

# Good Growth Plan 2014-2019

**Syngenta**

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## Identification

### SURVEY ID NUMBER

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

### TITLE

Good Growth Plan 2014-2019

### COUNTRY/ECONOMY

Name	Country code
Hungary	HUN

### 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.

BF Screened from Hungary were selected based on the following criterion:

- At least three of the four target crops should be cultivated in rotation on the same field.
- Counties: Fejér, Somogy, Tolna, Komárom (+ added county in 2014: Bács)
- Reference farms profile:
  - > Current practice: Predominantly conventional tillage
  - > Machinery: most have a quite complete machinery set-up including chisels
- Benchmark farms profile:
  - > cannot be Contivo growers
  - > pure ploughing equipment. (don't need to use chisels)
  - > benchmark growers that are already using a substantial amount of conservation tillage were not selected

## data\_collection

### DATES OF DATA COLLECTION

Start	End
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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## CITATION REQUIREMENTS

The Good Growth Plan Progress Data - Productivity 2019

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## DISCLAIMER

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\_HUN\_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 (HUN\_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	28
<b>Farm_level_data</b>	0	32
<b>Global_farm_data</b>	0	216
<b>Crop_protection</b>	0	34
<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: 28

**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	c233ca4	CODED VARIABLE - active ingredient4	
V40	c233cp4	CODED VARIABLE - amount of ai4	
V41	q233c_d	Q233C. d. PRODUCT 1: Dosage	
V42	q233c_e	Q233C. e. PRODUCT 1: Unit of quantity	
V43	q233c_f	Q233C. f. PRODUCT 1: Amount of H2O solved in LITERS per <HECT>	
V44	q233c_g	Q233C. g. PRODUCT 1: Pest/disease/ weed targeted	
V45	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 28

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

Cases: 0

variables: 32

**variables**

ID	Name	Label	Question
V46	HarvestYear	Data collection wave	
V47	Region	Syngenta's definition of Region	
V48	Territory	Syngenta's definition of Territory	
V49	GrowingArea	To which field/plot does the information relate to?	
V50	ClusterID	Unique cluster ID	
V51	country	Country	
V52	Farmtype	Farm type	
V53	GrowerID	Unique respondent ID	
V54	Crop	The crop of focus	
V55	AreaSize	Q57. Size of growing area A for <TARG1> in <HECT>	
V56	CropSize	Q5.Total cultivated area of <TARG1> in this season in <HECT>	
V57	FarmSize	Q6. Total size of your farm/cultivated area for all crops in <HECT>	
V58	Landproductivity	Land efficiency in ton/ha	
V59	PesticideApplicationEfficiency	Number of field applications used per ton produced	
V60	NutrientEfficiency	Kgs of nitrogen used per ton produced	
V61	PhosphorusEfficiency	Kgs of phosphorus used per ton produced	
V62	PotassiumEfficiency	Kgs of potassium used per ton produced	
V63	SeedEfficiency	Kgs of seeds used per ton produced	
V64	PesticideEfficiency	Kgs of active ingredients from pesticides used in kilogram per ton produced	
V65	HerbicideEfficiency	Kgs of active ingredients from herbicides used per ton produced	
V66	FungicideEfficiency	Kgs of active ingredients from fungicides used per ton produced	
V67	InsecticideEfficiency	Kgs of active ingredients from insecticides used per ton produced	
V68	IrrigationWaterEfficiency	Litres of irrigation water used per ton produced	
V69	LaborEfficiency	Amount of labor hours per unit of crop output produced	
V70	MachineryEfficiency	Amount of machinery used in hours per unit of crop output produced	
V71	SyngentaShare	Percentage of syngenta products used compared to total number of products used	
V72	User_vs_non_user	Does the grower use Syngenta products?	
V73	protocol	have received a crop program and/or any recommendations this season?	
V74	field_preparation	Date of first field preparation	
V75	planting_date	Date of sowing or planting	
V76	harvest_begin	Date when harvest started	
V77	harvest_end	Date when harvest ended	

total: 32

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

Cases:	0
variables:	216

**variables**

ID	Name	Label	Question
V78	Territory	Syngenta definition of territory (sub-region)	
V79	country	Country	
V80	ClusterID	Unique cluster ID	
V81	GrowerID	Unique respondent ID	
V82	GrowingArea	To which field/plot does the information relate to?	
V83	Farmtype	Farmtype	
V84	q1c3	Q1.C3. Since you have participated before, we'd like to share with you your individual performance report	
V85	q1f	Q1. F. Would it be okay for you for Syngenta to contact you with follow-up information on The Good Growth Plan?	
V86	crop	Crop of focus	
V87	q56A2_1	Q56A2. Growing area changed from previous year- did not plant this area due to crop rotation	
V88	q56A2_2	Q56A2. Growing area changed from previous year- I hired another area	
V89	q56A2_6	Q56A2. Growing area changed from previous year- Do not cultivate Crop on that area anymore	
V90	q56A2_96	Q56A2. Growing area changed from previous year- Other specify 1	
V91	q56A2_99	Q56A2. Growing area changed from previous year? Don't know / no answer	
V92	q57a	Q57A. How certain you are of the size indication for growing area A?	
V93	q4055	Q4055. TON/HEC Yield objective for area A for <CROP> at beginning of this season?	
V94	q19	Q19. Surname	
V95	q20	Q20. First name	
V96	q21	Q21. Phone number	
V97	q22	Q22. E-mail address	
V98	q27	Q27. Year of birth	
V99	q28	Q28. Gender	
V100	q31	Q31. Until what age did you go to school?	
V101	q30	Q30. Are you a full-time or part-time farmer?	
V102	q30b	Q30. B. How long have you been engaged in farming activities?	
V103	q33	Q33. Did you receive an agronomical/agricultural education?	
V104	q34	Q34. Are you a member of a producer group, association or cooperative for <CROP>?	
V105	q35c	Q35. C. Overall, how satisfied would you say you are with your life these days?	
V106	q37a	Q37.A. Do you have signs of soil erosion by water on	
V107	q37b	Q37.B. Do you have signs of soil erosion by wind on your farm?	
V108	q7001	Q7001. Have you changed your tillage practices for <TARGET CROP> in the past 20 years?	
V109	q7002	Q7002. How did you change your tillage practices for <TARGET CROP>?	
V110	q7003	Q7003. How many years ago did you change your tillage practices for <TARGET CROP>?	
V111	q7004	Q7004. Have you grown cover crop to manage soil health in the past 20 years for <CROP>?	
V112	q7005	Q7005. How many years ago did you start growing a cover crop for <TARGET CROP> ?	

