2017-03-06	2017-03-06
2017-03-07	2017-03-07
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2017-04-23	2017-04-23
2017-04-24	2017-04-24
2017-04-25	2017-04-25
2017-04-26	2017-04-26
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2017-04-28	2017-04-28
2017-04-29	2017-04-29

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2017-05-01	2017-05-01
2017-05-02	2017-05-02
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2017-05-05	2017-05-05
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2017-05-25	2017-05-25
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2017-06-15	2017-06-15
2017-06-17	2017-06-17
2017-06-19	2017-06-19
2017-06-20	2017-06-20
2017-06-24	2017-06-24
2017-07-01	2017-07-01
2017-07-05	2017-07-05
2017-07-06	2017-07-06

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2017-07-08	2017-07-08
2017-07-09	2017-07-09
2017-07-10	2017-07-10
2017-07-11	2017-07-11
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2017-07-16	2017-07-16
2017-07-17	2017-07-17
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2017-11-16	2017-11-16
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2018-01-25	2018-01-25
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2018-02-15	2018-02-15
2018-02-20	2018-02-20
2018-02-25	2018-02-25
2018-02-26	2018-02-26
2018-02-28	2018-02-28
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2018-03-06	2018-03-06
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2018-03-08	2018-03-08
2018-03-10	2018-03-10
2018-03-14	2018-03-14
2018-03-15	2018-03-15
2018-03-17	2018-03-17
2018-03-20	2018-03-20
2018-03-22	2018-03-22
2018-03-28	2018-03-28
2018-04-01	2018-04-01

2018-04-06	2018-04-06
2018-04-08	2018-04-08
2018-04-09	2018-04-09
2018-04-10	2018-04-10
2018-04-13	2018-04-13
2018-04-15	2018-04-15
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2018-04-20	2018-04-20
2018-04-21	2018-04-21
2018-04-22	2018-04-22
2018-04-23	2018-04-23
2018-04-24	2018-04-24
2018-04-25	2018-04-25
2018-04-26	2018-04-26
2018-04-27	2018-04-27
2018-04-28	2018-04-28
2018-04-29	2018-04-29
2018-04-30	2018-04-30
2018-05-01	2018-05-01
2018-05-02	2018-05-02
2018-05-05	2018-05-05
2018-05-06	2018-05-06
2018-05-07	2018-05-07
2018-05-10	2018-05-10
2018-05-12	2018-05-12
2018-05-15	2018-05-15
2018-05-20	2018-05-20
2018-05-22	2018-05-22
2018-05-25	2018-05-25
2018-06-01	2018-06-01
2018-06-02	2018-06-02
2018-06-03	2018-06-03
2018-06-04	2018-06-04
2018-06-05	2018-06-05
2018-06-06	2018-06-06
2018-06-07	2018-06-07
2018-06-08	2018-06-08
2018-06-09	2018-06-09
2018-06-10	2018-06-10

2018-06-12	2018-06-12
2018-06-13	2018-06-13
2018-06-15	2018-06-15
2018-06-26	2018-06-26
2018-07-10	2018-07-10
2018-12-07	2018-12-07
2019-01-01	2019-01-01
2019-01-05	2019-01-05
2019-01-12	2019-01-12
2019-01-20	2019-01-20
2019-01-30	2019-01-30
2019-02-05	2019-02-05
2019-02-06	2019-02-06
2019-02-10	2019-02-10
2019-02-20	2019-02-20
2019-02-28	2019-02-28
2019-03-01	2019-03-01
2019-03-10	2019-03-10
2019-03-15	2019-03-15
2019-03-20	2019-03-20
2019-03-25	2019-03-25
2019-03-28	2019-03-28
2019-03-30	2019-03-30
2019-04-01	2019-04-01
2019-04-02	2019-04-02
2019-04-03	2019-04-03
2019-04-10	2019-04-10
2019-04-11	2019-04-11
2019-04-12	2019-04-12
2019-04-15	2019-04-15
2019-04-18	2019-04-18
2019-04-19	2019-04-19
2019-04-20	2019-04-20
2019-04-21	2019-04-21
2019-04-22	2019-04-22
2019-04-24	2019-04-24
2019-04-28	2019-04-28
2019-04-30	2019-04-30
2019-05-01	2019-05-01

2019-05-02	2019-05-02
2019-05-04	2019-05-04
2019-05-05	2019-05-05
2019-05-09	2019-05-09
2019-05-10	2019-05-10
2019-05-12	2019-05-12
2019-05-15	2019-05-15
2019-05-16	2019-05-16
2019-05-20	2019-05-20
2019-05-25	2019-05-25
2019-05-26	2019-05-26
2019-06-01	2019-06-01
2019-06-02	2019-06-02
2019-06-03	2019-06-03
2019-06-04	2019-06-04
2019-06-05	2019-06-05
2019-06-10	2019-06-10
2019-06-25	2019-06-25
2019-07-02	2019-07-02
2019-07-03	2019-07-03
2019-07-20	2019-07-20
2019-07-22	2019-07-22
2019-07-25	2019-07-25
2019-07-27	2019-07-27
2019-07-28	2019-07-28
2019-07-30	2019-07-30
2019-07-31	2019-07-31
2019-08-01	2019-08-01
2019-08-02	2019-08-02
2019-08-03	2019-08-03
2019-08-05	2019-08-05
2019-08-06	2019-08-06
2019-08-09	2019-08-09
2019-08-10	2019-08-10

### Q73: Q73. KGs/HECT of seeds sown for growing area A for

Data file: Global\_farm\_data

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 6 - 3750 Format: Numeric

**Q73A1: Q73A1. What is the amount of seeds that has been sown for growing area A?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3600 - 5000 Format: Numeric

**Q73A1UNIT: Q73A1.UNIT Please indicate the measurement unit used?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
granule/mu	granule/mu
tablets ()	tablets ()
zhu	zhu

**Q7014A: Q7014.A. Do you cultivate rice in a drought prone environment?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	no
2	yes

**Q123B: Q123. B. Which type of potatoes do you cultivate on growing area A for potato?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	starch potatoes
2	potatoes for fresh use
3	seed potatoes
4	potatoes for process use
5	other. specify:

**Q123BOTH: Q123. B. Other Which type of potatoes do you cultivate on growing area A for potato?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
Submitted to Cooperative	Submitted to Cooperative
Submitted to the village	Submitted to the village

**Q74: Q74. When was the crop sown / planted for growing area A for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES



Value	Category
2014-03-04	2014-03-04
2014-03-08	2014-03-08
2014-03-10	2014-03-10
2014-03-17	2014-03-17
2014-03-18	2014-03-18
2014-03-22	2014-03-22
2014-03-24	2014-03-24
2014-04-02	2014-04-02
2014-04-04	2014-04-04
2014-04-05	2014-04-05
2014-04-06	2014-04-06
2014-04-08	2014-04-08
2014-04-09	2014-04-09
2014-04-10	2014-04-10
2014-04-15	2014-04-15
2014-04-19	2014-04-19
2014-04-20	2014-04-20
2014-04-21	2014-04-21
2014-04-22	2014-04-22
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2014-04-24	2014-04-24
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2014-04-26	2014-04-26
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2014-05-05	2014-05-05
2014-05-06	2014-05-06
2014-05-07	2014-05-07
2014-05-08	2014-05-08
2014-05-09	2014-05-09
2014-05-10	2014-05-10
2014-05-11	2014-05-11

2014-05-12	2014-05-12
2014-05-13	2014-05-13
2014-05-15	2014-05-15
2014-05-18	2014-05-18
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2016-03-16	2016-03-16
2016-03-18	2016-03-18
2016-03-20	2016-03-20
2016-03-22	2016-03-22
2016-03-23	2016-03-23
2016-03-25	2016-03-25

2016-03-28	2016-03-28
2016-04-01	2016-04-01
2016-04-02	2016-04-02
2016-04-05	2016-04-05
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2016-05-07	2016-05-07
2016-05-08	2016-05-08
2016-05-09	2016-05-09
2016-05-10	2016-05-10
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2018-06-14	2018-06-14
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2018-06-16	2018-06-16
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2018-06-20	2018-06-20
2018-08-01	2018-08-01
2018-08-02	2018-08-02
2018-08-03	2018-08-03
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2018-08-17	2018-08-17
2018-08-18	2018-08-18
2018-08-20	2018-08-20
2018-08-25	2018-08-25
2019-04-10	2019-04-10
2019-04-20	2019-04-20



2019-04-22	2019-04-22
2019-04-25	2019-04-25
2019-04-26	2019-04-26
2019-04-27	2019-04-27
2019-04-28	2019-04-28
2019-04-29	2019-04-29
2019-04-30	2019-04-30
2019-05-01	2019-05-01
2019-05-02	2019-05-02
2019-05-03	2019-05-03
2019-05-04	2019-05-04
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2019-05-06	2019-05-06
2019-05-08	2019-05-08
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2019-05-18	2019-05-18
2019-05-20	2019-05-20
2019-05-22	2019-05-22
2019-05-25	2019-05-25
2019-05-28	2019-05-28
2019-05-30	2019-05-30
2019-06-02	2019-06-02
2019-06-03	2019-06-03
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2019-06-13	2019-06-13
2019-06-15	2019-06-15
2019-06-25	2019-06-25
2019-08-01	2019-08-01
2019-08-02	2019-08-02
2019-08-03	2019-08-03
2019-08-04	2019-08-04
2019-08-05	2019-08-05

2019-08-06	2019-08-06
2019-08-07	2019-08-07
2019-08-09	2019-08-09
2019-08-10	2019-08-10

### Q7400: Q7400. Have you sown/planted in the same period as last year?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	yes
2	no

### Q231B: Q231B. Are your seeds coated with crop protection products?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	no
2	yes

### Q233: Q233. Do you use on-farm or pre-treated seed treatment to treat the seeds for growing area A for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	pre-treated seed treatment
2	on-farm seed treatment
3	none

**Q397NEW: Q397\_NEW. If you have received a crop program and/or any recommendations for growing to implement this season.**

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	i did not receive any kind of crop program
2	i received a complete crop program (this
3	i received some recommendations but not a complete program

**Q224A: Q224 A. Did you perform a soil test for ?**

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	yes
2	no

**Q224: Q224. Do you apply organic fertilizers for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	no
2	yes

**Q226: Q226. Do you apply chemical fertilizers for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	yes
2	no

**Q229B1: Q229B1.Total number of applications you perform with chemical fertilizers on growing area for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 7 Format: Numeric

**Q229B2: Q229B2.Total number of applications you perform with organic fertilizers on growing area for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 7    Format: Numeric

### Q240E\_1: Q240E. We would like to better understand the pest pressure on the selected growing areas. INSECT PRESSURE

Data file: Global\_farm\_data

#### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 5    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	medium
2	no pressure
3	low
4	high
5	don't know/no answer

### Q240E\_2: Q240E. We would like to better understand the pest pressure on the selected growing areas. DISEASE PRESSURE

Data file: Global\_farm\_data

#### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 5    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	low
2	no pressure
3	medium
4	high
5	don't know/no answer

### Q240E\_3: Q240E. We would like to better understand the pest pressure on the selected

**growing areas. WEED PRESSURE****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	medium
2	low
3	high
4	no pressure
5	don't know/no answer

**Q240EN: Q240.E1. Do you generally use drift-reducing nozzles on your sprayer?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	yes
2	no

**Q240D: Q240D. Note down the total number of treatments you perform with crop protection products****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 8 Format: Numeric

**Q75: Q75. What is the final stand i.e. the number of plants - per /?****Data file:** Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: -0.0015 - 80000 Format: Numeric

### Q76: Q76. Prior to harvest, indicate the percentage of the plot area that is lodged for ?

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 100 Format: Numeric

### Q243A: Q243. When was the harvest period for ?

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
2014-07-06	2014-07-06
2014-07-07	2014-07-07
2014-07-08	2014-07-08
2014-07-09	2014-07-09
2014-07-10	2014-07-10
2014-07-11	2014-07-11
2014-07-12	2014-07-12
2014-07-13	2014-07-13
2014-07-15	2014-07-15
2014-09-01	2014-09-01
2014-09-02	2014-09-02
2014-09-03	2014-09-03
2014-09-04	2014-09-04
2014-09-05	2014-09-05
2014-09-10	2014-09-10
2014-09-15	2014-09-15
2014-09-20	2014-09-20
2014-09-22	2014-09-22

2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-28	2014-09-28
2014-09-29	2014-09-29
2014-09-30	2014-09-30
2014-10-01	2014-10-01
2014-10-02	2014-10-02
2014-10-03	2014-10-03
2014-10-04	2014-10-04
2014-10-05	2014-10-05
2014-10-06	2014-10-06
2014-10-07	2014-10-07
2014-10-08	2014-10-08
2014-10-09	2014-10-09
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-12	2014-10-12
2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-16	2014-10-16
2014-10-17	2014-10-17
2014-10-18	2014-10-18
2014-10-19	2014-10-19
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-23	2014-10-23
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-26	2014-10-26
2014-10-27	2014-10-27
2014-10-28	2014-10-28
2014-10-29	2014-10-29
2014-10-30	2014-10-30
2014-11-01	2014-11-01
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-04	2014-11-04



2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
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2014-11-10	2014-11-10
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2014-11-12	2014-11-12
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2014-11-16	2014-11-16
2014-11-20	2014-11-20
2016-07-04	2016-07-04
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2016-07-06	2016-07-06
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2016-07-08	2016-07-08
2016-07-10	2016-07-10
2016-07-12	2016-07-12
2016-07-13	2016-07-13
2016-07-14	2016-07-14
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2016-09-27	2016-09-27

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2016-10-02	2016-10-02
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2016-11-17	2016-11-17
2016-11-20	2016-11-20
2016-11-22	2016-11-22
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2018-10-11	2018-10-11
2018-10-12	2018-10-12
2018-10-13	2018-10-13
2018-10-14	2018-10-14

2018-10-15	2018-10-15
2018-10-16	2018-10-16
2018-10-17	2018-10-17
2018-10-18	2018-10-18
2018-10-19	2018-10-19
2018-10-20	2018-10-20
2018-10-21	2018-10-21
2018-10-22	2018-10-22
2018-10-23	2018-10-23
2018-10-24	2018-10-24
2018-10-25	2018-10-25
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2018-11-10	2018-11-10
2018-11-14	2018-11-14
2018-11-15	2018-11-15
2018-11-16	2018-11-16
2018-11-17	2018-11-17
2018-11-23	2018-11-23
2018-11-25	2018-11-25
2019-09-01	2019-09-01
2019-09-03	2019-09-03
2019-09-05	2019-09-05
2019-09-08	2019-09-08
2019-09-10	2019-09-10
2019-09-13	2019-09-13
2019-09-15	2019-09-15
2019-09-16	2019-09-16
2019-09-17	2019-09-17
2019-09-18	2019-09-18
2019-09-19	2019-09-19
2019-09-20	2019-09-20
2019-09-21	2019-09-21
2019-09-22	2019-09-22

2019-09-23	2019-09-23
2019-09-25	2019-09-25
2019-09-26	2019-09-26
2019-09-27	2019-09-27
2019-09-29	2019-09-29
2019-10-01	2019-10-01
2019-10-02	2019-10-02
2019-10-03	2019-10-03
2019-10-04	2019-10-04
2019-10-05	2019-10-05
2019-10-06	2019-10-06
2019-10-07	2019-10-07
2019-10-08	2019-10-08
2019-10-10	2019-10-10
2019-10-11	2019-10-11
2019-10-12	2019-10-12
2019-10-13	2019-10-13
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2019-10-16	2019-10-16
2019-10-17	2019-10-17
2019-10-18	2019-10-18
2019-10-20	2019-10-20
2019-10-21	2019-10-21
2019-10-22	2019-10-22
2019-10-23	2019-10-23
2019-10-24	2019-10-24
2019-10-25	2019-10-25
2019-10-26	2019-10-26
2019-10-27	2019-10-27
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2019-11-02	2019-11-02
2019-11-03	2019-11-03
2019-11-04	2019-11-04
2019-11-05	2019-11-05
2019-11-07	2019-11-07
2019-11-08	2019-11-08
2019-11-09	2019-11-09

2019-11-10	2019-11-10
2019-11-11	2019-11-11
2019-11-12	2019-11-12
2019-11-13	2019-11-13
2019-11-16	2019-11-16
2019-11-21	2019-11-21
2019-11-26	2019-11-26

### Q243B: Q243. When was the harvest period for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

#### CATEGORIES

Value	Category
2014-05-30	2014-05-30
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2014-07-25	2014-07-25
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2014-07-27	2014-07-27
2014-07-30	2014-07-30
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2014-09-03	2014-09-03
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2014-09-21	2014-09-21
2014-09-22	2014-09-22
2014-09-23	2014-09-23
2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-30	2014-09-30



2014-10-02	2014-10-02
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2014-10-04	2014-10-04
2014-10-05	2014-10-05
2014-10-06	2014-10-06
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2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09

2014-11-10	2014-11-10
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2014-11-19	2014-11-19
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2016-09-20	2016-09-20
2016-09-21	2016-09-21
2016-09-22	2016-09-22

2016-09-24	2016-09-24
2016-09-25	2016-09-25
2016-09-26	2016-09-26
2016-09-27	2016-09-27
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2016-11-11	2016-11-11

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2016-11-13	2016-11-13
2016-11-15	2016-11-15
2016-11-16	2016-11-16
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2016-11-28	2016-11-28
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2017-10-30	2017-10-30
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2017-11-02	2017-11-02
2017-11-03	2017-11-03

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2018-09-04	2018-09-04
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2018-09-29	2018-09-29
2018-09-30	2018-09-30
2018-10-01	2018-10-01
2018-10-02	2018-10-02

2018-10-03	2018-10-03
2018-10-04	2018-10-04
2018-10-05	2018-10-05
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2018-11-18	2018-11-18
2018-11-20	2018-11-20

2018-11-25	2018-11-25
2018-11-26	2018-11-26
2018-11-30	2018-11-30
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2019-09-04	2019-09-04
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2019-10-17	2019-10-17
2019-10-18	2019-10-18
2019-10-19	2019-10-19
2019-10-20	2019-10-20
2019-10-21	2019-10-21



2019-10-22	2019-10-22
2019-10-23	2019-10-23
2019-10-24	2019-10-24
2019-10-25	2019-10-25
2019-10-26	2019-10-26
2019-10-27	2019-10-27
2019-10-29	2019-10-29
2019-10-30	2019-10-30
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2019-11-03	2019-11-03
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2019-11-09	2019-11-09
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2019-11-12	2019-11-12
2019-11-13	2019-11-13
2019-11-14	2019-11-14
2019-11-15	2019-11-15
2019-11-16	2019-11-16
2019-11-20	2019-11-20
2019-11-21	2019-11-21
2019-11-26	2019-11-26
2019-11-28	2019-11-28

### Q243BB: Q243b. Have you harvested in the same period as last year?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category
-------	----------

1	yes
2	no

#### Q244: Q244. Marketable yield that has been achieved for growing area A for in per ?

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3.45 - 12 Format: Numeric

#### Q274A: Q274. Yield that has been achieved for growing area A for corn in per ? Grain yield

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3 - 24 Format: Numeric

#### Q274B: Q274. Yield that has been achieved for growing area A for corn in per ? Silage yield

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 45 Format: Numeric

#### Q274C: Q274. Yield that has been achieved for growing area A for corn in per ? Cobs yield

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 6 - 24 Format: Numeric

#### Q274\_UNIT: q274\_unit. If measurement unit is different than ton per hectares, please specify.

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
cob yield	cob yield
grain yield	grain yield
silage yield	silage yield

**Q299: Q299. What is the tuber yield that has been achieved for potato in /?**

**Data file:** Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3 - 45 Format: Numeric

**Q4094\_1: Q4094. Who measured the yield on each of the growing areas? Myself**

**Data file:** Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q4094\_2: Q4094. Who measured the yield on each of the growing areas? Dealer/store**

**Data file:** Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-------	----------

1	not mentioned
2	mentioned

### Q4094\_3: Q4094. Who measured the yield on each of the growing areas? Manufacturer/representative

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q4094\_4: Q4094. Who measured the yield on each of the growing areas? Independent advisor

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q4094\_5: Q4094. Who measured the yield on each of the growing areas? Cooperative

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

### Q4094\_96: Q4094. Who measured the yield on each of the growing areas? Other specify1

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q4094\_98: Q4094. Who measured the yield on each of the growing areas? Other specify3

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q4094\_99: Q4094. Who measured the yield on each of the growing areas? Don't know / no answer

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q4094\_OTH2: Q4094.Other specify:: Q4094. Who measured the yield? Multiple response.**

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
714011,00	714011,00
714012,00	714012,00
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714022,00	714022,00
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714032,00	714032,00
714041,00	714041,00
714042,00	714042,00
714051,00	714051,00
714052,00	714052,00
714061,00	714061,00
714062,00	714062,00
714071,00	714071,00
714072,00	714072,00
714081,00	714081,00
714082,00	714082,00
714091,00	714091,00
714092,00	714092,00

714101,00	714101,00
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724062,00	724062,00
724071,00	724071,00
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724122,00	724122,00
724131,00	724131,00
724132,00	724132,00
724141,00	724141,00
724142,00	724142,00
724151,00	724151,00
724152,00	724152,00
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724262,00	724262,00
724281,00	724281,00

724282,00	724282,00
724291,00	724291,00
724292,00	724292,00

### Q4094\_OTH3: Q4094.Other specify:: Q4094. Who measured the yield? Multiple response.

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

##### CATEGORIES

Value	Category
1	1
2	2

### Q4095A: Q4095. A. Compared to previous year, would you say your yield has ...?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	increased
2	decreased
3	remained stable

### Q4096A: Q4096. A. How satisfied are you with your yield this season?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric



## Questions and instructions

### CATEGORIES

Value	Category
1	somewhat satisfied
2	very unsatisfied
3	very satisfied
4	somewhat unsatisfied

### Q4097A: Q4097. A. How satisfied are you with the price you received on the market?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	very unsatisfied
2	somewhat satisfied
3	very satisfied
4	somewhat unsatisfied

### Q251: Q251. % of crop damaged at the time of harvest (total lost - not marketable) for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 80 Format: Numeric

### Q360A: Q360. When was the harvest period for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
2014-07-06	2014-07-06
2014-07-07	2014-07-07
2014-07-08	2014-07-08
2014-07-09	2014-07-09
2014-07-10	2014-07-10
2014-07-11	2014-07-11
2014-07-12	2014-07-12
2014-07-13	2014-07-13
2014-07-15	2014-07-15
2014-09-01	2014-09-01
2014-09-02	2014-09-02
2014-09-03	2014-09-03
2014-09-04	2014-09-04
2014-09-05	2014-09-05
2014-09-10	2014-09-10
2014-09-15	2014-09-15
2014-09-20	2014-09-20
2014-09-22	2014-09-22
2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-28	2014-09-28
2014-09-29	2014-09-29
2014-09-30	2014-09-30
2014-10-01	2014-10-01
2014-10-02	2014-10-02
2014-10-03	2014-10-03
2014-10-04	2014-10-04
2014-10-05	2014-10-05
2014-10-06	2014-10-06
2014-10-07	2014-10-07
2014-10-08	2014-10-08
2014-10-09	2014-10-09
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-12	2014-10-12

2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-16	2014-10-16
2014-10-17	2014-10-17
2014-10-18	2014-10-18
2014-10-19	2014-10-19
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-23	2014-10-23
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-26	2014-10-26
2014-10-27	2014-10-27
2014-10-28	2014-10-28
2014-10-29	2014-10-29
2014-10-30	2014-10-30
2014-11-01	2014-11-01
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-16	2014-11-16
2014-11-20	2014-11-20

### Q360B: Q360. When was the harvest period for ?

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

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### CATEGORIES

Value	Category
2014-05-30	2014-05-30
2014-07-22	2014-07-22
2014-07-23	2014-07-23
2014-07-24	2014-07-24
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-27	2014-07-27
2014-07-30	2014-07-30
2014-09-01	2014-09-01
2014-09-03	2014-09-03
2014-09-04	2014-09-04
2014-09-14	2014-09-14
2014-09-16	2014-09-16
2014-09-20	2014-09-20
2014-09-21	2014-09-21
2014-09-22	2014-09-22
2014-09-23	2014-09-23
2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-30	2014-09-30
2014-10-02	2014-10-02
2014-10-03	2014-10-03
2014-10-04	2014-10-04
2014-10-05	2014-10-05
2014-10-06	2014-10-06
2014-10-07	2014-10-07
2014-10-08	2014-10-08
2014-10-09	2014-10-09
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-12	2014-10-12
2014-10-13	2014-10-13

2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-16	2014-10-16
2014-10-17	2014-10-17
2014-10-18	2014-10-18
2014-10-19	2014-10-19
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-23	2014-10-23
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-26	2014-10-26
2014-10-27	2014-10-27
2014-10-28	2014-10-28
2014-10-29	2014-10-29
2014-10-30	2014-10-30
2014-10-31	2014-10-31
2014-11-01	2014-11-01
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-13	2014-11-13
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-16	2014-11-16
2014-11-17	2014-11-17
2014-11-18	2014-11-18
2014-11-19	2014-11-19
2014-11-20	2014-11-20
2014-11-22	2014-11-22

2014-11-24	2014-11-24
2014-11-25	2014-11-25
2014-11-28	2014-11-28

### Q319A: Q319. When was the harvest period for sugarcane?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

#### CATEGORIES

Value	Category
2014-07-06	2014-07-06
2014-07-07	2014-07-07
2014-07-08	2014-07-08
2014-07-09	2014-07-09
2014-07-10	2014-07-10
2014-07-11	2014-07-11
2014-07-12	2014-07-12
2014-07-13	2014-07-13
2014-07-15	2014-07-15
2014-09-01	2014-09-01
2014-09-02	2014-09-02
2014-09-03	2014-09-03
2014-09-04	2014-09-04
2014-09-05	2014-09-05
2014-09-10	2014-09-10
2014-09-15	2014-09-15
2014-09-20	2014-09-20
2014-09-22	2014-09-22
2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-28	2014-09-28
2014-09-29	2014-09-29
2014-09-30	2014-09-30
2014-10-01	2014-10-01

2014-10-02	2014-10-02
2014-10-03	2014-10-03
2014-10-04	2014-10-04
2014-10-05	2014-10-05
2014-10-06	2014-10-06
2014-10-07	2014-10-07
2014-10-08	2014-10-08
2014-10-09	2014-10-09
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-12	2014-10-12
2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-16	2014-10-16
2014-10-17	2014-10-17
2014-10-18	2014-10-18
2014-10-19	2014-10-19
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-23	2014-10-23
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-26	2014-10-26
2014-10-27	2014-10-27
2014-10-28	2014-10-28
2014-10-29	2014-10-29
2014-10-30	2014-10-30
2014-11-01	2014-11-01
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10

2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-16	2014-11-16
2014-11-20	2014-11-20

### Q319B: Q319. When was the harvest period for sugarcane?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

#### CATEGORIES

Value	Category
2014-05-30	2014-05-30
2014-07-22	2014-07-22
2014-07-23	2014-07-23
2014-07-24	2014-07-24
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-27	2014-07-27
2014-07-30	2014-07-30
2014-09-01	2014-09-01
2014-09-03	2014-09-03
2014-09-04	2014-09-04
2014-09-14	2014-09-14
2014-09-16	2014-09-16
2014-09-20	2014-09-20
2014-09-21	2014-09-21
2014-09-22	2014-09-22
2014-09-23	2014-09-23
2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-30	2014-09-30
2014-10-02	2014-10-02



2014-10-03	2014-10-03
2014-10-04	2014-10-04
2014-10-05	2014-10-05
2014-10-06	2014-10-06
2014-10-07	2014-10-07
2014-10-08	2014-10-08
2014-10-09	2014-10-09
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-12	2014-10-12
2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-16	2014-10-16
2014-10-17	2014-10-17
2014-10-18	2014-10-18
2014-10-19	2014-10-19
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-23	2014-10-23
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-26	2014-10-26
2014-10-27	2014-10-27
2014-10-28	2014-10-28
2014-10-29	2014-10-29
2014-10-30	2014-10-30
2014-10-31	2014-10-31
2014-11-01	2014-11-01
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10

2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-13	2014-11-13
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-16	2014-11-16
2014-11-17	2014-11-17
2014-11-18	2014-11-18
2014-11-19	2014-11-19
2014-11-20	2014-11-20
2014-11-22	2014-11-22
2014-11-24	2014-11-24
2014-11-25	2014-11-25
2014-11-28	2014-11-28

### Q339A: Q339. When was the harvest period for banana?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

#### CATEGORIES

Value	Category
2014-07-06	2014-07-06
2014-07-07	2014-07-07
2014-07-08	2014-07-08
2014-07-09	2014-07-09
2014-07-10	2014-07-10
2014-07-11	2014-07-11
2014-07-12	2014-07-12
2014-07-13	2014-07-13
2014-07-15	2014-07-15
2014-09-01	2014-09-01
2014-09-02	2014-09-02
2014-09-03	2014-09-03
2014-09-04	2014-09-04

2014-09-05	2014-09-05
2014-09-10	2014-09-10
2014-09-15	2014-09-15
2014-09-20	2014-09-20
2014-09-22	2014-09-22
2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-28	2014-09-28
2014-09-29	2014-09-29
2014-09-30	2014-09-30
2014-10-01	2014-10-01
2014-10-02	2014-10-02
2014-10-03	2014-10-03
2014-10-04	2014-10-04
2014-10-05	2014-10-05
2014-10-06	2014-10-06
2014-10-07	2014-10-07
2014-10-08	2014-10-08
2014-10-09	2014-10-09
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-12	2014-10-12
2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-16	2014-10-16
2014-10-17	2014-10-17
2014-10-18	2014-10-18
2014-10-19	2014-10-19
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-23	2014-10-23
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-26	2014-10-26
2014-10-27	2014-10-27
2014-10-28	2014-10-28
2014-10-29	2014-10-29

2014-10-30	2014-10-30
2014-11-01	2014-11-01
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-16	2014-11-16
2014-11-20	2014-11-20

### Q339B: Q339. When was the harvest period for banana?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

#### CATEGORIES

Value	Category
2014-05-30	2014-05-30
2014-07-22	2014-07-22
2014-07-23	2014-07-23
2014-07-24	2014-07-24
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-27	2014-07-27
2014-07-30	2014-07-30
2014-09-01	2014-09-01
2014-09-03	2014-09-03

2014-09-04	2014-09-04
2014-09-14	2014-09-14
2014-09-16	2014-09-16
2014-09-20	2014-09-20
2014-09-21	2014-09-21
2014-09-22	2014-09-22
2014-09-23	2014-09-23
2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-30	2014-09-30
2014-10-02	2014-10-02
2014-10-03	2014-10-03
2014-10-04	2014-10-04
2014-10-05	2014-10-05
2014-10-06	2014-10-06
2014-10-07	2014-10-07
2014-10-08	2014-10-08
2014-10-09	2014-10-09
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-12	2014-10-12
2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-16	2014-10-16
2014-10-17	2014-10-17
2014-10-18	2014-10-18
2014-10-19	2014-10-19
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-23	2014-10-23
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-26	2014-10-26
2014-10-27	2014-10-27
2014-10-28	2014-10-28
2014-10-29	2014-10-29
2014-10-30	2014-10-30

2014-10-31	2014-10-31
2014-11-01	2014-11-01
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-13	2014-11-13
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-16	2014-11-16
2014-11-17	2014-11-17
2014-11-18	2014-11-18
2014-11-19	2014-11-19
2014-11-20	2014-11-20
2014-11-22	2014-11-22
2014-11-24	2014-11-24
2014-11-25	2014-11-25
2014-11-28	2014-11-28

### Q246\_1: Q246. % of the harvest of your target crop is used for own consumption

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 100 Format: Numeric

### Q246\_2: Q246. % of the harvest of your target crop is used for feeding livestock

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 100 Format: Numeric

**Q246\_3: Q246. % of the harvest of your target crop is used for harvest sold****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 100 Format: Numeric

**Q4002: Q4002. Did you take measures to prevent post-harvest loss for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	no
2	yes

**Q4002B: Q4002. B. Please indicate the tare post-harvest in percentage ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 2 Format: Numeric

**Q7013: Q7013. How do you deal with crop residue of ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	i leave the crop residue on the field

2	i burn the crop residue
3	i remove the crop residue and use it as compost
4	i remove the crop residue and leave it untreated
5	i remove the crop residue and export it off farm
6	other. specify:
7	i remove the crop residue and use a mechanical

### Q377: Q377. What is the estimated revenue in / for growing area A of ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2250 - 81000 Format: Numeric

### Q378: Q378. Could you please indicate the estimated revenue in general? /.

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1950 - 37500 Format: Numeric

### Q379: Q379.A Can you please explain your answer for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category
1	average
2	low
3	very low
4	high
5	very high



**Q379A: Q379. How would you rate your profitability for compared to past season?****Data file: Global\_farm\_data****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
About the same as former years	About the same as former years
About the same as former years,just so so	About the same as former years,just so so
About the same income as last year	About the same income as last year
Benefit is good	Benefit is good
Don't know	Don't know
Due to the flood, the yield declined.	Due to the flood, the yield declined.
Due to the flood, the yield declined. ,	Due to the flood, the yield declined. ,
Due to the flood, the yield declined. ,The yield was not good.	Due to the flood, the yield declined. ,The yield was not good.
Due to the flood, the yield declined. ,The yield was not good. The costs are high.	Due to the flood, the yield declined. ,The yield was not good. The costs are high.
Due to the flood, the yield declined. ,The yield was not good. the costs are high,	Due to the flood, the yield declined. ,The yield was not good. the costs are high,
Due to the flood, the yield declined.The price was Low.	Due to the flood, the yield declined.The price was Low.
Farming is just like this,the income is just so so	Farming is just like this,the income is just so so
I didn't make as much money as I expected.	I didn't make as much money as I expected.
I feel the price is low	I feel the price is low
I feel the price is too low,the cost is too high,no benefit	I feel the price is too low,the cost is too high,no benefit
It was generally fine,the costs are high,the price is a bit Low	It was generally fine,the costs are high,the price is a bit Low
It was generally fine,the price is a bit Low	It was generally fine,the price is a bit Low
Just so so,do not expect to make a fortune by farming	Just so so,do not expect to make a fortune by farming
Not bad,I can feed myself	Not bad,I can feed myself
The benefit is not good,the price is only half of former years	The benefit is not good,the price is only half of former years
The corn price is much lower than expectation	The corn price is much lower than expectation
The cost is high but the sales price is lower,I lose money	The cost is high but the sales price is lower,I lose money
The cost is high,the income is just so so	The cost is high,the income is just so so
The cost is high,the price and the income is just so so	The cost is high,the price and the income is just so so
The cost of pesticide and fertilizer is high,no much benefit	The cost of pesticide and fertilizer is high,no much benefit
The cost of pesticide and fertilizer is high,the benefit is just so so	The cost of pesticide and fertilizer is high,the benefit is just so so
The cost of pesticide and fertilizer is high,the benefit is lower	The cost of pesticide and fertilizer is high,the benefit is lower

The crop price is about the same as last year	The crop price is about the same as last year
The crop price is lower and the natural disaster,which affect the income	The crop price is lower and the natural disaster,which affect the income
The crop price is lower,I still have to pay the rent	The crop price is lower,I still have to pay the rent
The crop price is not bad	The crop price is not bad
The crop price is not high,and there is cost on pesticide and labor,I don't earn much	The crop price is not high,and there is cost on pesticide and labor,I don't earn much
The crop price is too low and there is too less buyers,sales is difficult	The crop price is too low and there is too less buyers,sales is difficult
The crop price is too low,higher is better	The crop price is too low,higher is better
The crop price is too low,only half of former year's price,the cost of labor,seed and fertilizer is high	The crop price is too low,only half of former year's price,the cost of labor,seed and fertilizer is high
The crop price is too low,only half of former year's price,the cost of labor,seed and fertilizer is high,buyers are too less	The crop price is too low,only half of former year's price,the cost of labor,seed and fertilizer is high,buyers are too less
The income is about the same as former years	The income is about the same as former years
The income is about the same as last year	The income is about the same as last year
The income is not bad	The income is not bad
The price and the income are about the same as former years	The price and the income are about the same as former years
The price is Low,hard to sell	The price is Low,hard to sell
The price is Low,less buyer	The price is Low,less buyer
The price is about the same as former years,not lower	The price is about the same as former years,not lower
The price is almost the same as last year	The price is almost the same as last year
The price is not bad	The price is not bad
The price is ok,I don't expect to make a fortune by farming	The price is ok,I don't expect to make a fortune by farming
The price is rather good	The price is rather good
The price was Low.	The price was Low.
The weather is too dry,the yield is lower,the price is also low	The weather is too dry,the yield is lower,the price is also low
The yield is good.	The yield is good.
The yield is just so so,the price is Low	The yield is just so so,the price is Low
The yield is lower,but the cost is higher,so the benefit is very little	The yield is lower,but the cost is higher,so the benefit is very little
The yield is lower,the price is lower,but the cost is higher,so the benefit is very little	The yield is lower,the price is lower,but the cost is higher,so the benefit is very little
The yield reduced a lot due to the dry weather	The yield reduced a lot due to the dry weather
The yield was all right, a few losses.The price was Low.	The yield was all right, a few losses.The price was Low.
The yield was alright.	The yield was alright.
The yield was alright.The price was Low.	The yield was alright.The price was Low.
The yield was not good.	The yield was not good.
The yield was not good. ,Due to the flood, the yield declined.	The yield was not good. ,Due to the flood, the yield declined.
The yield was not good. ,We spent more on weeding. the costs are high,	The yield was not good. ,We spent more on weeding. the costs are high,

The yield was not good. The price was Low.	The yield was not good. The price was Low.
There was flood this year,otherwise the benefit can be higher	There was flood this year,otherwise the benefit can be higher
There was so much rain this year that the income was lower than last year	There was so much rain this year that the income was lower than last year
There was too much rain this year,the income is lower than last year	There was too much rain this year,the income is lower than last year
There were so much rain this year that my income was lower than last year	There were so much rain this year that my income was lower than last year
Too much rain,otherwise I can earn more	Too much rain,otherwise I can earn more
Too much rain,the income is lower	Too much rain,the income is lower
Too much rain,the yield is lower,and the income is lower	Too much rain,the yield is lower,and the income is lower

### Q380: Q380. What is your total input cost for from first field preparation until harvest?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1125 - 135000 Format: Numeric

### Q4111\_1: Q4111. Actual costs SEEDS for ?/

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 10500 Format: Numeric

### Q4111\_2: Q4111. Actual costs FERTILIZERZ for ?/

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 105750 Format: Numeric

### Q4111\_3: Q4111. Actual costs LABOR for ?/

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 19500 Format: Numeric

**Q4111\_4: Q4111. Actual costs MACHINERY ?/****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 225000 Format: Numeric

**Q4111\_5: Q4111. Actual costs WATER USE for ?/****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 22530 Format: Numeric

**Q4111\_6: Q4111. Actual costs FUEL for ?/****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 3000 Format: Numeric

**Q4111\_7: Q4111. Actual costs RENT/LOAN for ?/****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 8700 Format: Numeric

**Q4111\_8: Q4111. Actual costs FUNGICIDES for ?/****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 3000 Format: Numeric

**Q4111\_9: Q4111. Actual costs HERBICIDES for ?/****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 7000 Format: Numeric

**Q4111\_10: Q4111. Actual costs INSECTICIDES ?/****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 15000 Format: Numeric

**Q4111\_98: Q4111. Actual costs DRYING for ?/****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 8250 Format: Numeric

**Q381\_1: Q381. Percentage of TREES/SEED costs out of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 50 Format: Numeric

**Q381\_2: Q381. Percentage of FERTILIZERS costs out of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 100 Format: Numeric

**Q381\_3: Q381. Percentage of PESTICIDES costs out of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 100 Format: Numeric

**Q381\_4: Q381. Percentage of LABOR costs out of the total input cost for ?****Data file:** Global\_farm\_data

**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 85    Format: Numeric

**Q381\_5: Q381. Percentage of MACHINERY costs of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 80    Format: Numeric

**Q381\_6: Q381. Percentage of WATER USE costs out of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 25    Format: Numeric

**Q381\_7: Q381. Percentage of FUEL costs out of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 36    Format: Numeric

**Q381\_8: Q381. Percentage of ELECTRICITY costs out of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 20    Format: Numeric

**Q381\_9: Q381. Percentage of GAS costs out of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 35    Format: Numeric

**Q381\_10: Q381. Percentage of RENT/LOAN costs out of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 53 Format: Numeric

**Q381\_98: Q381. Percentage of OTHER costs out of the total input cost for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 70 Format: Numeric

**Q4121: Q4121. In general for the whole cultivation period, rate the weather conditions for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	very favorable weather conditions
2	no favorable weather conditions
3	normal weather conditions

**Q387\_1: Q387. What was the impact for target crop? Reduced yield****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	mentioned
2	not mentioned

**Q387\_2: Q387. What was the impact for target crop? Reduced yield quality****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q387\_3: Q387. What was the impact for target crop? No impact****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q387\_96: Q387. What was the impact for target crop? Other. Specify 1:****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned



2	mentioned
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### Q387\_97: Q387. What was the impact for target crop? Other. Specify 2:

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q387\_99: Q387. What was the impact for target crop? Don't know / no answer

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q387\_OTH1: Q387.Other. Impact for growing area A on the ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
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1	sick
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### Q387\_OTH2: Q387.Other. Impact for growing area A on the ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	grow slowly

### Q388: Q388. How would you say the level of rainfall was for growing area A

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	somewhat more than usual
2	a lot less than usual
3	somewhat less than usual
4	a lot more than usual
5	the same as usual

### Q388B: Q388. B. You mentioned you had less rainfall this season than usual. Was this problematic?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	yes
2	no

**Q388D: Q388D. You mentioned you had more rainfall this season than usual. Was this problematic?**

**Data file:** Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	no
2	yes

**Q3880: Q3880. How would you say the temperature was during this season ?**

**Data file:** Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 6 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	somewhat higher than usual
2	the same as usual
3	somewhat lower than usual
4	a lot higher than usual
5	a lot lower than usual
6	other. specify:

**Q3880B: Q3880 B. You mentioned you had lower temperatures this season than usual. Was this problematic?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	no
2	yes

**Q3880D: Q3880 D. You mentioned you had higher temperatures this season than usual. Was this problematic?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	no
2	yes

**Q389: Q389. What is the MAIN water source of during this season?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	rain-fed (no equipment, only natural rainfall)

2	irrigated using irrigation equipment (e.g. rain,
3	other. specify 1:
4	swamp/wetland

**Q390: Q390. What is the number of days you have been irrigating ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.5 - 150 Format: Numeric

**Q391: Q391. What is the average amount of hours per day you have been irrigating of ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 24 Format: Numeric

**Q392: Q392. What is the amount of liters that is discharged per hour of ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1260000 Format: Numeric

**Q7016: Q7016. Please indicate what percentage of the area is irrigated for****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 100 Format: Numeric

**Q7017: Q7017. Which method of irrigation did you apply for ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 6 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	propelling water as rain
2	flooding the area
3	pivot irrigation system
4	micro-sprinklers that create a fog
5	dispersing drop by drop to the base of the plant
6	other, specify 1:

### Q399C: Q399.C. How satisfied are you with the crop program and/or recommendations for ?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	rather satisfied
2	very satisfied
3	not satisfied at all
4	rather unsatisfied

### DATE1: field preparation

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
2018-04-01	2018-04-01
2019-01-01	2019-01-01

2019-01-05	2019-01-05
2019-01-12	2019-01-12
2019-01-20	2019-01-20
2019-01-30	2019-01-30
2019-02-05	2019-02-05
2019-02-06	2019-02-06
2019-02-10	2019-02-10
2019-02-20	2019-02-20
2019-02-28	2019-02-28
2019-03-01	2019-03-01
2019-03-10	2019-03-10
2019-03-15	2019-03-15
2019-03-20	2019-03-20
2019-03-25	2019-03-25
2019-03-28	2019-03-28
2019-03-30	2019-03-30
2019-04-01	2019-04-01
2019-04-02	2019-04-02
2019-04-03	2019-04-03
2019-04-10	2019-04-10
2019-04-11	2019-04-11
2019-04-12	2019-04-12
2019-04-15	2019-04-15
2019-04-18	2019-04-18
2019-04-19	2019-04-19
2019-04-20	2019-04-20
2019-04-21	2019-04-21
2019-04-22	2019-04-22
2019-04-24	2019-04-24
2019-04-28	2019-04-28
2019-04-30	2019-04-30
2019-05-01	2019-05-01
2019-05-02	2019-05-02
2019-05-04	2019-05-04
2019-05-05	2019-05-05
2019-05-09	2019-05-09
2019-05-10	2019-05-10
2019-05-12	2019-05-12
2019-05-15	2019-05-15

2019-05-16	2019-05-16
2019-05-20	2019-05-20
2019-05-25	2019-05-25
2019-05-26	2019-05-26
2019-06-01	2019-06-01
2019-06-02	2019-06-02
2019-06-03	2019-06-03
2019-06-04	2019-06-04
2019-06-05	2019-06-05
2019-06-10	2019-06-10
2019-06-25	2019-06-25
2019-07-02	2019-07-02
2019-07-03	2019-07-03
2019-07-20	2019-07-20
2019-07-22	2019-07-22
2019-07-25	2019-07-25
2019-07-27	2019-07-27
2019-07-28	2019-07-28
2019-07-30	2019-07-30
2019-07-31	2019-07-31
2019-08-01	2019-08-01
2019-08-02	2019-08-02
2019-08-03	2019-08-03
2019-08-05	2019-08-05
2019-08-06	2019-08-06
2019-08-09	2019-08-09
2019-08-10	2019-08-10

## DATE2: sowing/planting

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
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2019-04-10	2019-04-10
2019-04-20	2019-04-20
2019-04-22	2019-04-22
2019-04-25	2019-04-25
2019-04-26	2019-04-26
2019-04-27	2019-04-27
2019-04-28	2019-04-28
2019-04-29	2019-04-29
2019-04-30	2019-04-30
2019-05-01	2019-05-01
2019-05-02	2019-05-02
2019-05-03	2019-05-03
2019-05-04	2019-05-04
2019-05-05	2019-05-05
2019-05-06	2019-05-06
2019-05-08	2019-05-08
2019-05-09	2019-05-09
2019-05-10	2019-05-10
2019-05-15	2019-05-15
2019-05-18	2019-05-18
2019-05-20	2019-05-20
2019-05-22	2019-05-22
2019-05-25	2019-05-25
2019-05-28	2019-05-28
2019-05-30	2019-05-30
2019-06-02	2019-06-02
2019-06-03	2019-06-03
2019-06-04	2019-06-04
2019-06-05	2019-06-05
2019-06-06	2019-06-06
2019-06-08	2019-06-08
2019-06-10	2019-06-10
2019-06-12	2019-06-12
2019-06-13	2019-06-13
2019-06-15	2019-06-15
2019-06-25	2019-06-25
2019-08-01	2019-08-01
2019-08-02	2019-08-02
2019-08-03	2019-08-03

2019-08-04	2019-08-04
2019-08-05	2019-08-05
2019-08-06	2019-08-06
2019-08-07	2019-08-07
2019-08-09	2019-08-09
2019-08-10	2019-08-10

### DATE3A: begin harvest

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

#### CATEGORIES

Value	Category
2019-09-01	2019-09-01
2019-09-03	2019-09-03
2019-09-05	2019-09-05
2019-09-08	2019-09-08
2019-09-10	2019-09-10
2019-09-13	2019-09-13
2019-09-15	2019-09-15
2019-09-16	2019-09-16
2019-09-17	2019-09-17
2019-09-18	2019-09-18
2019-09-19	2019-09-19
2019-09-20	2019-09-20
2019-09-21	2019-09-21
2019-09-22	2019-09-22
2019-09-23	2019-09-23
2019-09-25	2019-09-25
2019-09-26	2019-09-26
2019-09-27	2019-09-27
2019-09-29	2019-09-29
2019-10-01	2019-10-01
2019-10-02	2019-10-02

2019-10-03	2019-10-03
2019-10-04	2019-10-04
2019-10-05	2019-10-05
2019-10-06	2019-10-06
2019-10-07	2019-10-07
2019-10-08	2019-10-08
2019-10-10	2019-10-10
2019-10-11	2019-10-11
2019-10-12	2019-10-12
2019-10-13	2019-10-13
2019-10-15	2019-10-15
2019-10-16	2019-10-16
2019-10-17	2019-10-17
2019-10-18	2019-10-18
2019-10-20	2019-10-20
2019-10-21	2019-10-21
2019-10-22	2019-10-22
2019-10-23	2019-10-23
2019-10-24	2019-10-24
2019-10-25	2019-10-25
2019-10-26	2019-10-26
2019-10-27	2019-10-27
2019-10-28	2019-10-28
2019-10-29	2019-10-29
2019-11-01	2019-11-01
2019-11-02	2019-11-02
2019-11-03	2019-11-03
2019-11-04	2019-11-04
2019-11-05	2019-11-05
2019-11-07	2019-11-07
2019-11-08	2019-11-08
2019-11-09	2019-11-09
2019-11-10	2019-11-10
2019-11-11	2019-11-11
2019-11-12	2019-11-12
2019-11-13	2019-11-13
2019-11-16	2019-11-16
2019-11-21	2019-11-21
2019-11-26	2019-11-26

**DATE3B: end harvest****Data file: Global\_farm\_data****Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
2019-09-04	2019-09-04
2019-09-05	2019-09-05
2019-09-12	2019-09-12
2019-09-13	2019-09-13
2019-09-15	2019-09-15
2019-09-16	2019-09-16
2019-09-17	2019-09-17
2019-09-18	2019-09-18
2019-09-20	2019-09-20
2019-09-21	2019-09-21
2019-09-22	2019-09-22
2019-09-23	2019-09-23
2019-09-24	2019-09-24
2019-09-25	2019-09-25
2019-09-27	2019-09-27
2019-09-30	2019-09-30
2019-10-02	2019-10-02
2019-10-03	2019-10-03
2019-10-04	2019-10-04
2019-10-05	2019-10-05
2019-10-06	2019-10-06
2019-10-07	2019-10-07
2019-10-08	2019-10-08
2019-10-09	2019-10-09
2019-10-10	2019-10-10
2019-10-11	2019-10-11
2019-10-12	2019-10-12
2019-10-13	2019-10-13

2019-10-15	2019-10-15
2019-10-16	2019-10-16
2019-10-17	2019-10-17
2019-10-18	2019-10-18
2019-10-19	2019-10-19
2019-10-20	2019-10-20
2019-10-21	2019-10-21
2019-10-22	2019-10-22
2019-10-23	2019-10-23
2019-10-24	2019-10-24
2019-10-25	2019-10-25
2019-10-26	2019-10-26
2019-10-27	2019-10-27
2019-10-29	2019-10-29
2019-10-30	2019-10-30
2019-11-01	2019-11-01
2019-11-02	2019-11-02
2019-11-03	2019-11-03
2019-11-04	2019-11-04
2019-11-05	2019-11-05
2019-11-06	2019-11-06
2019-11-08	2019-11-08
2019-11-09	2019-11-09
2019-11-10	2019-11-10
2019-11-11	2019-11-11
2019-11-12	2019-11-12
2019-11-13	2019-11-13
2019-11-14	2019-11-14
2019-11-15	2019-11-15
2019-11-16	2019-11-16
2019-11-20	2019-11-20
2019-11-21	2019-11-21
2019-11-26	2019-11-26
2019-11-28	2019-11-28

## **HARVESTYEAR: Data collection wave**

**Data file: Global\_farm\_data**

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2014 - 2019 Format: Numeric

### Q215: Q215. When did the first field preparation start for cauliflower?

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
2014-02-10	2014-02-10
2014-02-12	2014-02-12
2014-02-14	2014-02-14
2014-02-15	2014-02-15
2014-02-18	2014-02-18
2014-02-20	2014-02-20
2014-02-25	2014-02-25
2014-02-28	2014-02-28
2014-03-01	2014-03-01
2014-03-02	2014-03-02
2014-03-03	2014-03-03
2014-03-04	2014-03-04
2014-03-05	2014-03-05
2014-03-07	2014-03-07
2014-03-10	2014-03-10
2014-03-12	2014-03-12
2014-03-13	2014-03-13
2014-03-14	2014-03-14
2014-03-15	2014-03-15
2014-03-17	2014-03-17
2014-03-19	2014-03-19
2014-03-20	2014-03-20
2014-03-21	2014-03-21
2014-03-25	2014-03-25
2014-04-01	2014-04-01

2014-04-02	2014-04-02
2014-04-03	2014-04-03
2014-04-05	2014-04-05
2014-04-06	2014-04-06
2014-04-10	2014-04-10
2014-04-14	2014-04-14
2014-04-15	2014-04-15
2014-04-18	2014-04-18
2014-04-19	2014-04-19
2014-04-20	2014-04-20
2014-04-21	2014-04-21
2014-04-22	2014-04-22
2014-04-23	2014-04-23
2014-04-24	2014-04-24
2014-04-25	2014-04-25
2014-04-26	2014-04-26
2014-04-27	2014-04-27
2014-04-28	2014-04-28
2014-04-29	2014-04-29
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02
2014-05-03	2014-05-03
2014-05-04	2014-05-04
2014-05-05	2014-05-05
2014-05-06	2014-05-06
2014-05-08	2014-05-08
2014-05-09	2014-05-09
2014-05-10	2014-05-10
2014-05-15	2014-05-15
2014-06-07	2014-06-07
2014-06-10	2014-06-10
2014-06-13	2014-06-13
2014-06-15	2014-06-15
2014-06-20	2014-06-20
2014-06-28	2014-06-28
2014-06-30	2014-06-30
2014-07-02	2014-07-02
2014-07-03	2014-07-03