ID	Name	Label	Question
V113	q7006	Q7006 Have you stopped growing a cover crop in the past 20 years for <TARGET CROP>?	
V114	q7007	Q7007. How many years ago did you stop growing a cover crop for <TARGET CROP>?	
V115	q7008	Q7008. For <Crop> was any land converted from arable land/grassland/forest in the past 20 years?	
V116	q7009	Q7009. How did the use of your land change for <TARGET CROP>?	
V117	q7010	Q7010. How many years ago did the function of your land change for <TARGET CROP>?	
V118	q65	Q65. Do you practice intercropping for <TARGET CROP> ?	
V119	q66_10	Q66. Which crops do you intercrop? Oilseed rape	
V120	q66_21	Q66. Which crops do you intercrop? Wheat	
V121	q60	Q60. Do you rotate crops on growing area A for <TARGET CROP>?	
V122	q61_1	Q61. What crops are you cultivating in rotation? Apples	
V123	q61_2	Q61. What crops are you cultivating in rotation? Banana	
V124	q61_3	Q61. What crops are you cultivating in rotation? Barley	
V125	q61_4	Q61. What crops are you cultivating in rotation? Cauliflower	
V126	q61_7	Q61. What crops are you cultivating in rotation? Corn	
V127	q61_8	Q61. What crops are you cultivating in rotation? Cotton	
V128	q61_10	Q61. What crops are you cultivating in rotation? Oilseed rape	
V129	q61_13	Q61. What crops are you cultivating in rotation? Potato	
V130	q61_15	Q61. What crops are you cultivating in rotation? Soybean	
V131	q61_17	Q61. What crops are you cultivating in rotation? Sugarcane	
V132	q61_18	Q61. What crops are you cultivating in rotation? Sunflower	
V133	q61_20	Q61. What crops are you cultivating in rotation? Watermelon	
V134	q61_21	Q61. What crops are you cultivating in rotation? Wheat	
V135	q61_22	Q61. What crops are you cultivating in rotation? Alfalfa/lucerna	
V136	q61_65	Q61. What crops are you cultivating in rotation? Oats	
V137	q61_80	Q61. What crops are you cultivating in rotation? Pulses (lentils, beans, peas)	
V138	q61_83	Q61. What crops are you cultivating in rotation? Radish	
V139	q61_89	Q61. What crops are you cultivating in rotation? Sugar beet	
V140	q61_91	Q61. What crops are you cultivating in rotation? Sorghum	
V141	q61_96	Q61. What crops are you cultivating in rotation? Other. Specify 1	
V142	q61_97	Q61. What crops are you cultivating in rotation? Other. Specify 2	
V143	q61_98	Q61. What crops are you cultivating in rotation? Other. Specify 3	
V144	q67	Q67. What is the soil type of growing area A for <TARGET CROP>?	
V145	q67b	Q67B. Texture is your soil on growing area A for <TARGET CROP> this season?	
V146	q7011	Q7011. How moist would rate your soil on growing area A for <TARGET CROP> this season?	
V147	q7012	Q7012 Rate the drainage of water through the soil on area A for <TARGET CROP> this season?	
V148	q55e1	Q55E1.Partook in training/meeting on crop/agricultural practices in the past 2 years?	
V149	q54_1	Q54. Where do you deposit the rest water after spraying? Citerne (phytobac, heliose, sentinel, biofilter)	
V150	q54_2	Q54. Where do you deposit the rest water after spraying? In fields	
V151	q54_96	Q54. Where do you deposit the rest water after spraying? Other specify 1:	
V152	q54_oth1	Q54. Other 1:: Q54. Where do you deposit the rest water after spraying?	
V153	q55a_1	Q55a. Where do you clean your sprain equipment? On farm	
V154	q55b_1	Q55b. Where do you dispose the water used for cleaning you equipment? On field	
V155	q55b_2	Q55b. Where do you dispose the water used for cleaning you equipment? Citerne	

ID	Name	Label	Question
V156	q55b_4	Q55b. Where do you dispose the water used for cleaning you equipment? On a paved surface (drain / dike)	
V157	q55b_96	Q55b. Where do you dispose the water used for cleaning you equipment? Other specify 1:	
V158	q55c	Q55. C. Do you store the sprayer protected from rain?	
V159	q55d	Q55. D. Do you use drift-reducing nozzles on your sprayer?	
V160	q72	Q72. When did the first field preparation start for growing area A for <TARGET CROP> ?	
V161	q73	Q73. KGs/HECT of seeds sown for growing area A for <TARGET CROP>	
V162	q73a1	Q73A1. What is the amount of seeds that has been sown for growing area A?	
V163	q73a1unit	Q73A1.UNIT Please indicate the measurement unit used?	
V164	q74	Q74. When was the crop sown / planted for growing area A for <TARGET CROP>?	
V165	q231b	Q231B. Are your seeds coated with crop protection products?	
V166	q233	Q233. Do you use on-farm or pre-treated seed treatment to treat the seeds for growing area A for <TARGET CROP>?	
V167	q397new	Q397_NEW. If you have received a crop program and/or any recommendations for growing to implement this season.	
V168	q224a	Q224 A. Did you perform a soil test for <TARGET CROP>?	
V169	q224	Q224. Do you apply organic fertilizers for <TARGET CROP>?	
V170	q226	Q226. Do you apply chemical fertilizers for <TARGET CROP>?	
V171	q229b1	Q229B1.Total number of applications you perform with chemical fertilizers on growing area for <TARGET CROP>?	
V172	q229b2	Q229B2.Total number of applications you perform with organic fertilizers on growing area for <TARGET CROP>?	
V173	q240e_1	Q240E. We would like to better understand the pest pressure on the selected growing areas. INSECT PRESSURE	
V174	q240e_2	Q240E. We would like to better understand the pest pressure on the selected growing areas. DISEASE PRESSURE	
V175	q240e_3	Q240E. We would like to better understand the pest pressure on the selected growing areas. WEED PRESSURE	
V176	q240en	Q240.E1. Do you generally use drift-reducing nozzles on your sprayer?	
V177	q240d	Q240D. Note down the total number of treatments you perform with crop protection products	
V178	q75	Q75. What is the final stand i.e. the number of plants - per <SQUARE METER>/<TARGET CROP>?	
V179	q76	Q76. Prior to harvest, indicate the percentage of the plot area that is lodged for <TARGET CROP>?	
V180	q243a	Q243. When was the harvest period for <TARGET CROP>?	
V181	q243b	Q243. When was the harvest period for <TARGET CROP>?	
V182	q244	Q244. Marketable yield that has been achieved for growing area A for <TARGET CROP> in <TON> per <HECTARES>?	
V183	q274a	Q274. Yield that has been achieved for growing area A for corn in <TON> per <HECTARES>? Grain yield	
V184	q274b	Q274. Yield that has been achieved for growing area A for corn in <TON> per <HECTARES>? Silage yield	
V185	q274c	Q274. Yield that has been achieved for growing area A for corn in <TON> per <HECTARES>? Cobs yield	
V186	q314	Q314. What is the seed yield (marketable yield) that has been achieved for <TARGET CROP> in <TON> per <HECTARES>?	
V187	q4094_1	Q4094. Who measured the yield on each of the growing areas? Myself	
V188	q4094_2	Q4094. Who measured the yield on each of the growing areas? Dealer/store	
V189	q4094_3	Q4094. Who measured the yield on each of the growing areas? Manufacturer/representative	

ID	Name	Label	Question
V190	q4094_5	Q4094. Who measured the yield on each of the growing areas? Cooperative	
V191	q4094_96	Q4094. Who measured the yield on each of the growing areas? Other specify1	
V192	q4095a	Q4095. A. Compared to previous year, would you say your yield has ...?	
V193	q4096a	Q4096. A. How satisfied are you with your yield this season?	
V194	q4097a	Q4097. A. How satisfied are you with the price you received on the market?	
V195	q251	Q251. % of crop damaged at the time of harvest (total lost - not marketable) for <TARGET CROP>?	
V196	q266b	Q266 B. Please indicate the protein content level of your yield for <TARGET CROP>.	
V197	q360a	Q360. When was the harvest period for <TARGET CROP>?	
V198	q360b	Q360. When was the harvest period for <TARGET CROP>?	
V199	q319a	Q319. When was the harvest period for sugarcane?	
V200	q319b	Q319. When was the harvest period for sugarcane?	
V201	q339a	Q339. When was the harvest period for banana?	
V202	q339b	Q339. When was the harvest period for banana?	
V203	q246_1	Q246. % of the harvest of your target crop is used for own consumption	
V204	q246_2	Q246. % of the harvest of your target crop is used for feeding livestock	
V205	q246_3	Q246. % of the harvest of your target crop is used for harvest sold	
V206	q4002	Q4002. Did you take measures to prevent post-harvest loss for <TARGET CROP>?	
V207	q7013	Q7013. How do you deal with crop residue of <TARGET CROP>?	
V208	q377	Q377. What is the estimated revenue in <DOLLAR>/<HECTARES> for growing area A of <TARGET CROP>?	
V209	q378	Q378. Could you please indicate the estimated revenue in general? <DOLLAR>/<HECTARES>.	
V210	q379	Q379.A Can you please explain your answer for <TARGET CROP>?	
V211	q380	Q380. What is your total input cost for <TARGET CROP> from first field preparation until harvest?	
V212	q4111_1	Q4111. Actual costs SEEDS for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V213	q4111_2	Q4111. Actual costs FERTILIZERZ for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V214	q4111_3	Q4111. Actual costs LABOR for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V215	q4111_4	Q4111. Actual costs MACHINERY <TARGET CROP>?<DOLLAR>/<HECTARES>	
V216	q4111_5	Q4111. Actual costs WATER USE for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V217	q4111_6	Q4111. Actual costs FUEL for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V218	q4111_7	Q4111. Actual costs RENT/LOAN for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V219	q4111_8	Q4111. Actual costs FUNGICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V220	q4111_9	Q4111. Actual costs HERBICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V221	q4111_10	Q4111. Actual costs INSECTICIDES <TARGET CROP>?<DOLLAR>/<HECTARES>	
V222	q4111_98	Q4111. Actual costs DRYING for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V223	q381_1	Q381. Percentage of TREES/SEED costs out of the total input cost for <TARGET CROP>?	
V224	q381_2	Q381. Percentage of FERTILIZERS costs out of the total input cost for <TARGET CROP>?	
V225	q381_3	Q381. Percentage of PESTICIDES costs out of the total input cost for <TARGET CROP>?	
V226	q381_4	Q381. Percentage of LABOR costs out of the total input cost for <TARGET CROP>?	
V227	q381_5	Q381. Percentage of MACHINERY costs of the total input cost for <TARGET CROP>?	
V228	q381_6	Q381. Percentage of WATER USE costs out of the total input cost for <TARGET CROP>?	
V229	q381_7	Q381. Percentage of FUEL costs out of the total input cost for <TARGET CROP>?	
V230	q381_8	Q381. Percentage of ELECTRICITY costs out of the total input cost for <TARGET CROP>?	
V231	q381_9	Q381. Percentage of GAS costs out of the total input cost for <TARGET CROP>?	
V232	q381_10	Q381. Percentage of RENT/LOAN costs out of the total input cost for <TARGET CROP>?	

ID	Name	Label	Question
V233	q381_98	Q381. Percentage of OTHER costs out of the total input cost for <TARGET CROP>?	
V234	q4121	Q4121. In general for the whole cultivation period, rate the weather conditions for <TARGET CROP>?	
V235	q387_1	Q387. What was the impact for target crop? Reduced yield	
V236	q387_2	Q387. What was the impact for target crop? Reduced yield quality	
V237	q387_3	Q387. What was the impact for target crop? No impact	
V238	q387_96	Q387. What was the impact for target crop? Other. Specify 1:	
V239	q387_97	Q387. What was the impact for target crop? Other. Specify 2:	
V240	q387_99	Q387. What was the impact for target crop? Don't know / no answer	
V241	q387_oth1	Q387.Other. Impact for growing area A on the <TARGET CROP>?	
V242	q387_oth2	Q387.Other. Impact for growing area A on the <TARGET CROP>?	
V243	q388	Q388. How would you say the level of rainfall was for growing area A	
V244	q388b	Q388. B. You mentioned you had less rainfall this season than usual. Was this problematic?	
V245	q388d	Q388D. You mentioned you had more rainfall this season than usual. Was this problematic?	
V246	q3880	Q3880. How would you say the temperature was during this season ?	
V247	q3880b	Q3880 B. You mentioned you had lower temperatures this season than usual. Was this problematic?	
V248	q3880d	Q3880 D. You mentioned you had higher temperatures this season than usual. Was this problematic?	
V249	q389	Q389. What is the MAIN water source of <TARGET CROP> during this season?	
V250	q399c	Q399.C. How satisfied are you with the crop program and/or recommendations for <TARGET CROP>?	
V251	date1	field preparation	
V252	date2	sowing/planting	
V253	date3a	begin harvest	
V254	date3b	end harvest	
V255	harvestyear	Data collection wave	
V256	q215	Q215. When did the first field preparation start for cauliflower?	
V257	q218	Q218. When have the young plants been planted for cauliflower?	
V258	q4000_1	q4000_1. To whom do you sell your yield - I sell it on the local market	
V259	q4000_2	q4000_2. To whom do you sell your yield - I sell it to a trader	
V260	q4000_3	q4000_3. To whom do you sell your yield - I sell it to a wholesaler	
V261	q4000_4	q4000_4. To whom do you sell your yield - I sell it to a feed processing plant	
V262	q4000_5	q4000_5. To whom do you sell your yield - I sell it to a cooperative I am part of	
V263	q4000_6	q4000_6. To whom do you sell your yield -I sell it under a contract	
V264	q4000_7	q4000_7. To whom do you sell your yield -Government owned rural collection center	
V265	q4000_96	q4000_96. To whom do you sell your yield -Other. Specify 1:	
V266	q4000_98	q4000_98. To whom do you sell your yield -Other. Specify 3:	
V267	q4000_99	q4000_99. To whom do you sell your yield -Don't know / no answer	
V268	q4000_oth1	Q4000b. Can you please tell us what are your main sources for selling the harvest? Other. Specify 1	
V269	q399	Q399. Please explain why you follow or do not follow the crop program and/or recommendations.	
V270	q397	Q397. Received a recommended growing protocol or crop program from an agricultural advisor?	
V271	q397c	Q397C. Did you receive a protocol/crop program from Syngenta?	
V272	q397d_oth	Q397.D. From which manufacturer have you received a protocol/crop program? OTHER	
V273	q35a_1	Q35.A. What group/association/cooperative are a member of? 1ST	