2014-07-04	2014-07-04
2014-07-05	2014-07-05
2014-07-06	2014-07-06
2014-07-08	2014-07-08
2014-07-10	2014-07-10
2014-07-11	2014-07-11
2014-07-12	2014-07-12
2014-07-13	2014-07-13
2014-07-14	2014-07-14
2014-07-15	2014-07-15
2014-07-16	2014-07-16
2014-07-17	2014-07-17

## Q218: Q218. When have the young plants been planted for cauliflower?

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
2014-03-04	2014-03-04
2014-03-08	2014-03-08
2014-03-10	2014-03-10
2014-03-17	2014-03-17
2014-03-18	2014-03-18
2014-03-22	2014-03-22
2014-03-24	2014-03-24
2014-04-02	2014-04-02
2014-04-04	2014-04-04
2014-04-05	2014-04-05
2014-04-06	2014-04-06
2014-04-08	2014-04-08
2014-04-09	2014-04-09
2014-04-10	2014-04-10
2014-04-15	2014-04-15



2014-04-19	2014-04-19
2014-04-20	2014-04-20
2014-04-21	2014-04-21
2014-04-22	2014-04-22
2014-04-23	2014-04-23
2014-04-24	2014-04-24
2014-04-25	2014-04-25
2014-04-26	2014-04-26
2014-04-27	2014-04-27
2014-04-28	2014-04-28
2014-04-29	2014-04-29
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02
2014-05-03	2014-05-03
2014-05-04	2014-05-04
2014-05-05	2014-05-05
2014-05-06	2014-05-06
2014-05-07	2014-05-07
2014-05-08	2014-05-08
2014-05-09	2014-05-09
2014-05-10	2014-05-10
2014-05-11	2014-05-11
2014-05-12	2014-05-12
2014-05-13	2014-05-13
2014-05-15	2014-05-15
2014-05-18	2014-05-18
2014-05-20	2014-05-20
2014-05-25	2014-05-25
2014-06-02	2014-06-02
2014-06-04	2014-06-04
2014-06-13	2014-06-13
2014-06-14	2014-06-14
2014-06-15	2014-06-15
2014-06-24	2014-06-24
2014-06-30	2014-06-30
2014-07-03	2014-07-03
2014-07-04	2014-07-04
2014-07-05	2014-07-05

2014-07-06	2014-07-06
2014-07-07	2014-07-07
2014-07-08	2014-07-08
2014-07-09	2014-07-09
2014-07-10	2014-07-10
2014-07-11	2014-07-11
2014-07-12	2014-07-12
2014-07-13	2014-07-13
2014-07-14	2014-07-14
2014-07-15	2014-07-15
2014-07-16	2014-07-16
2014-07-17	2014-07-17
2014-07-18	2014-07-18
2014-07-20	2014-07-20
2014-07-24	2014-07-24

#### Q4000\_1: q4000\_1. To whom do you sell your yield - I sell it on the local market

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

#### Q4000\_2: q4000\_2. To whom do you sell your yield - I sell it to a trader

Data file: Global\_farm\_data

##### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q4000\_3: q4000\_3. To whom do you sell your yield - I sell it to a wholesaler

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q4000\_4: q4000\_4. To whom do you sell your yield - I sell it to a feed processing plant

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q4000\_5: q4000\_5. To whom do you sell your yield - I sell it to a cooperative I am part of

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	mentioned
2	not mentioned

### Q4000\_6: q4000\_6. To whom do you sell your yield -I sell it under a contract

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q4000\_7: q4000\_7. To whom do you sell your yield -Government owned rural collection center

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q4000\_96: q4000\_96. To whom do you sell your yield -Other. Specify 1:

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

## Q4000\_99: q4000\_99. To whom do you sell your yield -Don't know / no answer

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

## Q4000\_OTH1: Q4000b. Can you please tell us what are your main sources for selling the harvest? Other. Specify 1

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
Grain purchase station	Grain purchase station
distributor	distributor
farmer	farmer

**Q389\_1: q389\_1. Which water source has been used for irrigation? Private connection to pipeline****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q389\_2: q389\_2. Which water source has been used for irrigation? Private well****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q389\_3: q389\_3. Which water source has been used for irrigation? Private borehole****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q389\_4: q389\_4. Which water source has been used for irrigation? Public river, stream****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	mentioned
2	not mentioned

**Q389\_5: q389\_5. Which water source has been used for irrigation? Public lake, pond****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned
2	mentioned

**Q389\_96: q389\_96. Which water source has been used for irrigation? Other specify 1:****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	not mentioned

2	mentioned
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### Q389\_99: q389\_99. Which water source has been used for irrigation? Don't know / no answer

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

### Q389\_OTH1: q389\_96. Which water source has been used for irrigation? Other specify 1:

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

##### CATEGORIES

Value	Category
electric drainage,underground water	electric drainage,underground water
underground water	underground water

### Q399: Q399. Please explain why you follow or do not follow the crop program and/or recommendations.

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

#### Questions and instructions

##### CATEGORIES



Value	Category
According to practical situation	According to practical situation
According to previous experiences,Syngenta protocol bring benefit to farmers	According to previous experiences,Syngenta protocol bring benefit to farmers
After the recommendation, we use it.	After the recommendation, we use it.
Agricultural consultants have scientific basis	Agricultural consultants have scientific basis
Applying fertilizer	Applying fertilizer
Applying pesticides and field management were followed the protocol.	Applying pesticides and field management were followed the protocol.
Because all of us follow this protocol.	Because all of us follow this protocol.
Because everyone use this way.	Because everyone use this way.
Because of enthusiasm, standard operating procedures	Because of enthusiasm, standard operating procedures
Because the agricultural consultant has recommended it, I just use it.	Because the agricultural consultant has recommended it, I just use it.
Because the agriculture consultant explains it reasonably, and we always do it like this.	Because the agriculture consultant explains it reasonably, and we always do it like this.
Because the agriculture consultant advised it	Because the agriculture consultant advised it
Because the agriculture consultant recommends it, we follow this way.	Because the agriculture consultant recommends it, we follow this way.
Because the plant proposal advised by agriculture consultant is scientific	Because the plant proposal advised by agriculture consultant is scientific
Because the plant proposal advised by agriculture consultant is scientific ,and we follow this all the time	Because the plant proposal advised by agriculture consultant is scientific ,and we follow this all the time
Because the yield is high	Because the yield is high
Because there are technicians to do the test, more scientific	Because there are technicians to do the test, more scientific
Because there is technician.	Because there is technician.
Because what the agricultural consultant said is reasonable, and we also do it in this way before.	Because what the agricultural consultant said is reasonable, and we also do it in this way before.
Beneficial reference	Beneficial reference
Benefit is good	Benefit is good
Calaris was too expensive	Calaris was too expensive
Can bring high yield	Can bring high yield
Can grow potato scientifically,ensure the quality and yield	Can grow potato scientifically,ensure the quality and yield
Can improve the yield	Can improve the yield
Can reduce pest and disease	Can reduce pest and disease
Do new trial	Do new trial
Doubtful	Doubtful
Effective,scientific	Effective,scientific
Every one says it is good.	Every one says it is good.
Everyone does it like this.	Everyone does it like this.
Everyone follows this proposal.	Everyone follows this proposal.
Everyone is using this protocol.	Everyone is using this protocol.

Everyone says it is good.	Everyone says it is good.
Everyone thinks this proposal is good	Everyone thinks this proposal is good
Everyone use this proposal	Everyone use this proposal
Everyone uses this proposal	Everyone uses this proposal
Follow as it's professional.	Follow as it's professional.
Follow the protocol and it can improve the yield.	Follow the protocol and it can improve the yield.
Follow the solution can make soil more healthy and productive, but at a higher cost.	Follow the solution can make soil more healthy and productive, but at a higher cost.
Free	Free
Full compliance with the recommendations is too costly and costs will increase, but the recommendations are still very scientific.	Full compliance with the recommendations is too costly and costs will increase, but the recommendations are still very scientific.
Good	Good
Good for harvest	Good for harvest
Good for high yield	Good for high yield
Good for the soil,can earn money	Good for the soil,can earn money
Good for the soil,the yield is high	Good for the soil,the yield is high
Good program	Good program
Good, effective	Good, effective
Harvest	Harvest
Have free trial activity	Have free trial activity
He has cultivation knowledge,he can help me increase the yield and farm scientifically	He has cultivation knowledge,he can help me increase the yield and farm scientifically
He has technology. I believe farming scientifically	He has technology. I believe farming scientifically
He is a technicia,He has knowledge,and can increase the yield	He is a technicia,He has knowledge,and can increase the yield
He is a technician,and knows how to apply farming technology	He is a technician,and knows how to apply farming technology
Hope to increase output.	Hope to increase output.
I adjust according to practical situation	I adjust according to practical situation
I always do it in this way.	I always do it in this way.
I always do it like this.	I always do it like this.
I always grow it like this and needn't any protocol.	I always grow it like this and needn't any protocol.
I always use my own way to grow.	I always use my own way to grow.
I believe farming scientificaaly, I dare to try,in fact the effect is good, the yield has improved as well as quality	I believe farming scientificaaly, I dare to try,in fact the effect is good, the yield has improved as well as quality
I chose part of it.	I chose part of it.
I didn't use all recommended pesticides.	I didn't use all recommended pesticides.
I don't believe it.	I don't believe it.
I feel it is good	I feel it is good
I feel some protocols are not suitable for me	I feel some protocols are not suitable for me
I follow because I feel I can get benifit	I follow because I feel I can get benifit

I follow because I feel it is good	I follow because I feel it is good
I followed both solution and my own experience.	I followed both solution and my own experience.
I grow less potato	I grow less potato
I had followed the protocol to cover film.	I had followed the protocol to cover film.
I have decades of experience in farming.	I have decades of experience in farming.
I have grown for a long time and I know how to grow it.	I have grown for a long time and I know how to grow it.
I have grown the crops for such a long time and I know how to grow.	I have grown the crops for such a long time and I know how to grow.
I have my own experience	I have my own experience
I have my own experience,but I will follow the useful recommend.	I have my own experience,but I will follow the useful recommend.
I have my own idea.	I have my own idea.
I have my own method	I have my own method
I have my own method and experience.	I have my own method and experience.
I have my own method.	I have my own method.
I have my own technology.	I have my own technology.
I know how to do	I know how to do
I know very well in my heart.	I know very well in my heart.
I only use the seeds and fertilizers,and part of the pesticides.	I only use the seeds and fertilizers,and part of the pesticides.
I use it as it is recommended.	I use it as it is recommended.
I will combine it with my own experience.	I will combine it with my own experience.
I will follow if the effect is good	I will follow if the effect is good
I will follow if the effect is good and yield is high	I will follow if the effect is good and yield is high
I will grow it in the original method.	I will grow it in the original method.
I will use more dosage of pesticide than the protocol because I don't know the degree of pests and diseases	I will use more dosage of pesticide than the protocol because I don't know the degree of pests and diseases
I would looked at the situation	I would looked at the situation
Increase production and effection.	Increase production and effection.
Increase production.	Increase production.
Increased production and income.	Increased production and income.
It can be reference	It can be reference
It can increase production and income.	It can increase production and income.
It can increase production and reduce the occur of pests and diseases.	It can increase production and reduce the occur of pests and diseases.
It can increase the production	It can increase the production
It didn't work	It didn't work
It help us increase production.	It help us increase production.
It is free to surport the technique guideness.	It is free to surport the technique guideness.
It is not necessary.	It is not necessary.
It is scientific	It is scientific

It is useful because it is recommended by the consultant.	It is useful because it is recommended by the consultant.
It made the soil more healthy, and it helped me have a good harvest.	It made the soil more healthy, and it helped me have a good harvest.
It seems reasonable	It seems reasonable
It should be done like this if grown this brand.	It should be done like this if grown this brand.
It suggested me to change alternate husbandry, but I didn't for there was too busy.	It suggested me to change alternate husbandry, but I didn't for there was too busy.
It tells application time and dosage	It tells application time and dosage
It was technical	It was technical
It writed the wrong dosage	It writed the wrong dosage
It's good for high yield	It's good for high yield
It's hard to say	It's hard to say
It's not bad	It's not bad
It's partly useful	It's partly useful
It's pratical	It's pratical
It's right method.	It's right method.
It's too drought to grow corn well.	It's too drought to grow corn well.
It's very well	It's very well
Make sense	Make sense
NA	NA
Needn't spend money to participate in the compaign.	Needn't spend money to participate in the compaign.
No answer	No answer
No need	No need
No need to use it? and I have done it myself for such a long time, and have kown how to grow.	No need to use it? and I have done it myself for such a long time, and have kown how to grow.
None	None
Not necessary.	Not necessary.
Output was assured	Output was assured
Part of it was useful.	Part of it was useful.
Possibly high output.	Possibly high output.
Proposal	Proposal
Rather good,scientific	Rather good,scientific
Reasonable arrangement, scientific	Reasonable arrangement, scientific
Reasonable planting density is beneficial to crop growth and yield	Reasonable planting density is beneficial to crop growth and yield
Rely on my own experience partly	Rely on my own experience partly
Save effort and increase production.	Save effort and increase production.
Scientific farming	Scientific farming
Scientific farming can reduce diseases and pests, and it also can increase the utilization of soil.	Scientific farming can reduce diseases and pests, and it also can increase the utilization of soil.
Scientific method of growing	Scientific method of growing

Some part should follow practical situation	Some part should follow practical situation
Some suggestions are not suit for practical situation	Some suggestions are not suit for practical situation
Some suggestions are unreasonable,the cost is too high	Some suggestions are unreasonable,the cost is too high
Something in protocol seems very reasonable, so I followes	Something in protocol seems very reasonable, so I followes
Sometimes I feel own experience is better	Sometimes I feel own experience is better
Sometimes it is hard to follow the crop program.	Sometimes it is hard to follow the crop program.
Sometimes it was not accurate.	Sometimes it was not accurate.
Sometimes, it was difficult to arrange in time, so I can't follow it completely.	Sometimes, it was difficult to arrange in time, so I can't follow it completely.
Sometimes, it was difficult to arrange in time, so I didn't follow it.	Sometimes, it was difficult to arrange in time, so I didn't follow it.
Thanks to this protocol, the quality and quantity of output from my field advanced.	Thanks to this protocol, the quality and quantity of output from my field advanced.
The advise is very scientific and good	The advise is very scientific and good
The agricultural technique of agricultrual consultant is good.	The agricultural technique of agricultrual consultant is good.
The agriculture consultant has the scientific evidance.	The agriculture consultant has the scientific evidance.
The cost is high	The cost is high
The cost is too high, so I followed my own experience sometimes.	The cost is too high, so I followed my own experience sometimes.
The cost is too high.	The cost is too high.
The cost of pesticide is too high	The cost of pesticide is too high
The experts have much experience.	The experts have much experience.
The experts have much experiences.	The experts have much experiences.
The gorverment has arranged, and I just do it.	The gorverment has arranged, and I just do it.
The investment of the complete program is too high, I can't afford, my fields are scattered.	The investment of the complete program is too high, I can't afford, my fields are scattered.
The materials are too detail to practical operation.	The materials are too detail to practical operation.
The national policy is like this, and afer I tried it, it is very good, so I just do it like this.	The national policy is like this, and afer I tried it, it is very good, so I just do it like this.
The pesticide price is too expensive	The pesticide price is too expensive
The pests and diseases are controlled well.	The pests and diseases are controlled well.
The protocol is good for plant growth and harvest	The protocol is good for plant growth and harvest
The protocol recommended by the consultant is useful.	The protocol recommended by the consultant is useful.
The recommended method should be good.	The recommended method should be good.
The recommended protocal is good.	The recommended protocal is good.
The solution is suitable for farmers. If farmers can grow in strict accordance with the plan, they can achieve the effect of increasing production	The solution is suitable for farmers. If farmers can grow in strict accordance with the plan, they can achieve the effect of increasing production
The suggestion is good.	The suggestion is good.
The yield can be high	The yield can be high
The yield can be high,so I followed	The yield can be high,so I followed
The yield is high	The yield is high

The yield is high and the pests and disease reduced	The yield is high and the pests and disease reduced
The yield must be ensured	The yield must be ensured
There are experienced experts guiding, so we have confidence.	There are experienced experts guiding, so we have confidence.
There is no need to consult since we have been seeding for so long.	There is no need to consult since we have been seeding for so long.
There is no this protocol.	There is no this protocol.
There was drought and the price of corn was low this year.	There was drought and the price of corn was low this year.
There was drought this year, the crops grew bad.	There was drought this year, the crops grew bad.
They know technology and are trustworthy.	They know technology and are trustworthy.
This brand was not grown before, so my experience is less.	This brand was not grown before, so my experience is less.
This brand was not grown before.	This brand was not grown before.
This is the guidance that the technicians have specifically made, and it is indeed time to apply pesticides.	This is the guidance that the technicians have specifically made, and it is indeed time to apply pesticides.
This method was not bad	This method was not bad
This program was great, my crops grew much better followed the protocol.	This program was great, my crops grew much better followed the protocol.
Too complicated,I personally think it's not necessary to follow all steps.	Too complicated,I personally think it's not necessary to follow all steps.
Uncertain	Uncertain
Use seed from syngenta, I should plant it follow the protocol.	Use seed from syngenta, I should plant it follow the protocol.
Useful,can increase the yield.	Useful,can increase the yield.
Very useful.	Very useful.
We always follow our own way to grow, and we always do it in this way.	We always follow our own way to grow, and we always do it in this way.
We always follow this protocol.	We always follow this protocol.
We always grow in this way, and we don't need any other protocol.	We always grow in this way, and we don't need any other protocol.
We always grow in this way.	We always grow in this way.
We do like this all the time	We do like this all the time
We don't know how to do with the given seed without paving geomembrane.	We don't know how to do with the given seed without paving geomembrane.
We don't need it	We don't need it
We don't need it, as we have grown the crops for such as long time and we know how to grow.	We don't need it, as we have grown the crops for such as long time and we know how to grow.
We don't need it,we know how to do since we grow it for a long time	We don't need it,we know how to do since we grow it for a long time
We follow this after the test come to good, as well as it's national policy.	We follow this after the test come to good, as well as it's national policy.
We have been following our own methods,just like this.	We have been following our own methods,just like this.
We have grown crop like this way every year, but we followed the planting density from protocol this year, it reduced the risk of yield.declined.	We have grown crop like this way every year, but we followed the planting density from protocol this year, it reduced the risk of yield.declined.

We have grown in this way for a long time, and there's no need to ask this question.	We have grown in this way for a long time, and there's no need to ask this question.
We have grown the crops for such a long time, and we know know to grow.	We have grown the crops for such a long time, and we know know to grow.
We still use the old way to grow the crops.	We still use the old way to grow the crops.
We use the old way to fram	We use the old way to fram
What the consultant advised is useful.	What the consultant advised is useful.
according to local conditions	according to local conditions
according to my condition.	according to my condition.
according to my own experience	according to my own experience
according to my own experience and the weather.	according to my own experience and the weather.
according to my previous experience	according to my previous experience
according to protocol and the real situation,mostly followed	according to protocol and the real situation,mostly followed
adjust measures to local conditions	adjust measures to local conditions
advise that add own idea,it would be better	advise that add own idea,it would be better
being a farmer allows me a lot of spare time.	being a farmer allows me a lot of spare time.
believe science,have a try	believe science,have a try
case by case	case by case
combine this year's wheather	combine this year's wheather
comprehensive consideration	comprehensive consideration
consider every aspect and the possibility of plans to implement	consider every aspect and the possibility of plans to implement
consider the cost	consider the cost
consider this year's wheather	consider this year's wheather
consideration of cost and field condition	consideration of cost and field condition
cost is high	cost is high
depends on the weather	depends on the weather
effective	effective
farming scientifically	farming scientifically
field management,select good seed variety	field management,select good seed variety
follow the method and experience	follow the method and experience
follow the protocol make me confident of success	follow the protocol make me confident of success
good	good
good advice should be accept	good advice should be accept
good advice should be followed	good advice should be followed
good for myself	good for myself
good suggestions	good suggestions
i would follow the reasonable suggestions.	i would follow the reasonable suggestions.
improve the yield against the drought.	improve the yield against the drought.
improve yield	improve yield

it used well before, I don't want to give up	it used well before, I don't want to give up
it's alright.	it's alright.
it's useful	it's useful
maximize profit	maximize profit
membranae tectoria and potassic fertilizer	membranae tectoria and potassic fertilizer
none	none
not all reasonable	not all reasonable
not good	not good
not practical	not practical
only follow it the yield can be high	only follow it the yield can be high
only the weather is fit that I can follow	only the weather is fit that I can follow
particular analysis combined with the actual case	particular analysis combined with the actual case
reasonable advice	reasonable advice
refer to the label dosage,depends on the weather	refer to the label dosage,depends on the weather
refer to the label dosage,depends on the weather .	refer to the label dosage,depends on the weather .
roughly the same.	roughly the same.
scientific management	scientific management
see the effect is good or not	see the effect is good or not
take precautions against pests and diseases	take precautions against pests and diseases
the alarm of precautions against pests and diseases is timely	the alarm of precautions against pests and diseases is timely
the approach it suggested is effective and scientific	the approach it suggested is effective and scientific
the cost and the wheather should be take into consideration	the cost and the wheather should be take into consideration
the cost is high.	the cost is high.
the cost should be take into consideration	the cost should be take into consideration
the suggestions are professional and reasonable.	the suggestions are professional and reasonable.
the timing of CP products application,application times	the timing of CP products application,application times
to see if the effect is good or not, if good, I will follow	to see if the effect is good or not, if good, I will follow
too expensive, cost too much	too expensive, cost too much
useful	useful
useful suggestions	useful suggestions
very good,rather scientific	very good,rather scientific
want to improve quality and yield, so just have a try	want to improve quality and yield, so just have a try
we need to farm scientifically	we need to farm scientifically
we needn't ask because wo have grown for such long time.	we needn't ask because wo have grown for such long time.
weed pressure level is low.	weed pressure level is low.



**Q397: Q397. Received a recommended growing protocol or crop program from an agricultural advisor?****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	yes
2	no

**Q397B\_OTH1: Q397B. From whom did you receive the protocol/crop program? Other 1****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
Village committee	Village committee

**Q397C: Q397C. Did you receive a protocol/crop program from Syngenta?****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	yes
2	no

## Q397D\_OTH: Q397.D. From which manufacturer have you received a protocol/crop program? OTHER

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
confidential	confidential

## Q35A\_1: Q35.A. What group/association/cooperative are a member of? 1ST

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
0	0
2nd team, 2nd branch farm, Quyuan Farm	2nd team, 2nd branch farm, Quyuan Farm
?? Family Farm	?? Family Farm
Baoyu corn lanting professional cooperatives	Baoyu corn lanting professional cooperatives
Beigang Village Rural Cooperative	Beigang Village Rural Cooperative
Big team	Big team
Bingyu Growing Cooperation	Bingyu Growing Cooperation
Bingyu planting Cooperative farm	Bingyu planting Cooperative farm
Bingyu planting cooperatives	Bingyu planting cooperatives
Boda agriculture cooperatives	Boda agriculture cooperatives
Changming Family Farm	Changming Family Farm
Changzhou Taile Cooperative	Changzhou Taile Cooperative
Changzhou Taile cooperative	Changzhou Taile cooperative
Chen Yizhong, Hao Jiangfeng?Chen Meifen Group	Chen Yizhong, Hao Jiangfeng?Chen Meifen Group
Chenfugui Farm	Chenfugui Farm

Chuanyin Farm	Chuanyin Farm
Crop Protection Cooperative	Crop Protection Cooperative
Dafeng Agriculture	Dafeng Agriculture
Daiyuhe Family Farm	Daiyuhe Family Farm
Daiyushan Family Farm	Daiyushan Family Farm
Dejiang Family Farm	Dejiang Family Farm
Dingxi Village Cooperative	Dingxi Village Cooperative
Fanqi Corn Cooperative	Fanqi Corn Cooperative
Feibao Manor Xingnong Cultivation Speciality Cooperative	Feibao Manor Xingnong Cultivation Speciality Cooperative
Fengshou Family Farm	Fengshou Family Farm
Fengshuo Pesticide Cooperation	Fengshuo Pesticide Cooperation
Fengsuo grain and cotton professional planting cooperatives	Fengsuo grain and cotton professional planting cooperatives
Fuguorui Cooperative	Fuguorui Cooperative
Full grain Professional planting cooperatives	Full grain Professional planting cooperatives
Fuyu Family Farm	Fuyu Family Farm
Guichun Family Farm	Guichun Family Farm
Guoyubo Family Farm	Guoyubo Family Farm
Hansheng Cooperative	Hansheng Cooperative
Heiqi Agriculture Cooperation	Heiqi Agriculture Cooperation
Henong Cooperative	Henong Cooperative
Hezhong Cooperation	Hezhong Cooperation
Hezhong Cooperative	Hezhong Cooperative
Hezhong cooperation	Hezhong cooperation
Hongda Farm	Hongda Farm
I don't know	I don't know
Jianfeng Crop Cultivation Family Cooperative	Jianfeng Crop Cultivation Family Cooperative
Jianfeng Family farm	Jianfeng Family farm
Jinniu Agriculture Cooperative	Jinniu Agriculture Cooperative
Jinniu Cooperative	Jinniu Cooperative
Jinniu Cultivation Professional Cooperative	Jinniu Cultivation Professional Cooperative
Kanglu Cooperative	Kanglu Cooperative
Lai'an County Chen Guangui farm	Lai'an County Chen Guangui farm
Lai'an County Chuanyin Farm	Lai'an County Chuanyin Farm
Lai'an County Crop Protection Cooperative	Lai'an County Crop Protection Cooperative
Lai'an County Dai Yuhe Family Farm	Lai'an County Dai Yuhe Family Farm
Lai'an County Dai Yushan Family Farm	Lai'an County Dai Yushan Family Farm
Lai'an County Deshan Family Farm	Lai'an County Deshan Family Farm
Lai'an County Guo Yubo Family Farm	Lai'an County Guo Yubo Family Farm
Lai'an County Harvest Family Farm	Lai'an County Harvest Family Farm