ID	Name	Label	Question
V274	q35a_2	Q35.A. What group/association/cooperative are a member of? 2ND	
V275	q35a_3	Q35.A. What group/association/cooperative are a member of? 3RD	
V276	q58	Q58. In general, what is the topography of your growing area?	
V277	q58oth	Q58. In general, what is the topography of your growing area? OTHER	
V278	q119	Q119. Please indicate the inter-row space that is applied?	
V279	q230_1	Bought seeds	
V280	q230_2	Saved seeds	
V281	q312	Q312. What is the percentage of pod shattering at harvest for oilseed rape?	
V282	q4001	Q4001. % of crop lost in-between harvest and storage or selling <TARG1>?	
V283	q147	Q147. When have the young plants been planted ?	
V284	q247_1a	Q247. BUYER 1 % of yield	
V285	q247_2a	Q247. BUYER 2 % of yield	
V286	q247_3a	Q247. BUYER 3 % of yield	
V287	q247_4a	Q247. BUYER 4 % of yield	
V288	q247_5a	Q247. BUYER 5 % of yield	
V289	q247_1b	Q247. BUYER 1 price per metric ton	
V290	q247_2b	Q247. BUYER 2 price per metric ton	
V291	q247_3b	Q247. BUYER 3 price per metric ton	
V292	q247_4b	Q247. BUYER 4 price per metric ton	
V293	q247_5b	Q247. BUYER 5 price per metric ton	

total: 216

**Data file: Crop\_protection**

Cases: 0

variables: 34

**variables**

ID	Name	Label	Question
V294	harvestyear	Data collection wave	
V295	GrowingArea	To which field/plot does the information relate to?	
V296	ClusterID	Unique cluster ID	
V297	country	Country	
V298	Farmtype	FARMTYPE	
V299	GrowerID	Unique respondent ID	
V300	product	Unique code of a product within application	
V301	crop	The crop of focus	
V302	application	Unique code of an application per field per grower	
V303	q241a	Q241 a. Timing of product application	
V304	q241b	Q241 b.Type of product	
V305	q241c	Q241 c . Brand product name	
V306	q241c1	Q241 c1. Brand product formulation	
V307	c241c	CODED VARIABLE - stringcode	
V308	c241ca1	CODED VARIABLE - active ingredient1	
V309	c241cp1	CODED VARIABLE - amount of ai1	
V310	c241cu1	CODED VARIABLE - unit (% or Gr)	
V311	c241ca2	CODED VARIABLE - active ingredient2	
V312	c241cp2	CODED VARIABLE - amount of ai2	
V313	c241ca3	CODED VARIABLE - active ingredient3	
V314	c241cp3	CODED VARIABLE - amount of ai3	
V315	c241ca4	CODED VARIABLE - active ingredient4	
V316	c241cp4	CODED VARIABLE - amount of ai4	
V317	c241cpt	CODED VARIABLE - total amount of ai	
V318	q241d	CODED VARIABLE Q241 d. Dosage ?	
V319	q241e	CODED VARIABLE Q241 e. Unit of quantity	
V320	q241f	Q241 f. Amount of H2O solved in LITERS per <HECTARE>	
V321	q241g	Q241 g. Pest/disease/ weed targeted ?	
V322	q241h	Q241 h. Level of pest/ disease/ weed pressure	
V323	q241i	Q241 i. Percentage of the area treated against pests/ diseases/ weeds	
V324	q241j	Q241 j. Percentage of crop free of pests/ diseases/ weeds at harvest (in %)	
V325	q241k	Q241 k. Equipment type ?	
V326	q241n	Q241 n. What is the timing of the treatment - before crop-emergence or after crop-emergence	
V327	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 34

**Data file: Location**

Cases:	0
variables:	19

**variables**

ID	Name	Label	Question
V328	harvestyear	Year in which the data was collected	
V329	country	Country	
V330	ClusterID	Unique identifier per cluster	
V331	GrowerID	Unique identifier per grower	
V332	GrowingArea	Field code (A or B)	
V333	CORNER	Multiple corners of same field can be registered (only from 2018 onwards)	
V334	gps_option	gps_option	
V335	gps_shape	Description of the field (from 2018 onwards)	
V336	q22d_lat_deg	Latitude degrees	
V337	q22d_lat_min	Latitude minutes	
V338	q22d_lat_sec	Latitude seconds	
V339	q22d_lon_deg	Longitude degrees	
V340	q22d_lon_min	Longitude minutes	
V341	q22d_lon_sec	Longitude seconds	
V342	remark_area	Remark from the interviewer (2019 onwards)	
V343	q151	Q151. Open field or in a greenhouse?	
V344	q1f	Q1. F. Would it be okay for you for this company to contact you with information on The GGP?	
V345	q25	Q25. Farm address - postal code	
V346	admin_level_1	administrative area 1	

total: 19

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

Cases: 0

variables: 9

**variables**

ID	Name	Label	Question
V347	harvestyear	Year in which the data was collected	
V348	country	Country	
V349	crop	Crop	
V350	ClusterID	Unique identifier per cluster	
V351	farmtype	Reference farms versus Benchmark farms	
V352	GrowerID	Unique identifier per grower	
V353	GrowingArea	Field code (A or B)	
V354	activity	Which activities did the grower do on his field?	
V355	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
HungaryMaize1	HungaryMaize1
HungaryOilseed rape1	HungaryOilseed rape1
HungarySunflowerSeed1	HungarySunflowerSeed1
HungaryWheat1	HungaryWheat1

### COUNTRY: Country

Data file: fertilizers

#### Overview

Valid: 0 Invalid: 0

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

## Questions and instructions

### CATEGORIES

Value	Category
Hungary	Hungary

### FARMTYPE: Farm Type

Data file: fertilizers

#### 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: fertilizers

## Overview

Valid: 0 Invalid: 0

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

## Questions and instructions

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### CATEGORIES

Value	Category
171009071	171009071
171009101	171009101
171009181	171009181
171009211	171009211
171010071	171010071
171010072	171010072
171010101	171010101
171010102	171010102
171010211	171010211
171010212	171010212
171012071	171012071
171012211	171012211
171014071	171014071
171014072	171014072
171014181	171014181
171014211	171014211
171022071	171022071
171022181	171022181
171022182	171022182
171022211	171022211
171023071	171023071
171023101	171023101
171023181	171023181
171023211	171023211
171025071	171025071
171025101	171025101
171025102	171025102
171025181	171025181
171025211	171025211
171025212	171025212
171031071	171031071
171031101	171031101



171031181	171031181
171031211	171031211
171032071	171032071
171032101	171032101
171032181	171032181
171032211	171032211
171053071	171053071
171053101	171053101
171053181	171053181
171053211	171053211
171612071	171612071
171612101	171612101
171612181	171612181
171612211	171612211
171618071	171618071
171618101	171618101
171618181	171618181
171618211	171618211
172011071	172011071
172011072	172011072
172011101	172011101
172011181	172011181
172011182	172011182
172011211	172011211
172026071	172026071
172026072	172026072
172026211	172026211
172026212	172026212
172028071	172028071
172028072	172028072
172028211	172028211
172030071	172030071
172030072	172030072
172030181	172030181
172030211	172030211
172033071	172033071
172033072	172033072
172033101	172033101
172033181	172033181

172033211	172033211
172043071	172043071
172043101	172043101
172043181	172043181
172043211	172043211
172046071	172046071
172046101	172046101
172046102	172046102
172046181	172046181
172046211	172046211
172067071	172067071
172067072	172067072
172067181	172067181
172067182	172067182
172067211	172067211
172087071	172087071
172087101	172087101
172087181	172087181
172087211	172087211
172089071	172089071
172089072	172089072
172089101	172089101
172089102	172089102
172089181	172089181
172089211	172089211
172089212	172089212
172094071	172094071
172094072	172094072
172094101	172094101
172094181	172094181
172094211	172094211
172094212	172094212
172094213	172094213
172095071	172095071
172095072	172095072
172095101	172095101
172095181	172095181
172095211	172095211
172104071	172104071

172104072	172104072
172104101	172104101
172104181	172104181
172104211	172104211
172105071	172105071
172105072	172105072
172105101	172105101
172105211	172105211
172105212	172105212
172105213	172105213
172302071	172302071
172302072	172302072
172302101	172302101
172302181	172302181
172302211	172302211
172501071	172501071
172501072	172501072
172501101	172501101
172501181	172501181
172501211	172501211
172502071	172502071
172502072	172502072
172502101	172502101
172502181	172502181
172502211	172502211
172502212	172502212
172505071	172505071
172505101	172505101
172505102	172505102
172505181	172505181
172505211	172505211
172505212	172505212
172507071	172507071
172507072	172507072
172507101	172507101
172507181	172507181
172507211	172507211
172511071	172511071
172511101	172511101

172511211	172511211
172512071	172512071
172512072	172512072
172512101	172512101
172512181	172512181
172512211	172512211
172514071	172514071
172514101	172514101
172514181	172514181
172514211	172514211
172516071	172516071
172516072	172516072
172516101	172516101
172516211	172516211
172517071	172517071
172517101	172517101
172517181	172517181
172517211	172517211
172518071	172518071
172518101	172518101
172518181	172518181
172518211	172518211
172519071	172519071
172519072	172519072
172519101	172519101
172519211	172519211
172520071	172520071
172520101	172520101
172520102	172520102
172520211	172520211
172520212	172520212
172522071	172522071
172522101	172522101
172522181	172522181
172522211	172522211
172523071	172523071
172523101	172523101
172523181	172523181
172523211	172523211

172601071	172601071
172601101	172601101
172601181	172601181
172601211	172601211
172602071	172602071
172602101	172602101
172602181	172602181
172602211	172602211
172603071	172603071
172603101	172603101
172603181	172603181
172603211	172603211
172604071	172604071
172604072	172604072
172604101	172604101
172604181	172604181
172604211	172604211
172604212	172604212
172605071	172605071
172605072	172605072
172605101	172605101
172605181	172605181
172605211	172605211
172606071	172606071
172606072	172606072
172606181	172606181
172606211	172606211
172607071	172607071
172607101	172607101
172607181	172607181
172607211	172607211
172608071	172608071
172608101	172608101
172608181	172608181
172608211	172608211
172609071	172609071
172609101	172609101
172609181	172609181
172609211	172609211

172610071	172610071
172610101	172610101
172610181	172610181
172610211	172610211
172611071	172611071
172611101	172611101
172611181	172611181
172611211	172611211
172611212	172611212
172613071	172613071
172613072	172613072
172613101	172613101
172613211	172613211
172614071	172614071
172614072	172614072
172614181	172614181
172614211	172614211
172614212	172614212
172615071	172615071
172615181	172615181
172615211	172615211
172616071	172616071
172616181	172616181
172616211	172616211
172617071	172617071
172617101	172617101
172617181	172617181
172617182	172617182
172617211	172617211
172619071	172619071
172619072	172619072
172619101	172619101
172619211	172619211
172619212	172619212
172620071	172620071
172620101	172620101
172620181	172620181
172620211	172620211
172621181	172621181

172621211	172621211
172621212	172621212
172622071	172622071
172622101	172622101
172622211	172622211
172622212	172622212
172623071	172623071
172623101	172623101
172623181	172623181
172623211	172623211
172624071	172624071
172624101	172624101
172624181	172624181
172624211	172624211
172624212	172624212
172624213	172624213
172625071	172625071
172625181	172625181
172625211	172625211
172626071	172626071
172626181	172626181
172626211	172626211
172627071	172627071
172627101	172627101
172627181	172627181
172627211	172627211
172628071	172628071
172628072	172628072
172628181	172628181
172628211	172628211
172629071	172629071
172629101	172629101
172629181	172629181
172629211	172629211
172630071	172630071
172630181	172630181
172630211	172630211