Lai'an County Hongda Farm	Lai'an County Hongda Farm
Lai'an County Kanglu Cooperative	Lai'an County Kanglu Cooperative
Lai'an County Lv Zheng Family Farm	Lai'an County Lv Zheng Family Farm
Lai'an County Lv Zuqiang Farm	Lai'an County Lv Zuqiang Farm
Lai'an County New Hope Farm	Lai'an County New Hope Farm
Lai'an County Sun Renlin Family Farm	Lai'an County Sun Renlin Family Farm
Lai'an County Weishan Family Farm	Lai'an County Weishan Family Farm
Lai'an County Xiujun Cooperative	Lai'an County Xiujun Cooperative
Lai'an County Yuming Farm	Lai'an County Yuming Farm
Lai'an County Zhengli Family Farm	Lai'an County Zhengli Family Farm
Lai'an County Zhifu Farm	Lai'an County Zhifu Farm
Lai'an County Zhiyuan Farm	Lai'an County Zhiyuan Farm
Lai'an County Zhu Mingbo Family Farm	Lai'an County Zhu Mingbo Family Farm
Lai'an County Zhu Mingde Family Farm	Lai'an County Zhu Mingde Family Farm
Laian County Bumper Harvest Family Farm	Laian County Bumper Harvest Family Farm
Laian County Chenfugui Farm	Laian County Chenfugui Farm
Laian County Chuanyin Farm	Laian County Chuanyin Farm
Laian County Crop Protection Cooperative	Laian County Crop Protection Cooperative
Laian County Daiyuhe Family Farm	Laian County Daiyuhe Family Farm
Laian County Daiyushan Family Farm	Laian County Daiyushan Family Farm
Laian County Dejiang Family Farm	Laian County Dejiang Family Farm
Laian County Deshan Family Farm	Laian County Deshan Family Farm
Laian County Guo Yubo Family Farm	Laian County Guo Yubo Family Farm
Laian County Guoyubo Family Farm	Laian County Guoyubo Family Farm
Laian County Hongda Farm	Laian County Hongda Farm
Laian County Kanglu Cooperative	Laian County Kanglu Cooperative
Laian County Lizheng Family Farm	Laian County Lizheng Family Farm
Laian County Lv Zuqiang Farm	Laian County Lv Zuqiang Farm
Laian County Lvzhuqiang Farm	Laian County Lvzhuqiang Farm
Laian County New Hope Farm	Laian County New Hope Farm
Laian County Sun Renlin Family Farm	Laian County Sun Renlin Family Farm
Laian County Sunrenlin Family Farm	Laian County Sunrenlin Family Farm
Laian County Weishan Family Farm	Laian County Weishan Family Farm
Laian County Xiujun Cooperative	Laian County Xiujun Cooperative
Laian County Yuming Farm	Laian County Yuming Farm
Laian County Zhengli Family Farm	Laian County Zhengli Family Farm
Laian County Zhifu Farm	Laian County Zhifu Farm
Laian County Zhiyuan Farm	Laian County Zhiyuan Farm
Laian County Zhu Mingde Family Farm	Laian County Zhu Mingde Family Farm

Laian County Zhumingbo Family Farm	Laian County Zhumingbo Family Farm
Laian County Zhumingde Family Farm	Laian County Zhumingde Family Farm
Lianfeng High quality corn cooperatives	Lianfeng High quality corn cooperatives
Liyang City Shuisheng Agricultural Machinery Cooperative	Liyang City Shuisheng Agricultural Machinery Cooperative
Liyang Shuisheng Agriculture Machine Professional Cooperation	Liyang Shuisheng Agriculture Machine Professional Cooperation
Lizheng Family Farm	Lizheng Family Farm
Lvyuan Cooperation	Lvyuan Cooperation
Lvyuan cooperatives	Lvyuan cooperatives
Lvzheng Family Farm	Lvzheng Family Farm
Majing Cooperation	Majing Cooperation
Majing farm	Majing farm
Meidong Family Farm	Meidong Family Farm
Mengqiu grain professional planting cooperatives	Mengqiu grain professional planting cooperatives
Nansu Village Cooperation	Nansu Village Cooperation
New Hope Farm	New Hope Farm
Ningjin County Mengqiu Crop Growing Cooperation	Ningjin County Mengqiu Crop Growing Cooperation
Ningjin County Shuangyuan Growing Cooperation	Ningjin County Shuangyuan Growing Cooperation
None	None
Ruifeng corn planting professional cooperatives	Ruifeng corn planting professional cooperatives
Ruiying Professional growing cooperative	Ruiying Professional growing cooperative
Ruiying Professional planting cooperatives	Ruiying Professional planting cooperatives
Sanlang Agricultural Cooperative	Sanlang Agricultural Cooperative
Sanlang Farming Machine Specialized Cooperative	Sanlang Farming Machine Specialized Cooperative
Shengli Family Farm	Shengli Family Farm
Shifa field crops planting cooperatives ?	Shifa field crops planting cooperatives ?
Shiyu Crop Growing Cooperation	Shiyu Crop Growing Cooperation
Shiyu planting cooperatives	Shiyu planting cooperatives
Shuangyuan planting cooperatives	Shuangyuan planting cooperatives
Shuisheng	Shuisheng
Shuisheng Agricultural Cooperative	Shuisheng Agricultural Cooperative
Sizhilian supply and marketing cooperative	Sizhilian supply and marketing cooperative
Sulai Cooperation	Sulai Cooperation
Sunrenlin Family Farm	Sunrenlin Family Farm
Sunyue Family Farm	Sunyue Family Farm
Tian Tian Quan	Tian Tian Quan
Weishan Family Farm	Weishan Family Farm
Xinbiao Agricultural and Breeding Cooperative	Xinbiao Agricultural and Breeding Cooperative
Xingnong Cultivation Professional Cooperative	Xingnong Cultivation Professional Cooperative

Xinma Cooperative	Xinma Cooperative
Xinma Cultivation Cooperative	Xinma Cultivation Cooperative
Xinniu Cooperative	Xinniu Cooperative
Xinniu Cultivation Cooperative	Xinniu Cultivation Cooperative
Xiujun Cooperative	Xiujun Cooperative
Xiujun Cultivation Speciality Cooperative	Xiujun Cultivation Speciality Cooperative
Yongtao Agricultural Machinery Cooperative	Yongtao Agricultural Machinery Cooperative
Yongtao Villiage Professional Cooperative	Yongtao Villiage Professional Cooperative
Yongxin Family Farm	Yongxin Family Farm
Yuhe Family Farm	Yuhe Family Farm
Yuliang Crop Cooperative	Yuliang Crop Cooperative
Yuming Farm	Yuming Farm
Zhaoqi Agriculture Cooperation	Zhaoqi Agriculture Cooperation
Zhaoqi Agriculture Cultivation Cooperative	Zhaoqi Agriculture Cultivation Cooperative
Zhaoqiao production team, Dinggou town, Jiangdu district	Zhaoqiao production team, Dinggou town, Jiangdu district
Zhengdi Farm	Zhengdi Farm
Zhengli Family Farm	Zhengli Family Farm
Zhifu Farm	Zhifu Farm
Zhiyuan Farm	Zhiyuan Farm
Zhongchan Agriculture Cooperation	Zhongchan Agriculture Cooperation
Zhongqi Agriculture Cooperation	Zhongqi Agriculture Cooperation
Zhongqi Agriculture Cultivation Cooperative	Zhongqi Agriculture Cultivation Cooperative
Zhongxin Family Farm	Zhongxin Family Farm
Zhongxin Farm	Zhongxin Farm
Zhou Lan Production Team	Zhou Lan Production Team
Zhou Lan production team	Zhou Lan production team
Zhoulan Production Team	Zhoulan Production Team
Zhumingbo Family Farm	Zhumingbo Family Farm
Zhumingde Farmily Farm	Zhumingde Farmily Farm
Zuqiang Farm	Zuqiang Farm
village committee	village committee

### Q35A\_2: Q35.A. What group/association/cooperative are a member of? 2ND

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
Jian qiang crop protection cooperative	Jian qiang crop protection cooperative
Shen Dongqiao Family Farm	Shen Dongqiao Family Farm
Shendong bridge family farm	Shendong bridge family farm

### Q58: Q58. In general, what is the topography of your growing area?

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	flat
2	gentle slope
3	steep slope
4	hilly
5	other. specify:

### Q58OTH: Q58. In general, what is the topography of your growing area? OTHER

Data file: Global\_farm\_data

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
8 dry land	8 dry land
8 irrigated land	8 irrigated land

**Q116: Q116. What production system is used for rice?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	transplanted (tr)
2	direct-seeded, wet-sown (dsws)
3	direct-seeded (ds)
4	system of rice intensification (sri)
5	direct-seeded, dry-sown (dsds)

**Q119: Q119. Please indicate the inter-row space that is applied?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 30 Format: Numeric

**Q232\_99: Q232\_99. From which supplier do you buy your young plants? Don't know / no answer****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2 - 2 Format: Numeric

**Q230\_1: Bought seeds****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES



Value	Category
1	not mentioned
2	mentioned

## Q230\_2: Saved seeds

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
1	not mentioned
2	mentioned

## Q302: Q302. What is the percentage of decay for potato?

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 10 Format: Numeric

## Q303: Q303. What is the percentage of shrink loss for potato?

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.5 - 30 Format: Numeric

## Q4001: Q4001. % of crop lost in-between harvest and storage or selling ?

Data file: Global\_farm\_data

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 13 Format: Numeric

**Q147: Q147. When have the young plants been planted ?****Data file: Global\_farm\_data****Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
2014-03-04	2014-03-04
2014-03-08	2014-03-08
2014-03-10	2014-03-10
2014-03-17	2014-03-17
2014-03-18	2014-03-18
2014-03-22	2014-03-22
2014-03-24	2014-03-24
2014-04-02	2014-04-02
2014-04-04	2014-04-04
2014-04-05	2014-04-05
2014-04-06	2014-04-06
2014-04-08	2014-04-08
2014-04-09	2014-04-09
2014-04-10	2014-04-10
2014-04-15	2014-04-15
2014-04-19	2014-04-19
2014-04-20	2014-04-20
2014-04-21	2014-04-21
2014-04-22	2014-04-22
2014-04-23	2014-04-23
2014-04-24	2014-04-24
2014-04-25	2014-04-25
2014-04-26	2014-04-26
2014-04-27	2014-04-27
2014-04-28	2014-04-28
2014-04-29	2014-04-29
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02
2014-05-03	2014-05-03

2014-05-04	2014-05-04
2014-05-05	2014-05-05
2014-05-06	2014-05-06
2014-05-07	2014-05-07
2014-05-08	2014-05-08
2014-05-09	2014-05-09
2014-05-10	2014-05-10
2014-05-11	2014-05-11
2014-05-12	2014-05-12
2014-05-13	2014-05-13
2014-05-15	2014-05-15
2014-05-18	2014-05-18
2014-05-20	2014-05-20
2014-05-25	2014-05-25
2014-06-02	2014-06-02
2014-06-04	2014-06-04
2014-06-13	2014-06-13
2014-06-14	2014-06-14
2014-06-15	2014-06-15
2014-06-24	2014-06-24
2014-06-30	2014-06-30
2014-07-03	2014-07-03
2014-07-04	2014-07-04
2014-07-05	2014-07-05
2014-07-06	2014-07-06
2014-07-07	2014-07-07
2014-07-08	2014-07-08
2014-07-09	2014-07-09
2014-07-10	2014-07-10
2014-07-11	2014-07-11
2014-07-12	2014-07-12
2014-07-13	2014-07-13
2014-07-14	2014-07-14
2014-07-15	2014-07-15
2014-07-16	2014-07-16
2014-07-17	2014-07-17
2014-07-18	2014-07-18
2014-07-20	2014-07-20
2014-07-24	2014-07-24

**Q247\_1A: Q247. BUYER 1 % of yield****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 20 - 100 Format: Numeric

**Q247\_2A: Q247. BUYER 2 % of yield****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 10 - 70 Format: Numeric

**Q247\_1B: Q247. BUYER 1 price per metric ton****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 100 - 2800 Format: Numeric

**Q247\_2B: Q247. BUYER 2 price per metric ton****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 100 - 1500 Format: Numeric

**Q295: Q295. What is the level of broken in percentage for rice?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 70 Format: Numeric

**Q297: Q297. % of colored grains and contaminants for rice?****Data file:** Global\_farm\_data

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 10 Format: Numeric

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**Q301: Q301. What is the starch content per potato? (%)****Data file: Global\_farm\_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3 - 30 Format: Numeric

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**HARVESTYEAR: Data collection wave****Data file:** Crop\_protection**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 2014 - 2019    Format: Numeric

**GROWINGAREA: To which field/plot does the information relate to?****Data file:** Crop\_protection**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
A	A
B	B

**CLUSTERID: Unique cluster ID****Data file:** Crop\_protection**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
ChinaMaize1	ChinaMaize1
ChinaMaize1+2	ChinaMaize1+2
ChinaMaize2	ChinaMaize2
ChinaMaize3	ChinaMaize3
ChinaMaize3+4+5	ChinaMaize3+4+5
ChinaMaize4	ChinaMaize4
ChinaMaize5	ChinaMaize5
ChinaMaize6	ChinaMaize6
ChinaMaize6+7	ChinaMaize6+7

ChinaMaize7	ChinaMaize7
ChinaPotato1	ChinaPotato1
ChinaPotato1+2	ChinaPotato1+2
ChinaPotato2	ChinaPotato2
ChinaPotato3	ChinaPotato3
ChinaRice1early	ChinaRice1early
ChinaRice1late	ChinaRice1late
ChinaRice2early	ChinaRice2early
ChinaRice2late	ChinaRice2late
ChinaRice3	ChinaRice3
ChinaRice3+4+5	ChinaRice3+4+5
ChinaRice4	ChinaRice4
ChinaRice5	ChinaRice5

## COUNTRY: Country

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
China	China

## FARMTYPE: FARMTYPE

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
BF	BF
RF	RF

**GROWERID: Unique respondent ID****Data file: Crop\_protection****Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
710160	710160
710170	710170
710180	710180
710190	710190
710200	710200
710210	710210
710230	710230
710370	710370
710400	710400
710410	710410
710420	710420
710430	710430
710440	710440
710450	710450
710850	710850
710870	710870
710880	710880
710890	710890
710900	710900
710910	710910
710920	710920
710930	710930
710940	710940
710950	710950
710960	710960
710970	710970
710980	710980
710990	710990



711000	711000
711010	711010
711020	711020
711030	711030
711070	711070
711180	711180
711190	711190
711200	711200
711220	711220
711230	711230
711240	711240
711320	711320
711330	711330
711340	711340
711350	711350
711360	711360
711370	711370
711380	711380
711390	711390
711400	711400
711410	711410
711420	711420
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728190	728190
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729340	729340
729350	729350
729360	729360
729370	729370
729380	729380

## PRODUCT: Unique code of a product within application

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
1	1
10	10
2	2
21	21

3	3
4	4
5	5
6	6
7	7
8	8
9	9

## CROP: The crop of focus

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
Corn	Corn
Potato	Potato
Rice	Rice

## APPLICATION: Unique code of an application per field per grower

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
1	1
2	2
3	3
4	4
5	5
6	6



7	7
8	8

## Q241A: Q241 a. Timing of product application

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

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2014-03-15	2014-03-15
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2014-03-26	2014-03-26
2014-03-28	2014-03-28
2014-03-29	2014-03-29
2014-03-30	2014-03-30
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2014-04-02	2014-04-02
2014-04-03	2014-04-03
2014-04-04	2014-04-04
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2014-04-11	2014-04-11
2014-04-12	2014-04-12
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2014-04-14	2014-04-14
2014-04-15	2014-04-15
2014-04-16	2014-04-16

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2014-04-19	2014-04-19
2014-04-20	2014-04-20
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2014-04-22	2014-04-22
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2014-05-25	2014-05-25
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2014-05-27	2014-05-27
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2014-06-02	2014-06-02
2014-06-03	2014-06-03
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2019-10-13	2019-10-13
2019-10-20	2019-10-20

**Q241B: Q241 b.Type of product****Data file:** Crop\_protection**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Herbicide
2	Insecticide
3	Fungicide
4	Plant growth regulator, harvest aids,adjuvants
5	Nematicides, molluscicides
6	Rodenticides

**Q241C: Q241 c . Brand product name****Data file:** Crop\_protection**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
confidential	confidential

**Q241C1: Q241 c1. Brand product formulation****Data file:** Crop\_protection**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character



## Questions and instructions

### CATEGORIES

Value	Category
confidential	confidential

## C241C: CODED VARIABLE - stringcode

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
confidential	confidential

## C241CA1: CODED VARIABLE - active ingredient1

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
2,4-D BUTYL ESTER	2,4-D BUTYL ESTER
2,4-D BUTYLATE	2,4-D BUTYLATE
ABAMECTIN (AVERMECTIN B)	ABAMECTIN (AVERMECTIN B)
ACEPHATE	ACEPHATE
ACETAMIPRID	ACETAMIPRID
ACETOCHLORE	ACETOCHLORE
ALACHLOR	ALACHLOR
AMINO ACIDS	AMINO ACIDS
ATRAZINE	ATRAZINE
AZOXYSTROBIN	AZOXYSTROBIN

BENSULFURON-METHYL	BENSULFURON-METHYL
BENTAZON	BENTAZON
BETACYPERMETHRIN	BETACYPERMETHRIN
BIFENTRIN	BIFENTRIN
BISPYRIBAC-SODIUM	BISPYRIBAC-SODIUM
BISULTAP	BISULTAP
BUPROFEZIN	BUPROFEZIN
BUTACHLOR	BUTACHLOR
CARBENDAZIM	CARBENDAZIM
CARBOSULFAN	CARBOSULFAN
CHLORANTRANILIPROLE	CHLORANTRANILIPROLE
CHLOREPYROPHOS	CHLOREPYROPHOS
CHLORMEQUAT-CHLORIDE	CHLORMEQUAT-CHLORIDE
CHLOROTHALONIL	CHLOROTHALONIL
CLETHODIM	CLETHODIM
CYFLUMETOFEN	CYFLUMETOFEN
CYHALOFOP-B	CYHALOFOP-B
CYHALOTHRIN	CYHALOTHRIN
CYMOXANYLE	CYMOXANYLE
CYPERMETHRIN	CYPERMETHRIN
DICHLORVOS	DICHLORVOS
DIFENOCONAZOLE	DIFENOCONAZOLE
DIMETHOATE	DIMETHOATE
DIQUAT	DIQUAT
Do not know	Do not know
EMAMECTIN BENZOATE	EMAMECTIN BENZOATE
ETHEFON	ETHEFON
FENOXANIL	FENOXANIL
FLUBENDIAMIDE	FLUBENDIAMIDE
FLUOPICOLIDE*	FLUOPICOLIDE*
FLUOROGLYCOFEN-ETHYL	FLUOROGLYCOFEN-ETHYL
FLUROXYPYR	FLUROXYPYR
FOMESAFEN	FOMESAFEN
GIBBERELIC ACID	GIBBERELIC ACID
GIBBERELLIN*	GIBBERELLIN*
GLUFOSINATE-AMMONIUM	GLUFOSINATE-AMMONIUM
GLYPHOSASATE ISOPROPYLAMMONIUM SALT	GLYPHOSASATE ISOPROPYLAMMONIUM SALT
GLYPHOSATE	GLYPHOSATE
HALOXYFOP-R-METHYL ESTER	HALOXYFOP-R-METHYL ESTER

HEXACONAZOLE	HEXACONAZOLE
HEXAFLUMURON	HEXAFLUMURON
IMIDACLOPRID	IMIDACLOPRID
ISOPROTHIOLANE	ISOPROTHIOLANE
KASUGAMYCIN*	KASUGAMYCIN*
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
MANCOZEB (VONDOZEB)	MANCOZEB (VONDOZEB)
MANDIPROPAMID	MANDIPROPAMID
MCPA	MCPA
MESOTRIONE	MESOTRIONE
METALAXIL	METALAXIL
METALAXIL-M	METALAXIL-M
METHAMIDOPHOS	METHAMIDOPHOS
METHYLENEDITHIOCYANATE	METHYLENEDITHIOCYANATE
MIPC (ISOPROCARB)	MIPC (ISOPROCARB)
MONOSULTAP	MONOSULTAP
NIKOSULPHURON	NIKOSULPHURON
NITROGEN	NITROGEN
OXADIAZON	OXADIAZON
PARAQUAT	PARAQUAT
PENDIMETHALIN	PENDIMETHALIN
PENOXSULAM	PENOXSULAM
PHOSPHATE	PHOSPHATE
PHOXIM	PHOXIM
POTASSIUM	POTASSIUM
PRETILACHLOR	PRETILACHLOR
PROCHLORAZ	PROCHLORAZ
PROPICONAZOLE	PROPICONAZOLE
PROPINEB	PROPINEB
PROPIZOCHLORE	PROPIZOCHLORE
PYMETROZINE	PYMETROZINE
PYRAZOSULFURON	PYRAZOSULFURON
PYRAZOSULFURON-ETHYL	PYRAZOSULFURON-ETHYL
QUINCLORAC	QUINCLORAC
QUIZALOFOP-P-E	QUIZALOFOP-P-E
RIMESULPHURONE	RIMESULPHURONE
S-METOLACHLOR	S-METOLACHLOR
S-METOLACHLORE	S-METOLACHLORE
STREPTOMYCIN SULFATE	STREPTOMYCIN SULFATE

SULPHUR	SULPHUR
TEBUCONAZOLE	TEBUCONAZOLE
THIAMETHOXAM	THIAMETHOXAM
THIFLUZAMIDE	THIFLUZAMIDE
THIOPHANATE-METYL	THIOPHANATE-METYL
THIPHENSULPHURONE-METHYL	THIPHENSULPHURONE-METHYL
TRICHLORFON	TRICHLORFON
TRICYCLAZOLE	TRICYCLAZOLE
TRIFLURALIN	TRIFLURALIN
TRIPHENYLTIN ACETATE	TRIPHENYLTIN ACETATE
UNICONAZOLE	UNICONAZOLE
VALIDAMYCIN	VALIDAMYCIN
VEGETAL OIL	VEGETAL OIL

## C241CP1: CODED VARIABLE - amount of ai1

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.3 - 960 Format: Numeric

## C241CU1: CODED VARIABLE - unit (% or Gr)

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
1	g/l
2	percent

## C241CA2: CODED VARIABLE - active ingredient2

Data file: Crop\_protection

## Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
284	284
ABAMECTIN (AVERMECTIN B)	ABAMECTIN (AVERMECTIN B)
ACETOCHLORE	ACETOCHLORE
ATRAZINE	ATRAZINE
AZOXYSTROBIN	AZOXYSTROBIN
BENSULFURON-METHYL	BENSULFURON-METHYL
BETACYPERMETHRIN	BETACYPERMETHRIN
BUTACHLOR	BUTACHLOR
CHLORANTRANILIPROLE	CHLORANTRANILIPROLE
CHLOREPYROPHOS	CHLOREPYROPHOS
CHLOROTHALONIL	CHLOROTHALONIL
CHLORPYRIFOS ETHYL	CHLORPYRIFOS ETHYL
CLOMAZONE	CLOMAZONE
CYHALOFOP-B	CYHALOFOP-B
DIFENOCONAZOLE	DIFENOCONAZOLE
Do not know	Do not know
EMAMECTIN BENZOATE	EMAMECTIN BENZOATE
FENAMINSTROBIN	FENAMINSTROBIN
FLUDIOXONIL	FLUDIOXONIL
HEXAFLUMURON	HEXAFLUMURON
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
MALATHION (MALDISON)(MERCAPTOTHION)	MALATHION (MALDISON)(MERCAPTOTHION)
MANCOZEB (VONDOZEB)	MANCOZEB (VONDOZEB)
MEFENACET	MEFENACET
MESOTRIONE	MESOTRIONE
METALAXIL-M	METALAXIL-M
PHOSPHATE	PHOSPHATE
PHOSPHOR	PHOSPHOR
PRETILACHLOR	PRETILACHLOR
PROCHLORAZ	PROCHLORAZ
PROFENOFOS	PROFENOFOS
PROPICONAZOLE	PROPICONAZOLE

PYMETROZINE	PYMETROZINE
S-METOLACHLOR	S-METOLACHLOR
S-METOLACHLORE	S-METOLACHLORE
SETHOXYDIM?	SETHOXYDIM
THIAMETHOXAM	THIAMETHOXAM
THIFENSULFURON	THIFENSULFURON
THIPHENSULPHURONE-METHYL	THIPHENSULPHURONE-METHYL
THIRAM	THIRAM
TRIADIMEFON	TRIADIMEFON
TRIAzOPHOS	TRIAzOPHOS
TRIBUNERONE-METHYL	TRIBUNERONE-METHYL
TRICYCLAZOLE	TRICYCLAZOLE
TRIFLOXYSTROBINE	TRIFLOXYSTROBINE

## C241CP2: CODED VARIABLE - amount of ai2

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2 - 625 Format: Numeric

## C241CA3: CODED VARIABLE - active ingredient3

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
ABAMECTIN (AVERMECTIN B)	ABAMECTIN (AVERMECTIN B)
ACETOCHLORE	ACETOCHLORE
ATRAZINE	ATRAZINE
FLUDIOXONIL	FLUDIOXONIL
FOMESAFEN	FOMESAFEN
MESOTRIONE	MESOTRIONE
METRIBUZIN	METRIBUZIN
METSULFURON-METHYL	METSULFURON-METHYL

POTASSIUM	POTASSIUM
TERBUTYLAZINE	TERBUTYLAZINE

### C241CP3: CODED VARIABLE - amount of ai3

Data file: Crop\_protection

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.2 - 300 Format: Numeric

### C241CPT: CODED VARIABLE - total amount of ai

Data file: Crop\_protection

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2 - 960 Format: Numeric

### Q241D: CODED VARIABLE Q241 d. Dosage ?

Data file: Crop\_protection

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 15 - 15000 Format: Numeric

### Q241E: CODED VARIABLE Q241 e. Unit of quantity

Data file: Crop\_protection

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	MILLILITER/HECT
2	GRAM/HECT

**Q241F: Q241 f. Amount of H2O solved in LITERS per****Data file: Crop\_protection****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 150300 Format: Numeric