**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
1	1
10	10
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

**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
Oilseed rape	Oilseed rape
Sunflower	Sunflower
Wheat	Wheat

**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

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### CATEGORIES

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

2019-03-23	2019-03-23
2019-03-25	2019-03-25
2019-03-26	2019-03-26
2019-03-27	2019-03-27
2019-03-28	2019-03-28
2019-03-29	2019-03-29
2019-03-30	2019-03-30
2019-04-01	2019-04-01
2019-04-02	2019-04-02
2019-04-03	2019-04-03
2019-04-04	2019-04-04
2019-04-05	2019-04-05
2019-04-06	2019-04-06
2019-04-07	2019-04-07
2019-04-08	2019-04-08
2019-04-09	2019-04-09
2019-04-10	2019-04-10
2019-04-11	2019-04-11
2019-04-12	2019-04-12
2019-04-13	2019-04-13
2019-04-14	2019-04-14
2019-04-15	2019-04-15
2019-04-16	2019-04-16
2019-04-17	2019-04-17
2019-04-18	2019-04-18
2019-04-19	2019-04-19
2019-04-20	2019-04-20
2019-04-23	2019-04-23
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
2019-05-04	2019-05-04

2019-05-07	2019-05-07
2019-05-08	2019-05-08
2019-05-10	2019-05-10
2019-05-13	2019-05-13
2019-05-14	2019-05-14
2019-05-15	2019-05-15
2019-05-16	2019-05-16
2019-05-18	2019-05-18
2019-05-20	2019-05-20
2019-05-21	2019-05-21
2019-05-22	2019-05-22
2019-05-24	2019-05-24
2019-05-25	2019-05-25
2019-05-27	2019-05-27
2019-05-28	2019-05-28
2019-05-30	2019-05-30
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
2019-06-06	2019-06-06
2019-06-08	2019-06-08
2019-06-10	2019-06-10
2019-06-11	2019-06-11
2019-06-12	2019-06-12
2019-06-13	2019-06-13
2019-06-14	2019-06-14
2019-06-18	2019-06-18
2019-06-19	2019-06-19
2019-06-20	2019-06-20
2019-06-21	2019-06-21
2019-07-10	2019-07-10
2019-07-11	2019-07-11
2019-07-15	2019-07-15
2019-07-19	2019-07-19
2019-07-20	2019-07-20

**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: 0.3 - 40000 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 - 350 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 47 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 - 56 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 - 100 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
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
HungaryMaize1	HungaryMaize1
HungaryOilseed rape1	HungaryOilseed rape1
HungarySunflowerSeed1	HungarySunflowerSeed1
HungaryWheat1	HungaryWheat1

**COUNTRY: Country****Data file:** seed\_treatment

## Overview

Valid: 0 Invalid: 0

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

## Questions and instructions

### CATEGORIES

Value	Category
Hungary	Hungary

## 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
171009071	171009071
171009101	171009101
171009181	171009181
171009211	171009211
171010071	171010071
171010101	171010101

171010102	171010102
171010181	171010181
171010211	171010211
171012071	171012071
171012211	171012211
171014071	171014071
171014072	171014072
171014181	171014181
171014211	171014211
171022071	171022071
171022181	171022181
171022182	171022182
171022211	171022211
171023211	171023211
171025071	171025071
171025101	171025101
171025102	171025102
171025181	171025181
171025211	171025211
171025212	171025212
171031071	171031071
171031101	171031101
171031181	171031181
171031211	171031211
171053211	171053211
171612071	171612071
171612101	171612101
171612181	171612181
171612211	171612211
171618071	171618071
171618101	171618101
171618181	171618181
171618211	171618211
172011071	172011071
172011072	172011072
172011101	172011101
172011181	172011181
172011182	172011182
172011211	172011211



172026071	172026071
172026072	172026072
172026181	172026181
172026211	172026211
172026212	172026212
172028071	172028071
172028072	172028072
172028073	172028073
172028211	172028211
172030071	172030071
172030072	172030072
172030181	172030181
172030211	172030211
172033071	172033071
172033072	172033072
172033101	172033101
172033181	172033181
172033211	172033211
172043071	172043071
172043101	172043101
172043181	172043181
172043211	172043211
172046071	172046071
172046101	172046101
172046102	172046102
172046211	172046211
172067071	172067071
172067072	172067072
172067181	172067181
172067211	172067211
172087071	172087071
172087101	172087101
172087211	172087211
172089071	172089071
172089072	172089072
172089101	172089101
172089102	172089102
172089181	172089181
172089211	172089211

172094071	172094071
172094072	172094072
172094101	172094101
172094181	172094181
172094211	172094211
172094212	172094212
172094213	172094213
172095071	172095071
172095072	172095072
172095101	172095101
172095181	172095181
172095211	172095211
172104071	172104071
172104072	172104072
172104181	172104181
172104211	172104211
172104212	172104212
172105071	172105071
172105072	172105072
172105101	172105101
172105211	172105211
172105212	172105212
172105213	172105213
172302071	172302071
172302072	172302072
172302101	172302101
172302211	172302211
172302212	172302212
172501071	172501071
172501072	172501072
172501101	172501101
172501181	172501181
172501211	172501211
172502071	172502071
172502072	172502072
172502101	172502101
172502181	172502181
172502211	172502211
172502212	172502212

172505071	172505071
172505181	172505181
172505211	172505211
172507211	172507211
172512071	172512071
172512072	172512072
172512101	172512101
172512181	172512181
172512211	172512211
172514071	172514071
172514101	172514101
172514181	172514181
172514211	172514211
172516101	172516101
172518071	172518071
172518181	172518181
172519071	172519071
172519101	172519101
172519181	172519181
172519211	172519211
172520071	172520071
172520101	172520101
172520211	172520211
172602071	172602071
172602101	172602101
172602181	172602181
172602211	172602211
172604071	172604071
172604072	172604072
172604101	172604101
172604181	172604181
172604211	172604211
172604212	172604212
172605071	172605071
172605072	172605072
172605101	172605101
172605181	172605181
172605211	172605211
172606071	172606071

172606072	172606072
172606181	172606181
172606211	172606211
172608071	172608071
172608101	172608101
172608181	172608181
172608211	172608211
172609071	172609071
172609101	172609101
172609181	172609181
172609211	172609211
172610071	172610071
172610072	172610072
172610101	172610101
172610181	172610181
172610211	172610211
172611071	172611071
172611181	172611181
172611211	172611211
172611212	172611212
172613071	172613071
172613072	172613072
172613101	172613101
172613211	172613211
172614071	172614071
172614072	172614072
172614181	172614181
172614211	172614211
172614212	172614212
172615071	172615071
172615181	172615181
172615211	172615211
172616071	172616071
172616181	172616181
172616211	172616211
172617071	172617071
172617101	172617101
172617181	172617181
172617182	172617182