**Q241G: Q241 g. Pest/disease/ weed targeted ?****Data file: Crop\_protection****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
3	3
40	40
99	99
??;cirsum setosum;xanthium·	??;cirsum setosum;xanthium·
abutilon fibre	abutilon fibre
abutilon fibre pigweed	abutilon fibre pigweed
abutilon fibre;sheathed monochoria herb;□□□	abutilon fibre;sheathed monochoria herb;□□□
abutilon theophrasti medic;xanthium;sonchus arvensis l;	abutilon theophrasti medic;xanthium;sonchus arvensis l;
abutilon;amaranthus retroflexus	abutilon;amaranthus retroflexus
abutilon;amaranthus retroflexus;xanthium	abutilon;amaranthus retroflexus;xanthium
abutilon;chenopodium album	abutilon;chenopodium album
abutilon;solanum nigrum;barnyard grass	abutilon;solanum nigrum;barnyard grass
abutilon?barnyard grass?polygonum	abutilon?barnyard grass?polygonum
acalypha australis;nightshade	acalypha australis;nightshade
against euphorbia lathylris;echinochloa crusgalli	against euphorbia lathylris;echinochloa crusgalli
against plague	against plague
all the weeds	all the weeds
all the weeds;	all the weeds;
all weeds	all weeds
alopecurus aequalis eleusine indica barnyard grass setaria viridis	alopecurus aequalis eleusine indica barnyard grass setaria viridis
alopecurus aequalis eleusine indica digitaria sanguinalis barnyard grass setaria viridis	alopecurus aequalis eleusine indica digitaria sanguinalis barnyard grass setaria viridis
alopecurus aequalis sobol	alopecurus aequalis sobol



alopecurus aequalis soboldigitaria sanguinalis	alopecurus aequalis soboldigitaria sanguinalis
alopecurus aequalis sobolechinochloa colonum	alopecurus aequalis sobolechinochloa colonum
alopecurus aequalis;goose grass;crab grass;nephrolepis auriculata l; trimen;green bristlegrass	alopecurus aequalis;goose grass;crab grass;nephrolepis auriculata l; trimen;green bristlegrass
amaranth;siberian cocklebur	amaranth;siberian cocklebur
amaranthus	amaranthus
amaranthus retroflexus l;	amaranthus retroflexus l;
amaranthus retroflexus l; ;abutilon fibre	amaranthus retroflexus l; ;abutilon fibre
amaranthus retroflexus l; ;copperleaf	amaranthus retroflexus l; ;copperleaf
amaranthus retroflexus l; ;weeds	amaranthus retroflexus l; ;weeds
amaranthus retroflexus l;;barnyard grass;drilgrass	amaranthus retroflexus l;;barnyard grass;drilgrass
amaranthus retroflexus;chenopodium album	amaranthus retroflexus;chenopodium album
amaranthus retroflexus?barnyard grass	amaranthus retroflexus?barnyard grass
amaranthus retroflexuspolygonum	amaranthus retroflexuspolygonum
amaranthus tricolor;barnyard grass;chenopodium album	amaranthus tricolor;barnyard grass;chenopodium album
amaranthus tricolor;chenopodium album	amaranthus tricolor;chenopodium album
amaranthus tricolor;chenopodium album;abutilon theophrasti medic	amaranthus tricolor;chenopodium album;abutilon theophrasti medic
amaranthus tricolor;chenopodium album;monochoria korsakowii	amaranthus tricolor;chenopodium album;monochoria korsakowii
amaranthus;chenopodium album	amaranthus;chenopodium album
anthracnose	anthracnose
aphid	aphid
aphid;corn earworm	aphid;corn earworm
aphidoidea	aphidoidea
aphid·	aphid·
aphis	aphis
armyworm;corn borer	armyworm;corn borer
as	as
asian sprangletop	asian sprangletop
b;ed sclerotial blight	b;ed sclerotial blight
b;ed sclerotial blight;cercospora leaf spot of riceplant	b;ed sclerotial blight;cercospora leaf spot of riceplant
b;ed sclerotial blight;leaf roller;rice worm disease	b;ed sclerotial blight;leaf roller;rice worm disease
b;ed sclerotial blight;rice blast;rice kernel smut;glume blight	b;ed sclerotial blight;rice blast;rice kernel smut;glume blight
b;ed sclerotial blight□rice blast	b;ed sclerotial blight□rice blast
b;ed sclerotial blight□	b;ed sclerotial blight□
b;ed sclerotial blight□ rice blast	b;ed sclerotial blight□ rice blast
b;ed sclerotial blight□leaf roller□rice worm disease	b;ed sclerotial blight□leaf roller□rice worm disease
bacteria diseases;stem rot	bacteria diseases;stem rot
bacteria;stem rot	bacteria;stem rot

banakae disease	banakae disease
barnyard grass	barnyard grass
barnyard grass ;green bristlegrass;chenopodium album;amaranthus;nightshade	barnyard grass ;green bristlegrass;chenopodium album;amaranthus;nightshade
barnyard grass amaranthus tricolor	barnyard grass amaranthus tricolor
barnyard grass chenopodium album amaranthus tricolor	barnyard grass chenopodium album amaranthus tricolor
barnyard grass green bristlegrass	barnyard grass green bristlegrass
barnyard grass heterotypic sedge	barnyard grass heterotypic sedge
barnyard grass; asian sprangletop	barnyard grass; asian sprangletop
barnyard grass; cyperus	barnyard grass; cyperus
barnyard grass; digitaria sanguinalis	barnyard grass; digitaria sanguinalis
barnyard grass; green bristlegrass; amur foxtail	barnyard grass; green bristlegrass; amur foxtail
barnyard grass; semen euphorbia	barnyard grass; semen euphorbia
barnyard grass;abutilon	barnyard grass;abutilon
barnyard grass;abutilon fibre ;thorn vegetables;pigweed	barnyard grass;abutilon fibre ;thorn vegetables;pigweed
barnyard grass;abutilon fibre;sheathed monochoria herb	barnyard grass;abutilon fibre;sheathed monochoria herb
barnyard grass;abutilon;chenopodium album	barnyard grass;abutilon;chenopodium album
barnyard grass;acalypha australis;purslane	barnyard grass;acalypha australis;purslane
barnyard grass;amaranthus	barnyard grass;amaranthus
barnyard grass;amaranthus retroflexus	barnyard grass;amaranthus retroflexus
barnyard grass;amaranthus retroflexus l;	barnyard grass;amaranthus retroflexus l;
barnyard grass;amaranthus retroflexus l; ;leaf mustard	barnyard grass;amaranthus retroflexus l; ;leaf mustard
barnyard grass;amaranthus retroflexus l;;abutilon fibre	barnyard grass;amaranthus retroflexus l;;abutilon fibre
barnyard grass;amaranthus tricolor;abutilon theophrasti medic;chenopodium album	barnyard grass;amaranthus tricolor;abutilon theophrasti medic;chenopodium album
barnyard grass;amaranthus tricolor;chenopodium album	barnyard grass;amaranthus tricolor;chenopodium album
barnyard grass;amaranthus tricolor;ricinus communis	barnyard grass;amaranthus tricolor;ricinus communis
barnyard grass;amaranthus;xanthium	barnyard grass;amaranthus;xanthium
barnyard grass;blite	barnyard grass;blite
barnyard grass;chanaer;abutilon	barnyard grass;chanaer;abutilon
barnyard grass;chenopodium album	barnyard grass;chenopodium album
barnyard grass;chenopodium album;acalypha australis	barnyard grass;chenopodium album;acalypha australis
barnyard grass;chenopodium album;amaranthus	barnyard grass;chenopodium album;amaranthus
barnyard grass;chenopodium album;amaranthus tricolor	barnyard grass;chenopodium album;amaranthus tricolor
barnyard grass;chenopodium album;amaranthus tricolor;abutilon theophrasti medic;polygonum	barnyard grass;chenopodium album;amaranthus tricolor;abutilon theophrasti medic;polygonum
barnyard grass;chenopodium album;amaranthus tricolor;digitaria sanguinalis	barnyard grass;chenopodium album;amaranthus tricolor;digitaria sanguinalis
barnyard grass;chenopodium album;amaranthus tricolor;polygonum	barnyard grass;chenopodium album;amaranthus tricolor;polygonum

barnyard grass;chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder	barnyard grass;chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder
barnyard grass;chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder;purslane	barnyard grass;chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder;purslane
barnyard grass;chenopodium album;green bristlegrass	barnyard grass;chenopodium album;green bristlegrass
barnyard grass;chenopodium album;purslane;nightshade	barnyard grass;chenopodium album;purslane;nightshade
barnyard grass;chenopodium album;xanthium sibiricum patrin ex widder	barnyard grass;chenopodium album;xanthium sibiricum patrin ex widder
barnyard grass;chenopodium album;xanthium sibiricum patrin ex widder;ricinus communis;commelina diffusa	barnyard grass;chenopodium album;xanthium sibiricum patrin ex widder;ricinus communis;commelina diffusa
barnyard grass;chenopodium album;xanthium;green bristlegrass	barnyard grass;chenopodium album;xanthium;green bristlegrass
barnyard grass;commelina diffusa	barnyard grass;commelina diffusa
barnyard grass;convexutricle sedge herb	barnyard grass;convexutricle sedge herb
barnyard grass;convexutricle sedge herb;crab grass	barnyard grass;convexutricle sedge herb;crab grass
barnyard grass;convexutricle sedge herb;eleusine indica	barnyard grass;convexutricle sedge herb;eleusine indica
barnyard grass;convexutricle sedge herb;sheathed monochoria herb	barnyard grass;convexutricle sedge herb;sheathed monochoria herb
barnyard grass;crab grass	barnyard grass;crab grass
barnyard grass;crab grass;	barnyard grass;crab grass;
barnyard grass;digitaria sanguinalis	barnyard grass;digitaria sanguinalis
barnyard grass;drilgrass	barnyard grass;drilgrass
barnyard grass;drilgrass ;pigweed;	barnyard grass;drilgrass ;pigweed;
barnyard grass;drilgrass ·	barnyard grass;drilgrass ·
barnyard grass;edible amaranth	barnyard grass;edible amaranth
barnyard grass;edible amaranth;abutilon theophrasti medic;grey vegetable	barnyard grass;edible amaranth;abutilon theophrasti medic;grey vegetable
barnyard grass;edible amaranth;green bristlegrass;	barnyard grass;edible amaranth;green bristlegrass;
barnyard grass;edible amaranth;grey vegetable	barnyard grass;edible amaranth;grey vegetable
barnyard grass;edible amaranth;grey vegetable;	barnyard grass;edible amaranth;grey vegetable;
barnyard grass;edible amaranth;knotweed;barnyard grass;drilgrass	barnyard grass;edible amaranth;knotweed;barnyard grass;drilgrass
barnyard grass;edible amaranth;pigweed	barnyard grass;edible amaranth;pigweed
barnyard grass;edible amaranth;pigweed;	barnyard grass;edible amaranth;pigweed;
barnyard grass;edible amaranth;self-produced wheat	barnyard grass;edible amaranth;self-produced wheat
barnyard grass;eleusine indica	barnyard grass;eleusine indica
barnyard grass;eleusine indica;chenopodium album	barnyard grass;eleusine indica;chenopodium album
barnyard grass;eleusine indica;chenopodium album;xanthium	barnyard grass;eleusine indica;chenopodium album;xanthium
barnyard grass;eleusine indica;needle spikesedge herb;common ammannia herb;monochoria vaginalis presl	barnyard grass;eleusine indica;needle spikesedge herb;common ammannia herb;monochoria vaginalis presl
barnyard grass;eleusine indica;xanthium;chenopodium album	barnyard grass;eleusine indica;xanthium;chenopodium album
barnyard grass;eleusine indica;□□□	barnyard grass;eleusine indica;□□□

barnyard grass;equisetum pratense ehrh;;chenopodium album;green bristlegrass	barnyard grass;equisetum pratense ehrh;;chenopodium album;green bristlegrass
barnyard grass;eupatorium adenophorum	barnyard grass;eupatorium adenophorum
barnyard grass;goosegrass herb	barnyard grass;goosegrass herb
barnyard grass;green bristlegrass	barnyard grass;green bristlegrass
barnyard grass;green bristlegrass ·	barnyard grass;green bristlegrass ·
barnyard grass;green bristlegrass;amaranthus	barnyard grass;green bristlegrass;amaranthus
barnyard grass;green bristlegrass;chenopodium album	barnyard grass;green bristlegrass;chenopodium album
barnyard grass;green bristlegrass;chenopodium album;amaranthus;nightshade	barnyard grass;green bristlegrass;chenopodium album;amaranthus;nightshade
barnyard grass;green bristlegrass;edible amaranth;grey vegetable	barnyard grass;green bristlegrass;edible amaranth;grey vegetable
barnyard grass;green bristlegrass;edible amaranth;pigweed;abutilon theophrasti medic	barnyard grass;green bristlegrass;edible amaranth;pigweed;abutilon theophrasti medic
barnyard grass;green bristlegrass;grey vegetable;edible amaranth	barnyard grass;green bristlegrass;grey vegetable;edible amaranth
barnyard grass;green bristlegrass;orchid vegetable;pigweed;abutilon theophrasti medic	barnyard grass;green bristlegrass;orchid vegetable;pigweed;abutilon theophrasti medic
barnyard grass;green bristlegrass;xanthium	barnyard grass;green bristlegrass;xanthium
barnyard grass;green bristlegrass;xanthium;acalypha australis	barnyard grass;green bristlegrass;xanthium;acalypha australis
barnyard grass;grey vegetable;barnyard grass;abutilon theophrasti medic;amaranthus retroflexus l;	barnyard grass;grey vegetable;barnyard grass;abutilon theophrasti medic;amaranthus retroflexus l;
barnyard grass;grey vegetable;edible amaranth	barnyard grass;grey vegetable;edible amaranth
barnyard grass;grey vegetable;edible amaranth;	barnyard grass;grey vegetable;edible amaranth;
barnyard grass;grey vegetable;edible amaranth;castor-oil plant;xanthium sibiricum;orchid vegetable;knotweed	barnyard grass;grey vegetable;edible amaranth;castor-oil plant;xanthium sibiricum;orchid vegetable;knotweed
barnyard grass;grey vegetable;edible amaranth;knotweed	barnyard grass;grey vegetable;edible amaranth;knotweed
barnyard grass;grey vegetable;edible amaranth;knotweed;xanthium sibiricum	barnyard grass;grey vegetable;edible amaranth;knotweed;xanthium sibiricum
barnyard grass;grey vegetable;edible amaranth;orchid vegetable;knotweed;castor-oil plant;xanthium sibiricum	barnyard grass;grey vegetable;edible amaranth;orchid vegetable;knotweed;castor-oil plant;xanthium sibiricum
barnyard grass;grey vegetable;edible amaranth;xanthium sibiricum	barnyard grass;grey vegetable;edible amaranth;xanthium sibiricum
barnyard grass;grey vegetable;edible amaranth;xanthium sibiricum;knotweed;green bristlegrass;drilgrass	barnyard grass;grey vegetable;edible amaranth;xanthium sibiricum;knotweed;green bristlegrass;drilgrass
barnyard grass;grey vegetable;orchid vegetable;edible amaranth	barnyard grass;grey vegetable;orchid vegetable;edible amaranth
barnyard grass;heterotypic sedge	barnyard grass;heterotypic sedge
barnyard grass;knotweed	barnyard grass;knotweed
barnyard grass;knotweed;autogenous wheat seedling	barnyard grass;knotweed;autogenous wheat seedling
barnyard grass;knotweed;edible amaranth;xanthium sibiricum	barnyard grass;knotweed;edible amaranth;xanthium sibiricum
barnyard grass;leaf mustard ;	barnyard grass;leaf mustard ;
barnyard grass;leptochloa chinensis	barnyard grass;leptochloa chinensis

barnyard grass;leptochloa;monochoria;sedge;fescue	barnyard grass;leptochloa;monochoria;sedge;fescue
barnyard grass;monochoria vaginalis presl	barnyard grass;monochoria vaginalis presl
barnyard grass;oat grass	barnyard grass;oat grass
barnyard grass;orchid vegetable;ricinus communis l;	barnyard grass;orchid vegetable;ricinus communis l;
barnyard grass;pigweed	barnyard grass;pigweed
barnyard grass;pigweed; xanthium	barnyard grass;pigweed; xanthium
barnyard grass;pigweed;amaranthus retroflexus l;	barnyard grass;pigweed;amaranthus retroflexus l;
barnyard grass;pigweed;barnyard grass;edible amaranth;xanthium	barnyard grass;pigweed;barnyard grass;edible amaranth;xanthium
barnyard grass;pigweed;edible amaranth	barnyard grass;pigweed;edible amaranth
barnyard grass;pigweed;edible amaranth;xanthium;commelina communis	barnyard grass;pigweed;edible amaranth;xanthium;commelina communis
barnyard grass;pigweed;xanthium	barnyard grass;pigweed;xanthium
barnyard grass;pigweed;xanthium;prickly vegetables;edible amaranth	barnyard grass;pigweed;xanthium;prickly vegetables;edible amaranth
barnyard grass;polygonum	barnyard grass;polygonum
barnyard grass;polygonum;amaranthus tricolor;chenopodium album;ricinus communis	barnyard grass;polygonum;amaranthus tricolor;chenopodium album;ricinus communis
barnyard grass;polygonum;green bristlegrass	barnyard grass;polygonum;green bristlegrass
barnyard grass;polygonum;pigweed	barnyard grass;polygonum;pigweed
barnyard grass;prickly vegetables;barnyard grass	barnyard grass;prickly vegetables;barnyard grass
barnyard grass;purslane	barnyard grass;purslane
barnyard grass;purslane;acalypha australis;xanthium	barnyard grass;purslane;acalypha australis;xanthium
barnyard grass;ricinus communis;commelina diffusa;chenopodium album;xanthium sibiricum patrin ex widder	barnyard grass;ricinus communis;commelina diffusa;chenopodium album;xanthium sibiricum patrin ex widder
barnyard grass;rotala indica	barnyard grass;rotala indica
barnyard grass;rotala indica;wheat straw	barnyard grass;rotala indica;wheat straw
barnyard grass;sedge;caper euphorbia seed	barnyard grass;sedge;caper euphorbia seed
barnyard grass;setaria viridis	barnyard grass;setaria viridis
barnyard grass;sheathed monochoria herb;convexutricle sedge herb	barnyard grass;sheathed monochoria herb;convexutricle sedge herb
barnyard grass;sheathed monochoria herb;eleusine indica	barnyard grass;sheathed monochoria herb;eleusine indica
barnyard grass;shepherd's purse;orchid vegetable;edible amaranth;knotweed	barnyard grass;shepherd's purse;orchid vegetable;edible amaranth;knotweed
barnyard grass;shepherd's purse;orchid vegetable;edible amaranth;knotweed;a kind of vegetable that looks like cat's ear;grass	barnyard grass;shepherd's purse;orchid vegetable;edible amaranth;knotweed;a kind of vegetable that looks like cat's ear;grass
barnyard grass;shepherd's purse;orchid vegetable;edible amaranth;knotweed;gynura cusimbua;grass;	barnyard grass;shepherd's purse;orchid vegetable;edible amaranth;knotweed;gynura cusimbua;grass;
barnyard grass;volunteer wheat	barnyard grass;volunteer wheat
barnyard grass;weed;amaranthus tricolor;chenopodium album	barnyard grass;weed;amaranthus tricolor;chenopodium album
barnyard grass;wheat smartweed;abutilon;xanthium	barnyard grass;wheat smartweed;abutilon;xanthium

barnyard grass;xanthium	barnyard grass;xanthium
barnyard grass;xanthium sibiricum	barnyard grass;xanthium sibiricum
barnyard grass;xanthium sibiricum ;green bristlegrass	barnyard grass;xanthium sibiricum ;green bristlegrass
barnyard grass;xanthium sibiricum ·	barnyard grass;xanthium sibiricum ·
barnyard grass;xanthium;abutilon;solanum nigrum;cirsium setosum	barnyard grass;xanthium;abutilon;solanum nigrum;cirsium setosum
barnyard grass;xanthium;amaranthus	barnyard grass;xanthium;amaranthus
barnyard grass;xanthium;chenopodium album	barnyard grass;xanthium;chenopodium album
barnyard grass;xanthium;green bristlegrass	barnyard grass;xanthium;green bristlegrass
barnyard grass;xanthium;pigweed;polygonum	barnyard grass;xanthium;pigweed;polygonum
barnyard grass;□□	barnyard grass;□□
barnyard grass;□□□	barnyard grass;□□□
barnyard grass?	barnyard grass?
barnyard grass????	barnyard grass????
barnyard grass?asian sprangletop	barnyard grass?asian sprangletop
barnyard grass?asian sprangletop?monochoria vaginalis?nutgrass flatsedge?fescue	barnyard grass?asian sprangletop?monochoria vaginalis?nutgrass flatsedge?fescue
barnyard grass?blite	barnyard grass?blite
barnyard grass?blite;xanthium	barnyard grass?blite;xanthium
barnyard grass?chenopodium album;black nightshade	barnyard grass?chenopodium album;black nightshade
barnyard grass?commelina diffusa	barnyard grass?commelina diffusa
barnyard grass?commelina diffusa·	barnyard grass?commelina diffusa·
barnyard grass?cyperus difformis	barnyard grass?cyperus difformis
barnyard grass?drilgrass?digitaria sanguinalis scop; ?grey vegetable?edible amaranth?abutilon theophrasti medic	barnyard grass?drilgrass?digitaria sanguinalis scop; ?grey vegetable?edible amaranth?abutilon theophrasti medic
barnyard grass?edible amaranth	barnyard grass?edible amaranth
barnyard grass?edible amaranth?self-produced wheat	barnyard grass?edible amaranth?self-produced wheat
barnyard grass?eupatorium adenophorum	barnyard grass?eupatorium adenophorum
barnyard grass?green bristlegrass	barnyard grass?green bristlegrass
barnyard grass?green bristlegrass?alopecurus aequalis sobol;?crabgrass;goosegrass	barnyard grass?green bristlegrass?alopecurus aequalis sobol;?crabgrass;goosegrass
barnyard grass?green bristlegrass?edible amaranth	barnyard grass?green bristlegrass?edible amaranth
barnyard grass?green bristlegrass?edible amaranth?grey vegetable	barnyard grass?green bristlegrass?edible amaranth?grey vegetable
barnyard grass?green bristlegrass?grey vegetable?edible amaranth	barnyard grass?green bristlegrass?grey vegetable?edible amaranth
barnyard grass?grey vegetable	barnyard grass?grey vegetable
barnyard grass?grey vegetable?barnyard grass?abutilon theophrasti medic?amaranthus retroflexus l;	barnyard grass?grey vegetable?barnyard grass?abutilon theophrasti medic?amaranthus retroflexus l;
barnyard grass?grey vegetable?edible amaranth	barnyard grass?grey vegetable?edible amaranth
barnyard grass?grey vegetable?edible amaranth?knotweed?barnyard grass?drilgrass	barnyard grass?grey vegetable?edible amaranth?knotweed?barnyard grass?drilgrass

barnyard grass?grey vegetable?edible amaranth?xanthium sibiricum?knotweed?green bristlegrass?drilgrass	barnyard grass?grey vegetable?edible amaranth?xanthium sibiricum?knotweed?green bristlegrass?drilgrass
barnyard grass?grey vegetable?orchid vegetable?edible amaranth	barnyard grass?grey vegetable?orchid vegetable?edible amaranth
barnyard grass?knotweed	barnyard grass?knotweed
barnyard grass?knotweed?autogenous wheat seedling	barnyard grass?knotweed?autogenous wheat seedling
barnyard grass?nutgrass flatsedge	barnyard grass?nutgrass flatsedge
barnyard grass?pigweed	barnyard grass?pigweed
barnyard grass?pigweed?edible amaranth	barnyard grass?pigweed?edible amaranth
barnyard grass?polygonum	barnyard grass?polygonum
barnyard grass?polygonum?green bristlegrass	barnyard grass?polygonum?green bristlegrass
barnyard grass?polygonum?xanthium	barnyard grass?polygonum?xanthium
barnyard grass?prickly vegetables?grey vegetable?barnyard grass	barnyard grass?prickly vegetables?grey vegetable?barnyard grass
barnyard grass?rotala indica	barnyard grass?rotala indica
barnyard grass?semen euphorbiae lathyridis	barnyard grass?semen euphorbiae lathyridis
barnyard grass?semen euphorbiae lathyridis?monochoria vaginalis?nutgrass flatsedge?fescue	barnyard grass?semen euphorbiae lathyridis?monochoria vaginalis?nutgrass flatsedge?fescue
barnyard grass?setaria viridis	barnyard grass?setaria viridis
barnyard grass?setaria viridis?alopecurus aequalis sobol?eleusine indica?crabgrass	barnyard grass?setaria viridis?alopecurus aequalis sobol?eleusine indica?crabgrass
barnyard grass?shepherd's purse?orchid vegetable?edible amaranth?knotweed	barnyard grass?shepherd's purse?orchid vegetable?edible amaranth?knotweed
barnyard grass?xanthium	barnyard grass?xanthium
barnyard grass?xanthium?prickly vegetables?edible amaranth	barnyard grass?xanthium?prickly vegetables?edible amaranth
barnyard grassabutylon fibre	barnyard grassabutylon fibre
barnyard grassgreen bristlegrass	barnyard grassgreen bristlegrass
barnyard grasspigweed	barnyard grasspigweed
barnyard grassvolunteer wheat	barnyard grassvolunteer wheat
barnyard grass□eleusine indica□convexutricle sedge herb	barnyard grass□eleusine indica□convexutricle sedge herb
barnyard grass□sheathed monochoria herb□convexutricle sedge herb	barnyard grass□sheathed monochoria herb□convexutricle sedge herb
barnyard grass□sheathed monochoria herb□□□□	barnyard grass□sheathed monochoria herb□□□□
barnyard grass□xanthium strumarium□chenopodium album	barnyard grass□xanthium strumarium□chenopodium album
barnyard grass□□□□xanthium strumarium	barnyard grass□□□□xanthium strumarium
barnyardgrass; leptochloa	barnyardgrass; leptochloa
bittern ;xanthium sibiricum ;pigweed	bittern ;xanthium sibiricum ;pigweed
black scurf;scab	black scurf;scab
black scurf?scab	black scurf?scab
black scurfscab	black scurfscab
black spot	black spot

black spot;shot hole	black spot;shot hole
bone grass;pickpurse	bone grass;pickpurse
borer	borer
borer; tortrix	borer; tortrix
borer;leaf roller	borer;leaf roller
borer;rice leaf folder	borer;rice leaf folder
borer;rice leaf roller	borer;rice leaf roller
borer;rice leaf roller;rat	borer;rice leaf roller;rat
borer;rice leaf roller;rice plant hopper	borer;rice leaf roller;rice plant hopper
borer;rice plant hopper;aphid;rice leaf roller	borer;rice plant hopper;aphid;rice leaf roller
borer;rice plant hopper;rice leaf roller	borer;rice plant hopper;rice leaf roller
borer;rice plant hopper;rice leaf roller;	borer;rice plant hopper;rice leaf roller;
borer;rice planthopper;leaf roller	borer;rice planthopper;leaf roller
borers	borers
borers;armyworm	borers;armyworm
boring insect	boring insect
brassica juncea;cirsiium setosum;chenopodium album	brassica juncea;cirsiium setosum;chenopodium album
broadleaf weed	broadleaf weed
broadleaf weed;amaranthus tricolor;chenopodium album	broadleaf weed;amaranthus tricolor;chenopodium album
broadleaf weed;amaranthus tricolor;chenopodium album;abutilon theophrasti medic	broadleaf weed;amaranthus tricolor;chenopodium album;abutilon theophrasti medic
broadleaf weed;chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder;barnyard grass	broadleaf weed;chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder;barnyard grass
broadleaf weed;chenopodium album;xanthium sibiricum patrin ex widder;amaranthus tricolor	broadleaf weed;chenopodium album;xanthium sibiricum patrin ex widder;amaranthus tricolor
broadleaf weed;ricinus communis;xanthium sibiricum patrin ex widder;barnyard grass	broadleaf weed;ricinus communis;xanthium sibiricum patrin ex widder;barnyard grass
cabbage worm	cabbage worm
cabbage worm;boring insect	cabbage worm;boring insect
castor-oil plant;xanthium sibiricum;barnyard grass	castor-oil plant;xanthium sibiricum;barnyard grass
caterpillar	caterpillar
caterpillar;aphid	caterpillar;aphid
caterpillar;borer	caterpillar;borer
caterpillar?acarid?borer	caterpillar?acarid?borer
caterpillar?borer	caterpillar?borer
caterpillar?corn borer	caterpillar?corn borer
caterpillar?cotton bollworm	caterpillar?cotton bollworm
caterpillarcorn borer	caterpillarcorn borer
chenopodium album	chenopodium album
chenopodium album weeds	chenopodium album weeds
chenopodium album;abutilon;	chenopodium album;abutilon;



chenopodium album;abutilon;cirsium setosum	chenopodium album;abutilon;cirsium setosum
chenopodium album;amaranth	chenopodium album;amaranth
chenopodium album;amaranthus	chenopodium album;amaranthus
chenopodium album;amaranthus retroflexus;xanthium	chenopodium album;amaranthus retroflexus;xanthium
chenopodium album;amaranthus tricolor	chenopodium album;amaranthus tricolor
chenopodium album;amaranthus tricolor;abutilon theophrasti medic	chenopodium album;amaranthus tricolor;abutilon theophrasti medic
chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder	chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder
chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder;1	chenopodium album;amaranthus tricolor;xanthium sibiricum patrin ex widder;1
chenopodium album;amaranthus tricolorxanthium sibiricum patrin ex widder;	chenopodium album;amaranthus tricolorxanthium sibiricum patrin ex widder;
chenopodium album;barnyard grass	chenopodium album;barnyard grass
chenopodium album;barnyard grass;amaranthus tricolor	chenopodium album;barnyard grass;amaranthus tricolor
chenopodium album;barnyard grass;amaranthus tricolor;	chenopodium album;barnyard grass;amaranthus tricolor;
chenopodium album;barnyard grass;amaranthus tricolor;pedaliaceae	chenopodium album;barnyard grass;amaranthus tricolor;pedaliaceae
chenopodium album;barnyard grass;green bristlegrass	chenopodium album;barnyard grass;green bristlegrass
chenopodium album;echinocloa colonum	chenopodium album;echinocloa colonum
chenopodium album;green bristlegrass	chenopodium album;green bristlegrass
chenopodium album;leaf mustard	chenopodium album;leaf mustard
chenopodium album;siberian cocklebur	chenopodium album;siberian cocklebur
chenopodium album;water barnyard grass	chenopodium album;water barnyard grass
chenopodium album;water barnyard grass;sambucus chinensis	chenopodium album;water barnyard grass;sambucus chinensis
chenopodium album;xanthium	chenopodium album;xanthium
chenopodium album;xanthium strumarium;crab grass	chenopodium album;xanthium strumarium;crab grass
chenopodium album?black nightshade	chenopodium album?black nightshade
chenopodium album?hemistepta grass	chenopodium album?hemistepta grass
chenopodium album?sonchus brachyotus	chenopodium album?sonchus brachyotus
chenopodium albumamaranth	chenopodium albumamaranth
chenopodium albumamaranthus tricolor;	chenopodium albumamaranthus tricolor;
chenopodium albedigitaria sanguinalis	chenopodium albedigitaria sanguinalis
chenopodium albumechinocloa colonum	chenopodium albumechinocloa colonum
chenopodium albumsiberia cocklebur	chenopodium albumsiberia cocklebur
chenopodium album□abutilon fibre□xanthium strumarium	chenopodium album□abutilon fibre□xanthium strumarium
chenopodium album□sheathed monochoria herb□abutilon fibre	chenopodium album□sheathed monochoria herb□abutilon fibre
chilo suppressalis walker	chilo suppressalis walker
chilo suppressalis	chilo suppressalis
chilo suppressalis;	chilo suppressalis;

chilo suppressalis; yellow rice borer; rice planthopper; leaf roller	chilo suppressalis; yellow rice borer; rice planthopper; leaf roller
chilo suppressalis; yellow rice borer; rice planthopper; rice leaf folder	chilo suppressalis; yellow rice borer; rice planthopper; rice leaf folder
chilo suppressalis;cnaphalocrocis medinalis	chilo suppressalis;cnaphalocrocis medinalis
chilo suppressalis;cnaphalocrocis medinalis guenee	chilo suppressalis;cnaphalocrocis medinalis guenee
chilo suppressalis;leaf roller	chilo suppressalis;leaf roller
chilo suppressalis;rice leaf roller	chilo suppressalis;rice leaf roller
chilo suppressalis;yellow rice borer;rice planthopper;leaf roller	chilo suppressalis;yellow rice borer;rice planthopper;leaf roller
chilo suppressalis;yellow rice borer;rice planthopper;rice leaf folder	chilo suppressalis;yellow rice borer;rice planthopper;rice leaf folder
chilo suppressalis;yellow rice borer;rice planthopper;rice leaf folder;	chilo suppressalis;yellow rice borer;rice planthopper;rice leaf folder;
chilo suppressalis?rice leaf roller	chilo suppressalis?rice leaf roller
chilo suppressaliscnaphalocrocis medinalis guenee	chilo suppressaliscnaphalocrocis medinalis guenee
chilo suppressalisleaf roller	chilo suppressalisleaf roller
chilo suppressalis□yellow rice borer□rice planthopper□leaf roller	chilo suppressalis□yellow rice borer□rice planthopper□leaf roller
chlorotic disorder	chlorotic disorder
cirsium setosum;barnyard grass;chenopodium album	cirsium setosum;barnyard grass;chenopodium album
cirsium setosum;chenopodium album	cirsium setosum;chenopodium album
cirsium setosumbarnyard grasschenopodium album	cirsium setosumbarnyard grasschenopodium album
cnaphalocrocis medinalis	cnaphalocrocis medinalis
cnaphalocrocis medinalis guenee	cnaphalocrocis medinalis guenee
cnaphalocrocis medinalis□chilo suppressalis	cnaphalocrocis medinalis□chilo suppressalis
cnaphalocrocis medinalis□	cnaphalocrocis medinalis□
commelina communis;pigweed;edible amaranth	commelina communis;pigweed;edible amaranth
control pests	control pests
control the pestilence	control the pestilence
control the plague	control the plague
convextricle sedge herb	convextricle sedge herb
convextricle sedge herb ;echinochloa crusgalli	convextricle sedge herb ;echinochloa crusgalli
convextricle sedge herb ;echinochloa crusgalli;monochoria vaginalis presl	convextricle sedge herb ;echinochloa crusgalli;monochoria vaginalis presl
convextricle sedge herb ;monochoria vaginalis presl	convextricle sedge herb ;monochoria vaginalis presl
convextricle sedge herb ;straw chenopodium album	convextricle sedge herb ;straw chenopodium album
convextricle sedge herb ;weeds	convextricle sedge herb ;weeds
copperleaf	copperleaf
copperleaf;horsetail ;nightshade	copperleaf;horsetail ;nightshade
copperleaf;shepherd's purse	copperleaf;shepherd's purse

copperleaf;straw cocklebur;free of chargen bristlegrass ;straw chenopodium album;portulacae	copperleaf;straw cocklebur;free of chargen bristlegrass ;straw chenopodium album;portulacae
corn armyworm;athetis lepigone	corn armyworm;athetis lepigone
corn borer	corn borer
corn borer ;□□□	corn borer ;□□□
corn borer; grass green; moth	corn borer; grass green; moth
corn borer;aphid	corn borer;aphid
corn borer;armyworm	corn borer;armyworm
corn borer;armyworm ;aphid	corn borer;armyworm ;aphid
corn borer;armyworm;aphid	corn borer;armyworm;aphid
corn borer;corn aphid	corn borer;corn aphid
corn borer;corn armyworm	corn borer;corn armyworm
corn borer;loxostege sticticalis	corn borer;loxostege sticticalis
corn earworm	corn earworm
corn membrane	corn membrane
corn snail;oriental armyworm	corn snail;oriental armyworm
cotton bollworm	cotton bollworm
crabgrass;amaranthus retroflexus l; ;copperleaf	crabgrass;amaranthus retroflexus l; ;copperleaf
crabgrass;anti tooth amaranth;straw chenopodium album	crabgrass;anti tooth amaranth;straw chenopodium album
crabgrass;portulacae	crabgrass;portulacae
crabgrass;straw chenopodium album	crabgrass;straw chenopodium album
crabgrass;straw chenopodium album;straw cocklebur	crabgrass;straw chenopodium album;straw cocklebur
crabgrass;straw cocklebur	crabgrass;straw cocklebur
crabgrass;straw cocklebur;straw chenopodium album	crabgrass;straw cocklebur;straw chenopodium album
cyperaceae weeds	cyperaceae weeds
cyperus rotundus l; setaria viridis barnyard grass monochoria vaginalis	cyperus rotundus l; setaria viridis barnyard grass monochoria vaginalis
desinsectionsterilization	desinsectionsterilization
diaphania py10alis walker	diaphania py10alis walker
digitaria sanguinalis green bristlegrass	digitaria sanguinalis green bristlegrass
digitaria sanguinalis scop;;straw chenopodium album	digitaria sanguinalis scop;;straw chenopodium album
digitaria sanguinalis;echinochloa colonum	digitaria sanguinalis;echinochloa colonum
disease	disease
disease ; pathogen	disease ; pathogen
disease-resistant;drought	disease-resistant;drought
disease;sterilize	disease;sterilize
diseases	diseases
don't know	don't know
don't know ; no answer	don't know ; no answer
downy mildew	downy mildew

drilgrass	drilgrass
drilgrass ;thorn vegetables	drilgrass ;thorn vegetables
dwarf	dwarf
dwarf;height control	dwarf;height control
dwarf;take root;strengthen root	dwarf;take root;strengthen root
echinochloa caudata	echinochloa caudata
echinochloa caudata ;heterotype sedge	echinochloa caudata ;heterotype sedge
echinochloa caudata ;phlegmarirus carinatusdesv; ching	echinochloa caudata ;phlegmarirus carinatusdesv; ching
echinochloa caudata ;phlegmarirus carinatusdesv; ching ;monochoria vaginalis presl ;sedge ;fescue	echinochloa caudata ;phlegmarirus carinatusdesv; ching ;monochoria vaginalis presl ;sedge ;fescue
echinochloa caudata;green bristlegrass ;alopecurus aequalis;goosegrass;	echinochloa caudata;green bristlegrass ;alopecurus aequalis;goosegrass;
echinochloa colonum	echinochloa colonum
echinochloa colonum ; chenopodium album	echinochloa colonum ; chenopodium album
echinochloa colonum ; setaria viridis	echinochloa colonum ; setaria viridis
echinochloa colonum ;chenopodium album	echinochloa colonum ;chenopodium album
echinochloa colonum ;cocklebur	echinochloa colonum ;cocklebur
echinochloa colonum ;crabgrass	echinochloa colonum ;crabgrass
echinochloa colonum ;setaria viridis	echinochloa colonum ;setaria viridis
echinochloa colonum ;siberia cocklebur	echinochloa colonum ;siberia cocklebur
echinochloa colonum ;velvetleaf	echinochloa colonum ;velvetleaf
echinochloa colonum ;weeds	echinochloa colonum ;weeds
echinochloa colonum ? digitaria sanguinalis	echinochloa colonum ? digitaria sanguinalis
echinochloa colonum ?amaranthus	echinochloa colonum ?amaranthus
echinochloa colonum ?amaranthus tricolor l;	echinochloa colonum ?amaranthus tricolor l;
echinochloa colonum ?broad weeds	echinochloa colonum ?broad weeds
echinochloa colonum ?broad-leaf weeds	echinochloa colonum ?broad-leaf weeds
echinochloa colonum ?chenopodium album	echinochloa colonum ?chenopodium album
echinochloa colonum ?field sowthistle herb	echinochloa colonum ?field sowthistle herb
echinochloa colonum ?green bristlegrass	echinochloa colonum ?green bristlegrass
echinochloa colonum ?portulaca oleracea	echinochloa colonum ?portulaca oleracea
echinochloa colonum ?setaria viridis	echinochloa colonum ?setaria viridis
echinochloa colonum ?siberia cocklebur	echinochloa colonum ?siberia cocklebur
echinochloa colonum ?sonchus brachyotus	echinochloa colonum ?sonchus brachyotus
echinochloa colonum ?weed	echinochloa colonum ?weed
echinochloa colonum ?weeds	echinochloa colonum ?weeds
echinochloa colonum amaranthus	echinochloa colonum amaranthus
echinochloa colonum amaranthus mangostanus	echinochloa colonum amaranthus mangostanus
echinochloa colonum broad-leaf weeds	echinochloa colonum broad-leaf weeds
echinochloa colonum chenopodium album	echinochloa colonum chenopodium album

echinochloa colonum commelina communis	echinochloa colonum commelina communis
echinochloa colonum field sowthistle herb	echinochloa colonum field sowthistle herb
echinochloa colonum green bristlegrass	echinochloa colonum green bristlegrass
echinochloa colonum portulaca oleracea	echinochloa colonum portulaca oleracea
echinochloa colonum setaria viridis	echinochloa colonum setaria viridis
echinochloa colonum siberia cocklebur	echinochloa colonum siberia cocklebur
echinochloa colonum sonchus brachyotus	echinochloa colonum sonchus brachyotus
echinochloa colonum thorn vegetable	echinochloa colonum thorn vegetable
echinochloa colonum weed	echinochloa colonum weed
echinochloa colonum weeds	echinochloa colonum weeds
echinochloa colonum witloof chicory	echinochloa colonum witloof chicory
echinochloa colonum; amaranthus	echinochloa colonum; amaranthus
echinochloa colonum; chenopodium album	echinochloa colonum; chenopodium album
echinochloa colonum; cocklebur	echinochloa colonum; cocklebur
echinochloa colonum; green bristlegrass	echinochloa colonum; green bristlegrass
echinochloa colonum; herb of common crabgrass	echinochloa colonum; herb of common crabgrass
echinochloa colonum; kochia	echinochloa colonum; kochia
echinochloa colonum; purslane	echinochloa colonum; purslane
echinochloa colonum; symphytum	echinochloa colonum; symphytum
echinochloa colonum; velvetleaf	echinochloa colonum; velvetleaf
echinochloa colonum; weeds	echinochloa colonum; weeds
echinochloa colonum;abutilon theophrasti medic	echinochloa colonum;abutilon theophrasti medic
echinochloa colonum;chenopodium album	echinochloa colonum;chenopodium album
echinochloa colonum;cocklebur	echinochloa colonum;cocklebur
echinochloa colonum;crabgrass	echinochloa colonum;crabgrass
echinochloa colonum;sonchus brachyotus	echinochloa colonum;sonchus brachyotus
echinochloa colonum;symphytum	echinochloa colonum;symphytum
echinochloa colonum;weeds	echinochloa colonum;weeds
echinochloa colonum;weedss	echinochloa colonum;weedss
echinochloa colonum? green bristlegrass	echinochloa colonum? green bristlegrass
echinochloa colonum? sonchus brachyotus	echinochloa colonum? sonchus brachyotus
echinochloa colonum?chenopodium album	echinochloa colonum?chenopodium album
echinochloa colonum?nightshade	echinochloa colonum?nightshade
echinochloa colonumchenopodium album	echinochloa colonumchenopodium album
echinochloa colonumdigitaria sanguinalis	echinochloa colonumdigitaria sanguinalis
echinochloa colonumgreen bristlegrass	echinochloa colonumgreen bristlegrass
echinochloa colonumsambucus chinensis	echinochloa colonumsambucus chinensis
echinochloa colonumweed	echinochloa colonumweed
echinochloa crusgalli	echinochloa crusgalli

echinochloa crusgalli;	echinochloa crusgalli;
echinochloa crusgalli; eleusine indica;eleocharis yokoscensis;ammannia baccifera;monochoria vaginalis	echinochloa crusgalli; eleusine indica;eleocharis yokoscensis;ammannia baccifera;monochoria vaginalis
echinochloa crusgalli;;straw chenopodium album	echinochloa crusgalli;;straw chenopodium album
echinochloa crusgalli;amaranthus retroflexus l;	echinochloa crusgalli;amaranthus retroflexus l;
echinochloa crusgalli;amaranthus retroflexus l; ;copperleaf	echinochloa crusgalli;amaranthus retroflexus l; ;copperleaf
echinochloa crusgalli;amaranthus retroflexus l; ;horsetail ;free of chargen bristlegrass	echinochloa crusgalli;amaranthus retroflexus l; ;horsetail ;free of chargen bristlegrass
echinochloa crusgalli;amaranthus retroflexus l; ;lyrate hemistepta herb	echinochloa crusgalli;amaranthus retroflexus l; ;lyrate hemistepta herb
echinochloa crusgalli;anti tooth amaranth	echinochloa crusgalli;anti tooth amaranth
echinochloa crusgalli;anti tooth amaranth;nightshade	echinochloa crusgalli;anti tooth amaranth;nightshade
echinochloa crusgalli;anti tooth amaranth;straw chenopodium album	echinochloa crusgalli;anti tooth amaranth;straw chenopodium album
echinochloa crusgalli;broad-leaved weeds	echinochloa crusgalli;broad-leaved weeds
echinochloa crusgalli;convexutricle sedge herb	echinochloa crusgalli;convexutricle sedge herb
echinochloa crusgalli;convexutricle sedge herb ;crabgrass	echinochloa crusgalli;convexutricle sedge herb ;crabgrass
echinochloa crusgalli;convexutricle sedge herb ;eleusine indica	echinochloa crusgalli;convexutricle sedge herb ;eleusine indica
echinochloa crusgalli;convexutricle sedge herb ;free of chargen bristlegrass	echinochloa crusgalli;convexutricle sedge herb ;free of chargen bristlegrass
echinochloa crusgalli;convexutricle sedge herb ;monochoria vaginalis presl	echinochloa crusgalli;convexutricle sedge herb ;monochoria vaginalis presl
echinochloa crusgalli;convexutricle sedge herb ;portulacae	echinochloa crusgalli;convexutricle sedge herb ;portulacae
echinochloa crusgalli;convexutricle sedge herb ;scirpus tabernaemontani	echinochloa crusgalli;convexutricle sedge herb ;scirpus tabernaemontani
echinochloa crusgalli;convexutricle sedge herb ;straw chenopodium album	echinochloa crusgalli;convexutricle sedge herb ;straw chenopodium album
echinochloa crusgalli;copperleaf	echinochloa crusgalli;copperleaf
echinochloa crusgalli;crabgrass;	echinochloa crusgalli;crabgrass;
echinochloa crusgalli;crabgrass;anti tooth amaranth	echinochloa crusgalli;crabgrass;anti tooth amaranth
echinochloa crusgalli;crabgrass;eleusine indica	echinochloa crusgalli;crabgrass;eleusine indica
echinochloa crusgalli;crabgrass;portulaca oleracea	echinochloa crusgalli;crabgrass;portulaca oleracea
echinochloa crusgalli;crabgrass;shepherd's purse	echinochloa crusgalli;crabgrass;shepherd's purse
echinochloa crusgalli;crabgrass;shepherd's purse;nightshade	echinochloa crusgalli;crabgrass;shepherd's purse;nightshade
echinochloa crusgalli;crabgrass;shepherd's purse;straw chenopodium album	echinochloa crusgalli;crabgrass;shepherd's purse;straw chenopodium album
echinochloa crusgalli;crabgrass;straw chenopodium album	echinochloa crusgalli;crabgrass;straw chenopodium album
echinochloa crusgalli;crabgrass;straw cocklebur	echinochloa crusgalli;crabgrass;straw cocklebur
echinochloa crusgalli;cyperus;euphorbia lathylris	echinochloa crusgalli;cyperus;euphorbia lathylris
echinochloa crusgalli;digitaria sanguinalis scop;;straw cocklebur	echinochloa crusgalli;digitaria sanguinalis scop;;straw cocklebur
echinochloa crusgalli;eleusine indica	echinochloa crusgalli;eleusine indica

echinochloa crusgalli;eleusine indica;convexutricle sedge herb	echinochloa crusgalli;eleusine indica;convexutricle sedge herb
echinochloa crusgalli;eleusine indica;crabgrass	echinochloa crusgalli;eleusine indica;crabgrass
echinochloa crusgalli;eleusine indica;free of chargen bristlegrass	echinochloa crusgalli;eleusine indica;free of chargen bristlegrass
echinochloa crusgalli;eleusine indica;gulfweed	echinochloa crusgalli;eleusine indica;gulfweed
echinochloa crusgalli;eleusine indica;horsetail	echinochloa crusgalli;eleusine indica;horsetail
echinochloa crusgalli;eleusine indica;monochoria vaginalis presl	echinochloa crusgalli;eleusine indica;monochoria vaginalis presl
echinochloa crusgalli;eleusine indica;nightshade	echinochloa crusgalli;eleusine indica;nightshade
echinochloa crusgalli;eleusine indica;portulacae	echinochloa crusgalli;eleusine indica;portulacae
echinochloa crusgalli;eleusine indica;straw chenopodium album	echinochloa crusgalli;eleusine indica;straw chenopodium album
echinochloa crusgalli;eleusine indica;straw cocklebur	echinochloa crusgalli;eleusine indica;straw cocklebur
echinochloa crusgalli;eleusine indica;straw cocklebur;	echinochloa crusgalli;eleusine indica;straw cocklebur;
echinochloa crusgalli;eleusine indica;subprostrate sophora	echinochloa crusgalli;eleusine indica;subprostrate sophora
echinochloa crusgalli;eleusine indicaportulacae	echinochloa crusgalli;eleusine indicaportulacae
echinochloa crusgalli;free of chargen bristlegrass	echinochloa crusgalli;free of chargen bristlegrass
echinochloa crusgalli;free of chargen bristlegrass ;crabgrass	echinochloa crusgalli;free of chargen bristlegrass ;crabgrass
echinochloa crusgalli;free of chargen bristlegrass ;eleusine indica;	echinochloa crusgalli;free of chargen bristlegrass ;eleusine indica;
echinochloa crusgalli;free of chargen bristlegrass ;horsetail	echinochloa crusgalli;free of chargen bristlegrass ;horsetail
echinochloa crusgalli;free of chargen bristlegrass ;horsetail ;straw chenopodium album;portulacae	echinochloa crusgalli;free of chargen bristlegrass ;horsetail ;straw chenopodium album;portulacae
echinochloa crusgalli;free of chargen bristlegrass ;horsetail ;wild millet	echinochloa crusgalli;free of chargen bristlegrass ;horsetail ;wild millet
echinochloa crusgalli;free of chargen bristlegrass ;monochoria vaginalis presl	echinochloa crusgalli;free of chargen bristlegrass ;monochoria vaginalis presl
echinochloa crusgalli;free of chargen bristlegrass ;portulaca oleracea	echinochloa crusgalli;free of chargen bristlegrass ;portulaca oleracea
echinochloa crusgalli;free of chargen bristlegrass ;straw chenopodium album	echinochloa crusgalli;free of chargen bristlegrass ;straw chenopodium album
echinochloa crusgalli;free of chargen bristlegrass ;straw chenopodium album;straw cocklebur	echinochloa crusgalli;free of chargen bristlegrass ;straw chenopodium album;straw cocklebur
echinochloa crusgalli;free of chargen bristlegrass ;straw cocklebur	echinochloa crusgalli;free of chargen bristlegrass ;straw cocklebur
echinochloa crusgalli;gulfweed;eleusine indica	echinochloa crusgalli;gulfweed;eleusine indica
echinochloa crusgalli;horsetail	echinochloa crusgalli;horsetail
echinochloa crusgalli;horsetail ;copperleaf	echinochloa crusgalli;horsetail ;copperleaf
echinochloa crusgalli;horsetail ;crabgrass	echinochloa crusgalli;horsetail ;crabgrass
echinochloa crusgalli;horsetail ;eleusine indica	echinochloa crusgalli;horsetail ;eleusine indica
echinochloa crusgalli;horsetail ;free of chargen bristlegrass	echinochloa crusgalli;horsetail ;free of chargen bristlegrass
echinochloa crusgalli;horsetail ;straw chenopodium album;amaranthus retroflexus l;	echinochloa crusgalli;horsetail ;straw chenopodium album;amaranthus retroflexus l;
echinochloa crusgalli;horsetail ;weeds	echinochloa crusgalli;horsetail ;weeds

echinochloa crusgalli;lettuce	echinochloa crusgalli;lettuce
echinochloa crusgalli;lyrate hemistepta herb	echinochloa crusgalli;lyrate hemistepta herb
echinochloa crusgalli;monochoria vaginalis presl	echinochloa crusgalli;monochoria vaginalis presl
echinochloa crusgalli;monochoria vaginalis presl ;convexutricle sedge herb	echinochloa crusgalli;monochoria vaginalis presl ;convexutricle sedge herb
echinochloa crusgalli;monochoria vaginalis presl ;crabgrass	echinochloa crusgalli;monochoria vaginalis presl ;crabgrass
echinochloa crusgalli;monochoria vaginalis presl ;eleusine indica	echinochloa crusgalli;monochoria vaginalis presl ;eleusine indica
echinochloa crusgalli;monochoria vaginalis presl ;free of chargen bristlegrass	echinochloa crusgalli;monochoria vaginalis presl ;free of chargen bristlegrass
echinochloa crusgalli;monochoria vaginalis presl ;portulaca oleracea	echinochloa crusgalli;monochoria vaginalis presl ;portulaca oleracea
echinochloa crusgalli;monochoria vaginalis presl ;portulacae	echinochloa crusgalli;monochoria vaginalis presl ;portulacae
echinochloa crusgalli;monochoria vaginalis presl ;straw chenopodium album	echinochloa crusgalli;monochoria vaginalis presl ;straw chenopodium album
echinochloa crusgalli;portulacae	echinochloa crusgalli;portulacae
echinochloa crusgalli;portulacae;copperleaf	echinochloa crusgalli;portulacae;copperleaf
echinochloa crusgalli;portulacae;free of chargen bristlegrass	echinochloa crusgalli;portulacae;free of chargen bristlegrass
echinochloa crusgalli;portulacae;straw chenopodium album;wild millet	echinochloa crusgalli;portulacae;straw chenopodium album;wild millet
echinochloa crusgalli;shepherd's purse	echinochloa crusgalli;shepherd's purse
echinochloa crusgalli;shepherd's purse;	echinochloa crusgalli;shepherd's purse;
echinochloa crusgalli;shepherd's purse;straw chenopodium album	echinochloa crusgalli;shepherd's purse;straw chenopodium album
echinochloa crusgalli;shepherd's purse;straw cocklebur	echinochloa crusgalli;shepherd's purse;straw cocklebur
echinochloa crusgalli;sonchus brachyotus dc	echinochloa crusgalli;sonchus brachyotus dc
echinochloa crusgalli;sonchus brachyotus dc;straw chenopodium album	echinochloa crusgalli;sonchus brachyotus dc;straw chenopodium album
echinochloa crusgalli;straw chenopodium album	echinochloa crusgalli;straw chenopodium album
echinochloa crusgalli;straw chenopodium album;anti tooth amaranth	echinochloa crusgalli;straw chenopodium album;anti tooth amaranth
echinochloa crusgalli;straw chenopodium album;convexutricle sedge herb	echinochloa crusgalli;straw chenopodium album;convexutricle sedge herb
echinochloa crusgalli;straw chenopodium album;crabgrass	echinochloa crusgalli;straw chenopodium album;crabgrass
echinochloa crusgalli;straw chenopodium album;nightshade	echinochloa crusgalli;straw chenopodium album;nightshade
echinochloa crusgalli;straw chenopodium album;shepherd's purse	echinochloa crusgalli;straw chenopodium album;shepherd's purse
echinochloa crusgalli;straw chenopodium album;straw cocklebur	echinochloa crusgalli;straw chenopodium album;straw cocklebur
echinochloa crusgalli;straw chenopodium album;weeds	echinochloa crusgalli;straw chenopodium album;weeds
echinochloa crusgalli;straw cocklebur	echinochloa crusgalli;straw cocklebur
echinochloa crusgalli;straw cocklebur;	echinochloa crusgalli;straw cocklebur;
echinochloa crusgalli;straw cocklebur;crabgrass;straw chenopodium album	echinochloa crusgalli;straw cocklebur;crabgrass;straw chenopodium album