172617211	172617211
172619071	172619071
172619072	172619072
172619101	172619101
172619181	172619181
172619211	172619211
172619212	172619212
172620071	172620071
172620101	172620101
172620181	172620181
172620211	172620211
172621071	172621071
172621181	172621181
172621211	172621211
172621212	172621212
172622071	172622071
172622101	172622101
172622181	172622181
172622211	172622211
172622212	172622212
172623071	172623071
172623101	172623101
172623181	172623181
172623211	172623211
172624071	172624071
172624101	172624101
172624181	172624181
172624211	172624211
172624212	172624212
172624213	172624213
172625071	172625071
172625181	172625181
172625211	172625211
172626071	172626071
172626181	172626181
172626211	172626211
172627071	172627071
172627101	172627101
172627181	172627181

172627211	172627211
172628071	172628071
172628072	172628072
172628181	172628181
172628211	172628211
172629071	172629071
172629101	172629101
172629181	172629181
172629211	172629211
172630071	172630071
172630181	172630181
172630211	172630211

## 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

## 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

Oilseed rape	Oilseed rape
Sunflower	Sunflower
Wheat	Wheat

### 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: 0.6 - 300 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
2014-03-10	2014-03-10
2014-08-08	2014-08-08
2014-08-10	2014-08-10
2014-08-19	2014-08-19
2014-08-20	2014-08-20
2014-08-30	2014-08-30
2014-09-01	2014-09-01
2014-09-05	2014-09-05
2014-09-08	2014-09-08
2014-09-12	2014-09-12
2014-09-16	2014-09-16
2014-09-18	2014-09-18
2014-09-20	2014-09-20
2014-09-25	2014-09-25
2014-09-27	2014-09-27
2014-09-28	2014-09-28
2014-09-29	2014-09-29
2014-10-02	2014-10-02

2014-10-05	2014-10-05
2014-11-08	2014-11-08
2015-03-10	2015-03-10
2015-04-02	2015-04-02
2015-04-07	2015-04-07
2015-04-20	2015-04-20
2015-07-05	2015-07-05
2015-07-12	2015-07-12
2015-07-17	2015-07-17
2015-08-10	2015-08-10
2015-08-19	2015-08-19
2015-08-20	2015-08-20
2015-08-21	2015-08-21
2015-08-30	2015-08-30
2015-09-01	2015-09-01
2015-09-02	2015-09-02
2015-09-05	2015-09-05
2015-09-07	2015-09-07
2015-09-10	2015-09-10
2015-09-15	2015-09-15
2015-09-20	2015-09-20
2015-09-22	2015-09-22
2015-09-25	2015-09-25
2015-09-26	2015-09-26
2015-09-29	2015-09-29
2015-09-30	2015-09-30
2015-10-01	2015-10-01
2015-10-02	2015-10-02
2015-10-03	2015-10-03
2015-10-05	2015-10-05
2015-10-07	2015-10-07
2015-10-09	2015-10-09
2015-10-10	2015-10-10
2015-10-16	2015-10-16
2015-10-18	2015-10-18
2015-10-20	2015-10-20
2015-10-27	2015-10-27
2015-11-02	2015-11-02
2015-11-11	2015-11-11



2015-11-15	2015-11-15
2015-12-01	2015-12-01
2015-12-02	2015-12-02
2015-12-10	2015-12-10
2016-01-20	2016-01-20
2016-02-01	2016-02-01
2016-02-10	2016-02-10
2016-02-25	2016-02-25
2016-03-01	2016-03-01
2016-03-05	2016-03-05
2016-03-06	2016-03-06
2016-03-09	2016-03-09
2016-03-10	2016-03-10
2016-03-12	2016-03-12
2016-03-17	2016-03-17
2016-03-19	2016-03-19
2016-03-25	2016-03-25
2016-04-01	2016-04-01
2016-04-02	2016-04-02
2016-04-05	2016-04-05
2016-04-07	2016-04-07
2016-04-10	2016-04-10
2016-04-12	2016-04-12
2016-04-16	2016-04-16
2016-05-02	2016-05-02
2016-07-05	2016-07-05
2016-07-06	2016-07-06
2016-07-08	2016-07-08
2016-07-22	2016-07-22
2016-08-01	2016-08-01
2016-08-03	2016-08-03
2016-08-12	2016-08-12
2016-08-24	2016-08-24
2016-08-25	2016-08-25
2016-09-02	2016-09-02
2016-09-08	2016-09-08
2016-09-15	2016-09-15
2016-09-16	2016-09-16
2016-09-20	2016-09-20

2016-09-21	2016-09-21
2016-09-23	2016-09-23
2016-09-27	2016-09-27
2016-09-28	2016-09-28
2016-09-30	2016-09-30
2016-10-03	2016-10-03
2016-10-15	2016-10-15
2016-10-20	2016-10-20
2016-12-01	2016-12-01
2017-02-10	2017-02-10
2017-03-07	2017-03-07
2017-03-16	2017-03-16
2017-08-10	2017-08-10
2017-08-11	2017-08-11
2017-08-31	2017-08-31
2017-09-04	2017-09-04
2017-09-05	2017-09-05
2017-09-07	2017-09-07
2017-09-15	2017-09-15
2017-09-20	2017-09-20
2017-09-25	2017-09-25
2017-09-28	2017-09-28
2017-10-02	2017-10-02
2017-10-10	2017-10-10
2017-10-13	2017-10-13
2018-01-29	2018-01-29
2018-02-20	2018-02-20
2018-02-21	2018-02-21
2018-03-15	2018-03-15
2018-04-14	2018-04-14
2018-08-15	2018-08-15
2018-08-17	2018-08-17
2018-09-06	2018-09-06
2018-09-10	2018-09-10
2018-09-13	2018-09-13
2018-09-15	2018-09-15
2018-09-20	2018-09-20
2018-09-25	2018-09-25
2018-10-17	2018-10-17

2018-11-01	2018-11-01
2018-11-15	2018-11-15
2019-01-01	2019-01-01

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

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	Fungicide
2	Insecticide

## 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
BETA-CYFLUTHRIN	BETA-CYFLUTHRIN
CARBOXIN	CARBOXIN
CLOTHIANIDINE	CLOTHIANIDINE
CYANTRANILIPROLE	CYANTRANILIPROLE
DIFENOCONAZOLE	DIFENOCONAZOLE
Do not know	Do not know
FLUDIOXONIL	FLUDIOXONIL
IMIDACLOPRID	IMIDACLOPRID
IPCONAZOLE	IPCONAZOLE
METALAXIL	METALAXIL
METALAXIL-M	METALAXIL-M
PROTHIOCONAZOLE?	PROTHIOCONAZOLE
PROTIKONAZOL	PROTIKONAZOL