echinochloa crusgalli;straw cocklebur;free of chargen bristlegrass	echinochloa crusgalli;straw cocklebur;free of chargen bristlegrass
echinochloa crusgalli;straw cocklebur;shepherd's purse;straw chenopodium album;wild millet	echinochloa crusgalli;straw cocklebur;shepherd's purse;straw chenopodium album;wild millet
echinochloa crusgalli;straw cocklebur;straw chenopodium album	echinochloa crusgalli;straw cocklebur;straw chenopodium album
echinochloa crusgalli;subprostrate sophora	echinochloa crusgalli;subprostrate sophora
echinochloa crusgalli;three-colored amaranth	echinochloa crusgalli;three-colored amaranth
echinochloa crusgalli;weeds	echinochloa crusgalli;weeds
echinochloa crusgalli;weeds;scirpus tabernaemontani	echinochloa crusgalli;weeds;scirpus tabernaemontani
echinochloa crusgalli;wild flower	echinochloa crusgalli;wild flower
echinochloa crusgalli;wild millet;crabgrass;nightshade;horsetail	echinochloa crusgalli;wild millet;crabgrass;nightshade;horsetail
echinochloa crusgalli;wild millet;horsetail	echinochloa crusgalli;wild millet;horsetail
echinochloa crusgalli;wild mushroom	echinochloa crusgalli;wild mushroom
echinochloa crusgalli; eleusine indica;eleocharis yokoscensis;ammannia baccifera;monochoria vaginalis	echinochloa crusgalli; eleusine indica;eleocharis yokoscensis;ammannia baccifera;monochoria vaginalis
echinochloa crusgalli;□□□	echinochloa crusgalli;□□□
edible amaranth;barnyard grass;rumex patientia;pigweed	edible amaranth;barnyard grass;rumex patientia;pigweed
edible amaranth;grey vegetable	edible amaranth;grey vegetable
edible amaranth;grey vegetable;xanthium sibiricum	edible amaranth;grey vegetable;xanthium sibiricum
edible amaranth;pigweed;abutilon theophrasti medic	edible amaranth;pigweed;abutilon theophrasti medic
edible amaranth;pigweed;orchid vegetable	edible amaranth;pigweed;orchid vegetable
edible amaranth?barnyard grass?rumex patientia?pigweed	edible amaranth?barnyard grass?rumex patientia?pigweed
eleusine indica;	eleusine indica;
eleusine indica;abutilon fibre;xanthium strumarium	eleusine indica;abutilon fibre;xanthium strumarium
eleusine indica;crabgrass;straw cocklebur	eleusine indica;crabgrass;straw cocklebur
eleusine indica;echinochloa crusgalli;anti tooth amaranth	eleusine indica;echinochloa crusgalli;anti tooth amaranth
eleusine indica;echinochloa crusgalli;free of chargen bristlegrass	eleusine indica;echinochloa crusgalli;free of chargen bristlegrass
eleusine indica□barnyard grass□setaria viridis□alopecurus aequalis	eleusine indica□barnyard grass□setaria viridis□alopecurus aequalis
empoasca flavescens	empoasca flavescens
evasive grass	evasive grass
evasive grass;goose grass	evasive grass;goose grass
exserohilum turcicum	exserohilum turcicum
extirpate weeds	extirpate weeds
false smut of rice ;rice blast ;bakanae disease of rice	false smut of rice ;rice blast ;bakanae disease of rice
false smut; rice blast; bakanae disease	false smut; rice blast; bakanae disease
false smut; rice blight	false smut; rice blight
field sowthistle herb	field sowthistle herb
foliar fertilizer bacteria	foliar fertilizer bacteria

foliar-fertilizer	foliar-fertilizer
frankliniella tenuicornis	frankliniella tenuicornis
frankliniella tenuicornis; mythimna separata	frankliniella tenuicornis; mythimna separata
free of chargen bristlegrass	free of chargen bristlegrass
free of chargen bristlegrass ;straw chenopodium album	free of chargen bristlegrass ;straw chenopodium album
free of chargen bristlegrass ;straw cocklebur	free of chargen bristlegrass ;straw cocklebur
fungus	fungus
goose grass	goose grass
goosefoots	goosefoots
grain plump	grain plump
grass	grass
grass ;evasive grass	grass ;evasive grass
grass tiller ;green bristlegrass	grass tiller ;green bristlegrass
grass;corn	grass;corn
grassl;;corn field	grassl;;corn field
gray dish	gray dish
gray dish;echinocloa colonum	gray dish;echinocloa colonum
green borer; moth; corn borer	green borer; moth; corn borer
green bristlegrass	green bristlegrass
green bristlegrass amaranthus	green bristlegrass amaranthus
green bristlegrass; barnyardgrass; alopecurus; goosegrass;	green bristlegrass; barnyardgrass; alopecurus; goosegrass;
green bristlegrass;abutilon fibre	green bristlegrass;abutilon fibre
green bristlegrass;amaranthus	green bristlegrass;amaranthus
green bristlegrass;barnyard grass	green bristlegrass;barnyard grass
green bristlegrass;chenopodium album;amaranthus	green bristlegrass;chenopodium album;amaranthus
green bristlegrass;eleusine indica	green bristlegrass;eleusine indica
green bristlegrass;goose grass;crab grass;nephrolepis auriculata l; trimen;alopecurus aequalis	green bristlegrass;goose grass;crab grass;nephrolepis auriculata l; trimen;alopecurus aequalis
green bristlegrass?echinocloa colonum	green bristlegrass?echinocloa colonum
green insects	green insects
green insects;borers	green insects;borers
green insects;underground pests	green insects;underground pests
green insects;worms	green insects;worms
green insectsworms	green insectsworms
grey speck disease	grey speck disease
grey vegetable;amaranthus retroflexus l; ;xanthium sibiricum	grey vegetable;amaranthus retroflexus l; ;xanthium sibiricum
grey vegetable;edible amaranth	grey vegetable;edible amaranth
grey vegetable;edible amaranth;barnyard grass;prickly vegetables	grey vegetable;edible amaranth;barnyard grass;prickly vegetables

grey vegetable;edible amaranth;barnyard grass;sonchus brachyotus;abutilon theophrasti medic	grey vegetable;edible amaranth;barnyard grass;sonchus brachyotus;abutilon theophrasti medic
grey vegetable;eupatorium coelestinum l;	grey vegetable;eupatorium coelestinum l;
grey vegetable;eupatorium coelestinum l; ;edible amaranth	grey vegetable;eupatorium coelestinum l; ;edible amaranth
grey vegetable;xanthium sibiricum;edible amaranth	grey vegetable;xanthium sibiricum;edible amaranth
grey vegetable?edible amaranth?barnyard grass?prickly vegetables	grey vegetable?edible amaranth?barnyard grass?prickly vegetables
grey vegetable?edible amaranth?barnyard grass?sonchus brachyotus?abutilon theophrasti medic	grey vegetable?edible amaranth?barnyard grass?sonchus brachyotus?abutilon theophrasti medic
grey vegetable?edible amaranth?xanthium sibiricum	grey vegetable?edible amaranth?xanthium sibiricum
grey vegetableedible amaranth	grey vegetableedible amaranth
growth regulator	growth regulator
growth-promoting	growth-promoting
gynura cusimbua;grass	gynura cusimbua;grass
hbb1	hbb1
height control	height control
helicoverpa armigera	helicoverpa armigera
herba portulacae;pigweed;abutilon fibre	herba portulacae;pigweed;abutilon fibre
horsetail ;wild millet	horsetail ;wild millet
hot stress disease	hot stress disease
improve the yield	improve the yield
increase production	increase production
increase yieldincrease production	increase yieldincrease production
inhibited growth	inhibited growth
injection	injection
inquisitor flavidula;armyworm	inquisitor flavidula;armyworm
insect	insect
insects	insects
isoprothiolane	isoprothiolane
japanese cutgrass;sedge	japanese cutgrass;sedge
kattapillar	kattapillar
kill aphids	kill aphids
kill effect	kill effect
kill fungi	kill fungi
kill insects	kill insects
kill pest	kill pest
kill pests	kill pests
kill the fungi	kill the fungi
killing aphids	killing aphids
killing fungi	killing fungi

killing fungus	killing fungus
killing insects	killing insects
killing insects ; fungi	killing insects ; fungi
killing pests	killing pests
knotweed;abutilon theophrasti medic	knotweed;abutilon theophrasti medic
l;hex;ra; sedge	l;hex;ra; sedge
laodelphax striatellus;cicadellidae	laodelphax striatellus;cicadellidae
late blight	late blight
late blight;	late blight;
late blight·	late blight·
leaf folder	leaf folder
leaf mustard ;black nightshade	leaf mustard ;black nightshade
leaf mustard;chenopodium album	leaf mustard;chenopodium album
leaf roller	leaf roller
leaf roller moth	leaf roller moth
leaf roller rice planthopper chilo suppressalis yellow rice borer	leaf roller rice planthopper chilo suppressalis yellow rice borer
leaf roller; rice blast ; rice blight; false smut	leaf roller; rice blast ; rice blight; false smut
leaf roller;b;ed sclerotial blight;rice worm disease	leaf roller;b;ed sclerotial blight;rice worm disease
leaf roller;plant hopper;b;ed sclerotial blight	leaf roller;plant hopper;b;ed sclerotial blight
leaf roller;rice planthopper	leaf roller;rice planthopper
leaf roller;rice worm disease;b;ed sclerotial blight	leaf roller;rice worm disease;b;ed sclerotial blight
leaf-roller?sesamia inferens walker	leaf-roller?sesamia inferens walker
leaf-rollerchilo suppressalis	leaf-rollerchilo suppressalis
leersi ahex;ra swartz□cyperus rotundus l;	leersi ahex;ra swartz□cyperus rotundus l;
leersia hex;ra ;sedge	leersia hex;ra ;sedge
leersia hex;ra?nutgrass flatsedge	leersia hex;ra?nutgrass flatsedge
leptochloa chinensis	leptochloa chinensis
leptochloa chinensis;barnyard grass	leptochloa chinensis;barnyard grass
lerodea eufala edwards	lerodea eufala edwards
lodging	lodging
lodging-resistant	lodging-resistant
low seeding agent	low seeding agent
ludwigia prostrata; monochoria vaginalis	ludwigia prostrata; monochoria vaginalis
mealworm;corn borer	mealworm;corn borer
micro element fertilizer;strengthen root	micro element fertilizer;strengthen root
micro element fertilizer;strengthen seedling	micro element fertilizer;strengthen seedling
millet food;amaranthus retroflexus l; ;pigweed;thorn vegetables	millet food;amaranthus retroflexus l; ;pigweed;thorn vegetables
millet food;drilgrass	millet food;drilgrass

millet food;green bristlegrass	millet food;green bristlegrass
millet food;leaf mustard	millet food;leaf mustard
millet food;xanthium sibiricum ;	millet food;xanthium sibiricum ;
monochoria korsakowii;barnyard grass;chenopodium album;amaranthus tricolor	monochoria korsakowii;barnyard grass;chenopodium album;amaranthus tricolor
monochoria vaginalis presl ;convexutricle sedge herb ;echinochloa crusgalli	monochoria vaginalis presl ;convexutricle sedge herb ;echinochloa crusgalli
monochoria vaginalis presl ;echinochloa crusgalli	monochoria vaginalis presl ;echinochloa crusgalli
monochoria vaginalis presl ;free of charge bristlegrass	monochoria vaginalis presl ;free of charge bristlegrass
monochoria vaginalis presl ;monochoria korsakowii ;ludwigia prostrata roxb	monochoria vaginalis presl ;monochoria korsakowii ;ludwigia prostrata roxb
monochoria vaginalis presl ;straw cocklebur	monochoria vaginalis presl ;straw cocklebur
monochoria vaginalis?monochoria korsakowii?ludwigia prostrata	monochoria vaginalis?monochoria korsakowii?ludwigia prostrata
monochoria vaginalis?monochoria korsakowii?ludwigia prostrate roxb	monochoria vaginalis?monochoria korsakowii?ludwigia prostrate roxb
monochoria vaginalis□monochoria korsakowii□ludwigia prostrata	monochoria vaginalis□monochoria korsakowii□ludwigia prostrata
moth	moth
mythimna separata	mythimna separata
mythimna separata corn borer	mythimna separata corn borer
nettle	nettle
nettle;xanthium sibiricum	nettle;xanthium sibiricum
nightshade	nightshade
nightshade;copperleaf	nightshade;copperleaf
nigrities artis	nigrities artis
no answer	no answer
none	none
nothing	nothing
nutritious grass	nutritious grass
orchid vegetable;barnyard grass	orchid vegetable;barnyard grass
orchid vegetable?polygonum?pigweed?barnyard grass	orchid vegetable?polygonum?pigweed?barnyard grass
ostrinia nubilalis	ostrinia nubilalis
pest	pest
pest ; diseases	pest ; diseases
pest targeted; disease targeted	pest targeted; disease targeted
pest targeted; disease targeted;□□	pest targeted; disease targeted;□□
pest; disease	pest; disease
pestilence	pestilence
pests	pests
pests control	pests control

pests; diseases	pests; diseases
pigweed	pigweed
pigweed;amaranthus retroflexus l;	pigweed;amaranthus retroflexus l;
pigweed;amaranthus retroflexus l; ;thorn vegetables	pigweed;amaranthus retroflexus l; ;thorn vegetables
pigweed;barnyard grass;edible amaranth;xanthium;commelina communis	pigweed;barnyard grass;edible amaranth;xanthium;commelina communis
pigweed;barnyard grass;polygonum;green bristlegrass	pigweed;barnyard grass;polygonum;green bristlegrass
pigweed;edible amaranth	pigweed;edible amaranth
pigweed;edible amaranth;barnyard grass;green bristlegrass;prickly vegetables	pigweed;edible amaranth;barnyard grass;green bristlegrass;prickly vegetables
pigweed;millet food;amaranthus retroflexus l;	pigweed;millet food;amaranthus retroflexus l;
pigweed;polygonum;orchid vegetable;barnyard grass	pigweed;polygonum;orchid vegetable;barnyard grass
pigweed;xanthium sibiricum	pigweed;xanthium sibiricum
pigweed?edible amaranth?barnyard grass?green bristlegrass?prickly vegetables	pigweed?edible amaranth?barnyard grass?green bristlegrass?prickly vegetables
pigweed?polygonum?orchid vegetable?barnyard grass	pigweed?polygonum?orchid vegetable?barnyard grass
pigweed·	pigweed·
plague	plague
plant hopper; b;ed sclerotial blight	plant hopper; b;ed sclerotial blight
plant hopper□b;ed sclerotial blight	plant hopper□b;ed sclerotial blight
planthoppers	planthoppers
planthoppers; vertical leaf borer	planthoppers; vertical leaf borer
planthoppers; vertical leaf borer; stem borer; borer	planthoppers; vertical leaf borer; stem borer; borer
polygonum senticosum;amaranthus retroflexus	polygonum senticosum;amaranthus retroflexus
polygonum;barnyard grass	polygonum;barnyard grass
polygonum;cirsium setosum	polygonum;cirsium setosum
polygonum;green bristlegrass	polygonum;green bristlegrass
polygonum;xanthium	polygonum;xanthium
portulaca oleracea cirsium setosum;barnyard grass	portulaca oleracea cirsium setosum;barnyard grass
portulaca oleracea;echinochloa colonum	portulaca oleracea;echinochloa colonum
portulacae;	portulacae;
portulacae;amaranthus retroflexus l; ;straw chenopodium album	portulacae;amaranthus retroflexus l; ;straw chenopodium album
portulacae;echinochloa crusgalli;	portulacae;echinochloa crusgalli;
portulacae;straw chenopodium album	portulacae;straw chenopodium album
potato black scurf;late blight	potato black scurf;late blight
potato black scurf;shot hole	potato black scurf;shot hole
potato late blight	potato late blight
powdery mildew□downy mildew□rust disease□blight□rice blast□smut□leaf spot disease	powdery mildew□downy mildew□rust disease□blight□rice blast□smut□leaf spot disease
prevent cnaphalocrocis medinalis guenee	prevent cnaphalocrocis medinalis guenee

prevent euphorbialathyrisl ; barnyard grass	prevent euphorbialathyrisl ; barnyard grass
prevent euphorbialathyrisl;barnyard grass	prevent euphorbialathyrisl;barnyard grass
prevent lodging	prevent lodging
prevent mildew	prevent mildew
prevent rice planthopper	prevent rice planthopper
promote plant growth	promote plant growth
promote the growth of crop	promote the growth of crop
purslane;nightshade	purslane;nightshade
regulator	regulator
resistant lodging	resistant lodging
resistant to lodging	resistant to lodging
resisting to lodging	resisting to lodging
rice bakanae disease; rice false smut;rice blast	rice bakanae disease; rice false smut;rice blast
rice blast	rice blast
rice blast ;false smut of rice	rice blast ;false smut of rice
rice blast ;sheath blight ;false smut of rice	rice blast ;sheath blight ;false smut of rice
rice blast;b;ed sclerotial blight;false smut	rice blast;b;ed sclerotial blight;false smut
rice blast;gummy stem blight	rice blast;gummy stem blight
rice blast;rice false smut	rice blast;rice false smut
rice blast?b;ed sclerotial blight?rice false smut	rice blast?b;ed sclerotial blight?rice false smut
rice blast?rice false smut	rice blast?rice false smut
rice blast?sheath blight?rice false smut	rice blast?sheath blight?rice false smut
rice blast□b;ed sclerotial blight□false smut□	rice blast□b;ed sclerotial blight□false smut□
rice borer	rice borer
rice false smut;rice blast	rice false smut;rice blast
rice false smut?rice blast?bakanae disease	rice false smut?rice blast?bakanae disease
rice fulgid	rice fulgid
rice leaf folder	rice leaf folder
rice leaf folder ; all other pests	rice leaf folder ; all other pests
rice leaf roller	rice leaf roller
rice leaf roller ;nilaparvata lugens	rice leaf roller ;nilaparvata lugens
rice leaf roller;borer	rice leaf roller;borer
rice leaf roller;borer□rice plant hopper	rice leaf roller;borer□rice plant hopper
rice leaf roller;brown rice planthopper	rice leaf roller;brown rice planthopper
rice leaf roller;brown rice planthopper ;strong seeding	rice leaf roller;brown rice planthopper ;strong seeding
rice leaf roller;nilaparvata lugens;sound seedling	rice leaf roller;nilaparvata lugens;sound seedling
rice leaf roller;rice plant hopper	rice leaf roller;rice plant hopper
rice leaf roller?chilo suppressalis	rice leaf roller?chilo suppressalis
rice leaf roller?chilo suppressalis;	rice leaf roller?chilo suppressalis;

rice plant hopper	rice plant hopper
rice plant hopper;aphid	rice plant hopper;aphid
rice plant hopper;borer;rice leaf roller	rice plant hopper;borer;rice leaf roller
rice plant hopper;rice leaf roller; borer	rice plant hopper;rice leaf roller; borer
rice plant hopper;rice leaf roller;borer	rice plant hopper;rice leaf roller;borer
rice planthopper	rice planthopper
rice planthopper ;cnaphalocrocis medinalis	rice planthopper ;cnaphalocrocis medinalis
rice planthopper ;cnaphalocrocis medinalis ;chilo suppressalis ;tryporyza incertulas	rice planthopper ;cnaphalocrocis medinalis ;chilo suppressalis ;tryporyza incertulas
rice planthopper rice leaf roller	rice planthopper rice leaf roller
rice planthopper rice leaf roller rice stem borer yellow rice borer	rice planthopper rice leaf roller rice stem borer yellow rice borer
rice planthopper; leaf roller; chilo suppressalis; yellow rice borer	rice planthopper; leaf roller; chilo suppressalis; yellow rice borer
rice planthopper;aphid	rice planthopper;aphid
rice planthopper;borer	rice planthopper;borer
rice planthopper;borer;leaf roller	rice planthopper;borer;leaf roller
rice planthopper;borer;leaf roller moth	rice planthopper;borer;leaf roller moth
rice planthopper;borer;leaf roller moth3	rice planthopper;borer;leaf roller moth3
rice planthopper;chilo suppressalis;yellow rice borer;leaf roller	rice planthopper;chilo suppressalis;yellow rice borer;leaf roller
rice planthopper;leaf roller	rice planthopper;leaf roller
rice planthopper;leaf roller moth	rice planthopper;leaf roller moth
rice planthopper;leaf roller;chilo suppressalis;yellow rice borer	rice planthopper;leaf roller;chilo suppressalis;yellow rice borer
rice planthopper;rice leaf folder;chilo suppressalis;yellow rice borer	rice planthopper;rice leaf folder;chilo suppressalis;yellow rice borer
rice planthopper?	rice planthopper?
rice planthopper?aphid	rice planthopper?aphid
rice planthopper?cnaphalocrocis medinalis	rice planthopper?cnaphalocrocis medinalis
rice planthopper?cnaphalocrocis medinalis?chilo suppressalis?scirpophaga incertulas	rice planthopper?cnaphalocrocis medinalis?chilo suppressalis?scirpophaga incertulas
rice planthopper?leaf-roller	rice planthopper?leaf-roller
rice planthopper?leaf-roller?chilo suppressalis?tryporyza incertulas	rice planthopper?leaf-roller?chilo suppressalis?tryporyza incertulas
rice planthopper□leaf roller□chilo suppressalis□yellow rice borer	rice planthopper□leaf roller□chilo suppressalis□yellow rice borer
rice sheath blight	rice sheath blight
rice stem borer	rice stem borer
rice stem borer yellow rice borer rice leaf roller rice planthopper	rice stem borer yellow rice borer rice leaf roller rice planthopper
rice stem borer yellow rice borer rice planthopper rice leaf roller	rice stem borer yellow rice borer rice planthopper rice leaf roller



rice stem borer□yellow rice borer□rice planthopper□rice leaf roller	rice stem borer□yellow rice borer□rice planthopper□rice leaf roller
ricinus communis;xanthium sibiricum patrin ex widder;barnyard grass	ricinus communis;xanthium sibiricum patrin ex widder;barnyard grass
sambucus chinensis;amaranthus	sambucus chinensis;amaranthus
sambucus chinensis;chenopodium album;green bristlegrass	sambucus chinensis;chenopodium album;green bristlegrass
sambucus chinensisechinochloa colonum	sambucus chinensisechinochloa colonum
scab	scab
scab?scab	scab?scab
scirpus triqueter?commelina diffusa	scirpus triqueter?commelina diffusa
setaria viridis	setaria viridis
setaria viridis;echinochloa crusgalli;shepherd's purse;straw cocklebur	setaria viridis;echinochloa crusgalli;shepherd's purse;straw cocklebur
setaria viridis?barnyard grass?chenopodium album	setaria viridis?barnyard grass?chenopodium album
sheath	sheath
sheath blight	sheath blight
sheath blight;□□□	sheath blight;□□□
shepherd's purse;crabgrass	shepherd's purse;crabgrass
shepherd's purse;echinochloa crusgalli;weeds	shepherd's purse;echinochloa crusgalli;weeds
shepherd's purse;nightshade;crabgrass	shepherd's purse;nightshade;crabgrass
shepherd's purse;straw chenopodium album;straw cocklebur	shepherd's purse;straw chenopodium album;straw cocklebur
shepherd's purse;□□;echinochloa crusgalli	shepherd's purse;□□;echinochloa crusgalli
shot hole	shot hole
siberia cocklebur	siberia cocklebur
siberia cocklebur?weeds	siberia cocklebur?weeds
siberian cocklebur	siberian cocklebur
snout moth's larva	snout moth's larva
snout moth's larva;leaf roller;plant hopper;b;ed sclerotial blight	snout moth's larva;leaf roller;plant hopper;b;ed sclerotial blight
snout moth's larva□leaf roller	snout moth's larva□leaf roller
sogatella furcifera	sogatella furcifera
sonchus brachyotus?chenopodium album	sonchus brachyotus?chenopodium album
spraying pesticide	spraying pesticide
stem borer	stem borer
sterilization	sterilization
sterilization ; yield increase	sterilization ; yield increase
sterilization desinsection	sterilization desinsection
sterilization killing aphid	sterilization killing aphid
sterilization killing small fly	sterilization killing small fly
sterilize	sterilize

straw	straw
straw chenopodium album	straw chenopodium album
straw chenopodium album;amaranthus retroflexus l; ;shepherd's purse	straw chenopodium album;amaranthus retroflexus l; ;shepherd's purse
straw chenopodium album;anti tooth amaranth;copperleaf	straw chenopodium album;anti tooth amaranth;copperleaf
straw chenopodium album;copperleaf	straw chenopodium album;copperleaf
straw chenopodium album;crabgrass	straw chenopodium album;crabgrass
straw chenopodium album;crabgrass;straw cocklebur	straw chenopodium album;crabgrass;straw cocklebur
straw chenopodium album;echinochloa crusgalli;crabgrass;eleusine indica	straw chenopodium album;echinochloa crusgalli;crabgrass;eleusine indica
straw chenopodium album;monochoria vaginalis presl	straw chenopodium album;monochoria vaginalis presl
straw chenopodium album;nightshade;shepherd's purse	straw chenopodium album;nightshade;shepherd's purse
straw chenopodium album;shepherd's purse;copperleaf	straw chenopodium album;shepherd's purse;copperleaf
straw chenopodium album;straw cocklebur	straw chenopodium album;straw cocklebur
straw chenopodium album;straw cocklebur;shepherd's purse	straw chenopodium album;straw cocklebur;shepherd's purse
straw chenopodium albumstraw cocklebur	straw chenopodium albumstraw cocklebur
straw cocklebur	straw cocklebur
straw cocklebur;crabgrass	straw cocklebur;crabgrass
straw cocklebur;digitaria sanguinalis scop;	straw cocklebur;digitaria sanguinalis scop;
straw cocklebur;echinochloa crusgalli	straw cocklebur;echinochloa crusgalli
straw cocklebur;echinochloa crusgalli;crabgrass;shepherd's purse;nightshade	straw cocklebur;echinochloa crusgalli;crabgrass;shepherd's purse;nightshade
straw cocklebur;echinochloa crusgalli;shepherd's purse;straw chenopodium album	straw cocklebur;echinochloa crusgalli;shepherd's purse;straw chenopodium album
straw cocklebur;echinochloa crusgalli;straw chenopodium album	straw cocklebur;echinochloa crusgalli;straw chenopodium album
straw cocklebur;gulfweed	straw cocklebur;gulfweed
straw cocklebur;portulaca oleracea	straw cocklebur;portulaca oleracea
straw cocklebur;portulacae;free of chargen bristlegrass	straw cocklebur;portulacae;free of chargen bristlegrass
straw cocklebur;shepherd's purse;echinochloa crusgalli	straw cocklebur;shepherd's purse;echinochloa crusgalli
straw cocklebur;shepherd's purse;straw chenopodium album;copperleaf	straw cocklebur;shepherd's purse;straw chenopodium album;copperleaf
straw cocklebur;straw chenopodium album	straw cocklebur;straw chenopodium album
straw cockleburstraw	straw cockleburstraw
straw cockleburweeds	straw cockleburweeds
straw crabgrass	straw crabgrass
straw green bristlegrass	straw green bristlegrass
straw straw chenopodium album	straw straw chenopodium album
straw weed	straw weed
straw; chenopodium album	straw; chenopodium album
straw; straw cocklebur	straw; straw cocklebur

straw;bracts vegetables	straw;bracts vegetables
straw;straw cocklebur	straw;straw cocklebur
straw;weeds;straw cocklebur	straw;weeds;straw cocklebur
strawbracts vegetables	strawbracts vegetables
strawchenopodium album	strawchenopodium album
strawweeds	strawweeds
subprostrate sophora;straw chenopodium album	subprostrate sophora;straw chenopodium album
symphytum	symphytum
take root;strengthen root	take root;strengthen root
take root;strengthen seedling	take root;strengthen seedling
tar spot disease;scab	tar spot disease;scab
thanatephorus cucumeris	thanatephorus cucumeris
thanatephorus cucumeris;rice bent disease ;rice blast?	thanatephorus cucumeris;rice bent disease ;rice blast
thorn vegetable echinochloa colonum	thorn vegetable echinochloa colonum
thorn vegetable;echinochloa colonum	thorn vegetable;echinochloa colonum
thorn vegetableechinochloa colonum	thorn vegetableechinochloa colonum
thorn vegetables;abutilon fibre ;xanthium sibiricum	thorn vegetables;abutilon fibre ;xanthium sibiricum
thrips	thrips
tortrix	tortrix
tortrix; small brown planthopper; leafhoppers	tortrix; small brown planthopper; leafhoppers
tortrix?laodelphax striatellus?leafhopper	tortrix?laodelphax striatellus?leafhopper
tryporyza incertulas;cnaphalocrocis medinalis	tryporyza incertulas;cnaphalocrocis medinalis
tryporyza incertulas;cnaphalocrocis medinalis ; plant hopper	tryporyza incertulas;cnaphalocrocis medinalis ; plant hopper
velvetleaf	velvetleaf
water barnyard grass;amaranthus retroflexus	water barnyard grass;amaranthus retroflexus
water barnyard grass;amaranthus;green bristlegrass	water barnyard grass;amaranthus;green bristlegrass
water barnyard grass;amaranthus;xanthium	water barnyard grass;amaranthus;xanthium
water barnyard grass;chenopodiaceae;amaranthus	water barnyard grass;chenopodiaceae;amaranthus
water barnyard grass;chenopodiaceae;amaranthus retroflexus	water barnyard grass;chenopodiaceae;amaranthus retroflexus
water barnyard grass;chenopodiaceae;nightshade;acalypha australis	water barnyard grass;chenopodiaceae;nightshade;acalypha australis
water barnyard grass;chenopodium album	water barnyard grass;chenopodium album
water barnyard grass;chenopodium album;abutilon	water barnyard grass;chenopodium album;abutilon
water barnyard grass;chenopodium album;abutilon;amaranthus	water barnyard grass;chenopodium album;abutilon;amaranthus
water barnyard grass;chenopodium album;amaranthus retroflexus	water barnyard grass;chenopodium album;amaranthus retroflexus
water barnyard grass;chenopodium album;chrysanthemum coronarium;amaranthus	water barnyard grass;chenopodium album;chrysanthemum coronarium;amaranthus
water barnyard grass;green bristlegrass	water barnyard grass;green bristlegrass

water barnyard grass;green bristlegrass;chenopodium album	water barnyard grass;green bristlegrass;chenopodium album
water barnyard grass;vitex;xanthium;chenopodium album	water barnyard grass;vitex;xanthium;chenopodium album
water barnyard grass;xanthium;chenopodium album	water barnyard grass;xanthium;chenopodium album
weed	weed
weed;	weed;
weed;barnyard grass;amaranthus tricolor;chenopodium album	weed;barnyard grass;amaranthus tricolor;chenopodium album
weed;pest	weed;pest
weeding	weeding
weeds	weeds
weeds ;evasive grass	weeds ;evasive grass
weeds ;worms	weeds ;worms
weeds broad-leaf weeds	weeds broad-leaf weeds
weeds worms	weeds worms
weeds;disease	weeds;disease
weeds;echinocloa colonum	weeds;echinocloa colonum
white branches amaranth;chenopodium album	white branches amaranth;chenopodium album
white rot	white rot
whitefly	whitefly
whitefly;ant	whitefly;ant
whitefly?borer	whitefly?borer
wild millet;eleusine indica	wild millet;eleusine indica
worms	worms
worms;green insects	worms;green insects
wormsweeds	wormsweeds
xanthium	xanthium
xanthium sibiricum ;abutilon fibre	xanthium sibiricum ;abutilon fibre
xanthium sibiricum ;bittern	xanthium sibiricum ;bittern
xanthium sibiricum ;grass tiller	xanthium sibiricum ;grass tiller
xanthium sibiricum ;millet food;	xanthium sibiricum ;millet food;
xanthium sibiricum ;pigweed	xanthium sibiricum ;pigweed
xanthium sibiricum ;pigweed;thorn vegetables	xanthium sibiricum ;pigweed;thorn vegetables
xanthium sibiricum ;thorn vegetables;millet food	xanthium sibiricum ;thorn vegetables;millet food
xanthium sibiricum;edible amaranth	xanthium sibiricum;edible amaranth
xanthium;abutilon	xanthium;abutilon
xanthium;barnyard grass;brassica juncea	xanthium;barnyard grass;brassica juncea
xanthium;chenopodiaceae	xanthium;chenopodiaceae
xanthium;chenopodiaceae;amaranthus retroflexus	xanthium;chenopodiaceae;amaranthus retroflexus
xanthium;chenopodium album	xanthium;chenopodium album

xanthium;chenopodium album;barnyard grass	xanthium;chenopodium album;barnyard grass
xanthium;crab grass	xanthium;crab grass
xanthium;green bristlegrass	xanthium;green bristlegrass
xanthium;pigweed	xanthium;pigweed
xanthium;water barnyard grass	xanthium;water barnyard grass
yaxian	yaxian
yellow rice borer rice stem borer rice planthopper rice leaf roller	yellow rice borer rice stem borer rice planthopper rice leaf roller
yumihe mythimna separata	yumihe mythimna separata
☐☐;eleusine indica;convexutricle sedge herb	☐☐;eleusine indica;convexutricle sedge herb

## Q241H: Q241 h. Level of pest/ disease/ weed pressure

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
1	Medium pressure
2	Low pressure
3	High pressure

## Q241I: Q241 i. Percentage of the area treated against pests/ diseases/ weeds

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 10 - 100 Format: Numeric

## Q241J: Q241 j. Percentage of crop free of pests/ diseases/ weeds at harvest (in %)

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 100 Format: Numeric

**Q241K: Q241 k. Equipment type ?****Data file:** Crop\_protection**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 6    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Motorized boom sprayer
2	Hand operated sprayers (e.g. knapsack),
3	Airblast sprayer
4	Other
5	Aerial applicator
6	Granular applicator

**Q241N: Q241 n. What is the timing of the treatment - before crop-emergence or after crop-emergence****Data file:** Crop\_protection**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	After crop-emergence (crop already emerged)
2	Before crop-emergence (soil is treated)

**SYNGENTA: CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)****Data file:** Crop\_protection**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

## Questions and instructions

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### CATEGORIES

Value	Category
1	No
2	Yes

**HARVESTYEAR: Year in which the data was collected****Data file: Location****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2014 - 2019 Format: Numeric

**COUNTRY: Country****Data file: Location****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
China	China

**CLUSTERID: Unique identifier per cluster****Data file: Location****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
ChinaMaize1	ChinaMaize1
ChinaMaize1+2	ChinaMaize1+2
ChinaMaize2	ChinaMaize2
ChinaMaize3	ChinaMaize3
ChinaMaize3+4+5	ChinaMaize3+4+5
ChinaMaize4	ChinaMaize4
ChinaMaize5	ChinaMaize5
ChinaMaize6	ChinaMaize6
ChinaMaize6+7	ChinaMaize6+7
ChinaMaize7	ChinaMaize7



ChinaPotato1	ChinaPotato1
ChinaPotato1+2	ChinaPotato1+2
ChinaPotato2	ChinaPotato2
ChinaPotato3	ChinaPotato3
ChinaRice1early	ChinaRice1early
ChinaRice1late	ChinaRice1late
ChinaRice2early	ChinaRice2early
ChinaRice2late	ChinaRice2late
ChinaRice3	ChinaRice3
ChinaRice3+4+5	ChinaRice3+4+5
ChinaRice4	ChinaRice4
ChinaRice5	ChinaRice5

## **GROWERID: Unique identifier per grower**

**Data file: Location**

### **Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 710160 - 729380 Format: Numeric

## **GROWINGAREA: Field code (A or B)**

**Data file: Location**

### **Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### **Questions and instructions**

#### CATEGORIES

Value	Category
A	A
B	B

## **CORNER: Multiple corners of same field can be registered (only from 2018 onwards)**

**Data file: Location**

### **Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
1	1
2	2
3	3
4	4
5	5
One gps location of each farm	One gps location of each farm
One gps location of each growingarea	One gps location of each growingarea

### ■ GPS\_OPTION: gps\_option

Data file: Location

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	interviewer captures at least two points per field
2	interviewer walks around the field
3	Only one reference captured

### ■ GPS\_SHAPE: Description of the field (from 2018 onwards)

Data file: Location

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	Irregular shape
2	Rectangle

3	Square
4	Triangle

## Q22D\_LAT\_DEG: Latitude degrees

**Data file:** Location

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
confidential	confidential

## Q22D\_LAT\_MIN: Latitude minutes

**Data file:** Location

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
confidential	confidential

## Q22D\_LAT\_SEC: Latitude seconds

**Data file:** Location

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
confidential	confidential

**Q22D\_LON\_DEG: Longitude degrees****Data file:** Location**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
confidential	confidential

**Q22D\_LON\_MIN: Longitude minutes****Data file:** Location**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
confidential	confidential

**Q22D\_LON\_SEC: Longitude seconds****Data file:** Location**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 12    Range: -    Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
confidential	confidential

**REMARK\_AREA: Remark from the interviewer (2019 onwards)****Data file: Location****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
no clear field	no clear field
ok	ok
ok, only one corner	ok, only one corner
residential area, no field	residential area, no field
road, no field	road, no field
water (river, pont, lake, ocean, ...), no field	water (river, pont, lake, ocean, ...), no field

**Q151: Q151. Open field or in a greenhouse?****Data file: Location****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Open field

**Q1F: Q1. F. Would it be okay for you for this company to contact you with information on The GGP?****Data file: Location****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
No	No
Yes	Yes

## Q25: Q25. Farm address - postal code

Data file: Location

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
011700	011700
011800	011800
021009	021009
055550	055550
11700	11700
11800	11800
11801	11801
151000	151000
151600	151600
152083	152083
152179	152179
152180	152180
152181	152181
152182	152182
152183	152183
152361	152361
152600	152600
161507	161507
162100	162100
162122	162122
162650	162650
162656	162656
212300	212300
213300	213300

213311	213311
213314	213314
213342	213342
213363	213363
213364	213364
220235	220235
225000	225000
225200	225200
225235	225235
225239	225239
225615	225615
225824	225824
230000	230000
230231	230231
239231	239231
239231??	239231??
239233	239233
256208	256208
256209	256209
410000	410000
4100000	4100000
4101181	4101181
410600	410600
41418	41418
414400	414400
414418	414418
526000	526000
526531	526531
55550	55550
626531	626531
730011	730011
743011	743011

## ADMIN\_LEVEL\_1: administrative area 1

Data file: Location

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
Anhui Sheng	Anhui Sheng
Gansu Sheng	Gansu Sheng
Guangdong Province	Guangdong Province
Guangdong Sheng	Guangdong Sheng
Hainan Sheng	Hainan Sheng
Hebei Sheng	Hebei Sheng
Heilongjiang	Heilongjiang
Heilongjiang Sheng	Heilongjiang Sheng
Henan Sheng	Henan Sheng
Hubei Sheng	Hubei Sheng
Hunan	Hunan
Hunan Sheng	Hunan Sheng
Inner Mongolia	Inner Mongolia
Jiangsu Sheng	Jiangsu Sheng
Jiangxi Sheng	Jiangxi Sheng
Liaoning Sheng	Liaoning Sheng
Neimenggu Zizhiqu	Neimenggu Zizhiqu
Qinghai Sheng	Qinghai Sheng
Shandong Sheng	Shandong Sheng
Shanxi Sheng	Shanxi Sheng
Yunnan Sheng	Yunnan Sheng



**HARVESTYEAR: Year in which the data was collected****Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2014 - 2019 Format: Numeric

**COUNTRY: Country****Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
China	China

**CROP: Crop****Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category
Corn	Corn
Potato	Potato
Rice	Rice

**CLUSTERID: Unique identifier per cluster****Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

## Questions and instructions

### CATEGORIES

Value	Category
ChinaMaize1	ChinaMaize1
ChinaMaize1+2	ChinaMaize1+2
ChinaMaize2	ChinaMaize2
ChinaMaize3	ChinaMaize3
ChinaMaize3+4+5	ChinaMaize3+4+5
ChinaMaize4	ChinaMaize4
ChinaMaize5	ChinaMaize5
ChinaMaize6	ChinaMaize6
ChinaMaize6+7	ChinaMaize6+7
ChinaMaize7	ChinaMaize7
ChinaPotato1	ChinaPotato1
ChinaPotato1+2	ChinaPotato1+2
ChinaPotato2	ChinaPotato2
ChinaPotato3	ChinaPotato3
ChinaRice1early	ChinaRice1early
ChinaRice1late	ChinaRice1late
ChinaRice2early	ChinaRice2early
ChinaRice2late	ChinaRice2late
ChinaRice3	ChinaRice3
ChinaRice3+4+5	ChinaRice3+4+5
ChinaRice4	ChinaRice4
ChinaRice5	ChinaRice5

### FARMTYPE: Reference farms versus Benchmark farms

Data file: Activities and Machinery (Q382)

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	Reference farm

2	Benchmark farm
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## GROWERID: Unique identifier per grower

Data file: Activities and Machinery (Q382)

### Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

### Questions and instructions

#### CATEGORIES

Value	Category
710160	710160
710170	710170
710180	710180
710190	710190
710200	710200
710210	710210
710230	710230
710370	710370
710400	710400
710410	710410
710420	710420
710430	710430
710440	710440
710450	710450
710850	710850
710870	710870
710880	710880
710890	710890
710900	710900
710910	710910
710920	710920
710930	710930
710940	710940
710950	710950
710960	710960
710970	710970

710980	710980
710990	710990
711000	711000
711010	711010
711020	711020
711030	711030
711070	711070
711180	711180
711190	711190
711200	711200
711220	711220
711230	711230
711240	711240
711320	711320
711330	711330
711340	711340
711350	711350
711360	711360
711370	711370
711380	711380
711390	711390
711400	711400
711410	711410
711420	711420
711430	711430
711440	711440
711450	711450
711530	711530
711540	711540
711550	711550
711560	711560
711570	711570
711580	711580
711590	711590
711600	711600
711610	711610
711620	711620
711630	711630
711640	711640

712052	712052
712072	712072
712092	712092
712112	712112
712122	712122
712232	712232
713252	713252
713262	713262
713512	713512
713732	713732
713742	713742
713752	713752
713762	713762
713772	713772
713782	713782
713783	713783
713784	713784
714011	714011
714012	714012
714021	714021
714022	714022
714031	714031
714032	714032
714041	714041
714042	714042
714051	714051
714052	714052
714061	714061
714062	714062
714071	714071
714072	714072
714081	714081
714082	714082
714091	714091
714092	714092
714101	714101
714102	714102
714502	714502
715191	715191

715192	715192
715261	715261
715262	715262
715281	715281
715282	715282
715291	715291
715292	715292
715301	715301
715302	715302
715311	715311
715312	715312
715321	715321
715322	715322
715331	715331
715332	715332
715341	715341
715342	715342
715352	715352
715362	715362
715392	715392
715402	715402
716110	716110
716120	716120
716130	716130
716140	716140
716150	716150
716160	716160
716170	716170
716180	716180
716190	716190
716200	716200
716210	716210
716220	716220
716230	716230
717010	717010
717030	717030
717050	717050
717070	717070
717090	717090

717110	717110
717120	717120
717130	717130
717150	717150
717170	717170
717190	717190
717210	717210
718010	718010
718020	718020
718030	718030
718040	718040
718050	718050
718060	718060
718070	718070
718080	718080
718090	718090
718100	718100
718110	718110
718120	718120
718130	718130
718140	718140
718150	718150
718160	718160
718170	718170
718180	718180
718190	718190
718200	718200
719100	719100
719110	719110
719120	719120
719130	719130
719140	719140
719150	719150
719160	719160
719170	719170
719180	719180
719190	719190
719200	719200
719210	719210

720010	720010
720020	720020
720030	720030
720040	720040
720050	720050
720060	720060
720070	720070
720080	720080
720090	720090
720100	720100
720110	720110
720120	720120
720130	720130
720140	720140
720150	720150
720240	720240
720250	720250
720260	720260
720270	720270
720280	720280
720290	720290
720300	720300
720310	720310
720320	720320
720330	720330
720340	720340
720350	720350
720360	720360
720380	720380
720390	720390
720460	720460
720470	720470
720480	720480
720490	720490
720500	720500
720510	720510
720520	720520
720530	720530
720540	720540



720550	720550
720560	720560
720570	720570
720580	720580
720590	720590
720600	720600
720610	720610
720700	720700
720710	720710
720720	720720
720730	720730
720740	720740
720750	720750
720760	720760
720770	720770
720780	720780
720790	720790
720800	720800
720810	720810
720820	720820
720830	720830
720840	720840
720910	720910
720920	720920
720940	720940
720950	720950
720960	720960
720970	720970
720980	720980
720990	720990
721000	721000
721010	721010
721020	721020
721030	721030
721040	721040
721050	721050
721070	721070
721080	721080
721090	721090

721100	721100
721110	721110
721120	721120
721130	721130
721140	721140
721150	721150
721160	721160
721170	721170
721200	721200
721210	721210
721220	721220
721230	721230
721240	721240
721250	721250
721260	721260
721270	721270
721280	721280
721290	721290
721300	721300
721310	721310
721320	721320
721330	721330
721340	721340
721350	721350
721360	721360
721370	721370
721380	721380
721390	721390
721400	721400
721410	721410
721420	721420
721430	721430
721440	721440
721450	721450
721460	721460
721470	721470
721520	721520
721650	721650
721660	721660

721670	721670
721680	721680
721690	721690
721700	721700
721710	721710
721720	721720
721730	721730
721740	721740
721750	721750
721760	721760
721960	721960
721970	721970
721980	721980
721990	721990
722012	722012
722022	722022
722032	722032
722042	722042
722052	722052
722062	722062
722072	722072
722082	722082
722092	722092
722102	722102
722132	722132
722142	722142
722152	722152
722162	722162
722172	722172
722182	722182
722192	722192
722202	722202
722212	722212
722222	722222
723052	723052
723062	723062
723072	723072
723082	723082
723092	723092

723102	723102
723112	723112
723122	723122
723132	723132
723142	723142
723152	723152
723162	723162
723172	723172
723182	723182
723192	723192
723202	723202
723212	723212
723222	723222
723232	723232
723242	723242
723252	723252
723262	723262
723272	723272
723522	723522
723542	723542
723552	723552
723562	723562
723572	723572
723582	723582
723592	723592
723602	723602
723612	723612
723622	723622
723632	723632
723642	723642
723652	723652
723662	723662
723672	723672
723682	723682
723692	723692
723702	723702
723712	723712
723722	723722
723732	723732

723742	723742
723752	723752
723762	723762
723772	723772
723782	723782
723792	723792
723802	723802
723812	723812
723822	723822
723832	723832
723842	723842
723852	723852
723862	723862
723872	723872
723882	723882
723892	723892
723902	723902
723912	723912
724051	724051
724052	724052
724061	724061
724062	724062
724071	724071
724072	724072
724081	724081
724082	724082
724091	724091
724092	724092
724101	724101
724102	724102
724111	724111
724112	724112
724121	724121
724122	724122
724131	724131
724132	724132
724141	724141
724142	724142
724151	724151

724152	724152
724161	724161
724162	724162
724171	724171
724172	724172
724181	724181
724182	724182
724191	724191
724192	724192
724201	724201
724202	724202
724211	724211
724212	724212
724221	724221
724222	724222
724231	724231
724232	724232
724241	724241
724242	724242
724251	724251
724252	724252
724261	724261
724262	724262
724271	724271
724272	724272
724281	724281
724282	724282
724291	724291
724292	724292
724502	724502
724512	724512
724522	724522
724532	724532
724542	724542
724552	724552
724562	724562
724572	724572
724582	724582
724592	724592

724602	724602
724612	724612
725021	725021
725022	725022
725061	725061
725062	725062
725071	725071
725072	725072
725081	725081
725082	725082
725091	725091
725092	725092
725101	725101
725102	725102
725111	725111
725112	725112
725121	725121
725122	725122
725131	725131
725132	725132
725141	725141
725142	725142
725151	725151
725152	725152
725161	725161
725162	725162
725171	725171
725172	725172
725181	725181
725182	725182
725201	725201
725202	725202
725211	725211
725212	725212
725231	725231
725232	725232
725241	725241
725242	725242
725251	725251

725252	725252
725271	725271
725272	725272
725282	725282
725292	725292
725302	725302
725312	725312
725322	725322
725332	725332
725342	725342
725352	725352
725362	725362
725372	725372
725382	725382
725412	725412
726010	726010
726020	726020
726030	726030
726040	726040
726050	726050
726060	726060
726070	726070
726080	726080
726090	726090
726100	726100
726110	726110
726120	726120
726130	726130
726140	726140
726150	726150
726160	726160
726170	726170
726180	726180
726190	726190
727020	727020
727040	727040
727060	727060
727080	727080
727100	727100



727110	727110
727140	727140
727160	727160
727180	727180
727200	727200
727210	727210
727240	727240
727260	727260
727270	727270
727280	727280
727290	727290
728010	728010
728020	728020
728030	728030
728040	728040
728050	728050
728060	728060
728090	728090
728100	728100
728110	728110
728120	728120
728140	728140
728150	728150
728160	728160
728170	728170
728180	728180
728190	728190
728200	728200
728210	728210
728220	728220
728230	728230
729010	729010
729020	729020
729030	729030
729060	729060
729070	729070
729080	729080
729100	729100
729130	729130

729140	729140
729150	729150
729160	729160
729170	729170
729180	729180
729190	729190
729200	729200
729210	729210
729220	729220
729230	729230
729240	729240
729250	729250
729260	729260
729270	729270
729280	729280
729290	729290
729300	729300
729310	729310
729320	729320
729330	729330
729340	729340
729350	729350
729360	729360
729370	729370
729380	729380

## **GROWINGAREA: Field code (A or B)**

**Data file: Activities and Machinery (Q382)**

### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

### **Questions and instructions**

#### CATEGORIES

Value	Category
1	A
2	B

**ACTIVITY: Which activities did the grower do on his field?****Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 19 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Clearing
2	Ploughing
3	Digging
4	Ridging
5	Ripping
6	Land levelling
7	Applying fertilizers
8	Mulching
9	Sowing or planting
10	Scouting for pests and diseases
11	Applying pesticides
12	Irrigating
13	Weeding
14	Harvesting
15	Post handling
16	Processing
17	Transport
18	Seed Treatment
19	Top/side grafting

**MACHINERY: Did he use power driven equipment to complete this activity?****Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

## Questions and instructions

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### CATEGORIES

Value	Category
1	Yes
2	No

# study\_resources

## questionnaires

### 2014 GGP Questionnaire Master

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title 2014 GGP Questionnaire Master  
 language English  
 filename 2014 GGP Questionnaire Master.pdf

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### 2015 GGP Questionnaire Master

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title 2015 GGP Questionnaire Master  
 language English  
 filename 2015 GGP Questionnaire Master.pdf

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### 2016 GGP Questionnaire Master

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title 2016 GGP Questionnaire Master  
 language English  
 filename 2016 GGP Questionnaire Master.pdf

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### 2017 GGP Questionnaire Master

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title 2017 GGP Questionnaire Master  
 language English  
 filename 2017 GGP Questionnaire Master.pdf

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### 2018 GGP Questionnaire Master

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title 2018 GGP Questionnaire Master  
 language English  
 filename 2018 GGP Questionnaire Master.pdf

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### 2019 GGP Questionnaire Master

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title 2019 GGP Questionnaire Master  
 language English  
 filename 2019 GGP Questionnaire Master.pdf

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## reports

### Enabling a set change in farm efficiency (productivity brochure)

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title Enabling a set change in farm efficiency (productivity brochure)  
 language English  
 filename SYT-GGP-c1productivity-brochure.pdf

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## The Good Growth Plan Progress Data - Productivity 2019

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title The Good Growth Plan Progress Data - Productivity 2019  
language English  
filename SYT-GGP-c1productivity-description-2019\_0.pdf

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