TEBUCONAZOLE	TEBUCONAZOLE
TEFLUTRIN	TEFLUTRIN
TETRACONAZOLE	TETRACONAZOLE
THIACLOPRID	THIACLOPRID
THIAMETHOXAM	THIAMETHOXAM
THIRAM	THIRAM

## C233CP1: CODED VARIABLE - amount of ai1

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 12 - 625 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
CLOTHIANIDINE	CLOTHIANIDINE
DIFENOCONAZOLE	DIFENOCONAZOLE

FLUDIOXONIL	FLUDIOXONIL
IMIDACLOPRID	IMIDACLOPRID
METALAXIL-M	METALAXIL-M
SEDAXANE	SEDAXANE
TEBUCONAZOLE	TEBUCONAZOLE
THIOPHANATE-METYL	THIOPHANATE-METYL
THIRAM	THIRAM
TIABENDAZOLE	TIABENDAZOLE

## C233CP2: CODED VARIABLE - amount of ai2

Data file: seed\_treatment

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 10 - 400 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
AZOXYSTROBIN	AZOXYSTROBIN
METALAXIL	METALAXIL
METALAXIL-M	METALAXIL-M
PROTHIOCONAZOLE?	PROTHIOCONAZOLE
PROTIKONAZOL	PROTIKONAZOL
TEBUCONAZOLE	TEBUCONAZOLE
THIAMETHOXAM	THIAMETHOXAM

## C233CP3: CODED VARIABLE - amount of ai3

Data file: seed\_treatment

## Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 10 - 262.5 Format: Numeric

### C233CA4: CODED VARIABLE - active ingredient4

Data file: seed\_treatment

## Overview

Valid: 0 Invalid: 0

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

## Questions and instructions

### CATEGORIES

Value	Category
AZOXYSTROBIN	AZOXYSTROBIN
TEBUCONAZOLE	TEBUCONAZOLE

### C233CP4: CODED VARIABLE - amount of ai4

Data file: seed\_treatment

## Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 6.7 - 15 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 - 42 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	1
2	2
3	0.5
4	2.5
5	5

6	1.8
7	50
8	4
9	3
10	1.3
11	170
12	0.2
13	500
14	260
15	700
16	9
17	0.8
18	12.2
19	12.8
20	12.75
21	12.5
22	1.2
23	160
24	525
25	240
26	12
27	0.02
28	1.71
29	216
30	640
31	360
32	2.2000000000000002
33	46
34	41
35	270
36	550
37	625
38	675
39	575
40	650
41	725
42	430



**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: 1 - 250 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
Aphid, cicada	Aphid, cicada
Aphids	Aphids
Aphids And Seed Blight	Aphids And Seed Blight
Aphids And Seed Blight And Peronospora	Aphids And Seed Blight And Peronospora
Aphids, Leaf Weevil	Aphids, Leaf Weevil
Aphids, Seed Blight	Aphids, Seed Blight
Aphids, smut	Aphids, smut

Bugs	Bugs
Cereal insect pests, smut, fusarium	Cereal insect pests, smut, fusarium
Cicada, aphids, fungal diseases	Cicada, aphids, fungal diseases
Corn Smut	Corn Smut
Corn smut	Corn smut
Corn smut, fungal pests	Corn smut, fungal pests
Corn smut, fusarium	Corn smut, fusarium
Corn weevil, diabrotica virgifera	Corn weevil, diabrotica virgifera
DK	DK
Diabrotica, wireworm	Diabrotica, wireworm
Diaporthe	Diaporthe
Diseases In The Germ Growth Stage	Diseases In The Germ Growth Stage
Diseases In The Germ Stage	Diseases In The Germ Stage
Diseases In The Germination Stage	Diseases In The Germination Stage
Don't know	Don't know
Don't know / no answer	Don't know / no answer
Flea beetle, agriotes spp	Flea beetle, agriotes spp
Fungal Diseases	Fungal Diseases
Fungal Diseases In Germ Stage	Fungal Diseases In Germ Stage
Fungal disease, cereal beetle, aphids, other insect pests	Fungal disease, cereal beetle, aphids, other insect pests
Fungal diseases	Fungal diseases
Fungal diseases, corn smut	Fungal diseases, corn smut
Fungal diseases, fusarium	Fungal diseases, fusarium
Fungi	Fungi
Fungus	Fungus
Fungus infecting the germ, fusarium, powdery mildew	Fungus infecting the germ, fusarium, powdery mildew
Fusarium	Fusarium
Fusarium And Wireworms	Fusarium And Wireworms
Fusarium, Gaeumannomyces Graminis	Fusarium, Gaeumannomyces Graminis
Fusarium, Wireworms	Fusarium, Wireworms
Fusarium, phoma	Fusarium, phoma
Fusarium, smut	Fusarium, smut
Gaumannomyces graminis	Gaumannomyces graminis
Germ Stage Diseases	Germ Stage Diseases
Germ diseases	Germ diseases
Germ stage diseases	Germ stage diseases
Germ stage diseases and insect pests	Germ stage diseases and insect pests
Germ stage diseases, fusarium	Germ stage diseases, fusarium
Germ stage diseases, smut	Germ stage diseases, smut

Germ stage fungal diseases	Germ stage fungal diseases
Germ stages diseases, fusarium	Germ stages diseases, fusarium
Germination Diseases	Germination Diseases
Green bugs, aphids	Green bugs, aphids
Insects, Fungal Diseases	Insects, Fungal Diseases
Mildew	Mildew
Mildew, fusarium	Mildew, fusarium
Pathogens	Pathogens
Peronospora	Peronospora
Psylliodes chrysocephala	Psylliodes chrysocephala
Psylliodes chrysocephala, Athalia rosae	Psylliodes chrysocephala, Athalia rosae
Sclerothinia	Sclerothinia
Sclerotinia, stem rot	Sclerotinia, stem rot
Seed Blight	Seed Blight
Seed Blight And Fusarium	Seed Blight And Fusarium
Seed Blight And Other Germination Diseases	Seed Blight And Other Germination Diseases
Seed Blight, Aphids	Seed Blight, Aphids
Seed Blight, Peronospora	Seed Blight, Peronospora
Seed Blights	Seed Blights
Seed Blights And Other Germ Stage Diseases	Seed Blights And Other Germ Stage Diseases
Septoria, fusarium, powdery mildew	Septoria, fusarium, powdery mildew
Smut	Smut
Smut, early fungal diseases	Smut, early fungal diseases
Smut, fusarium	Smut, fusarium
Soil born insect pests and diseases	Soil born insect pests and diseases
Soil borne fungal diseases	Soil borne fungal diseases
Soil borne fungal diseases and insects	Soil borne fungal diseases and insects
Soil borne insect pests, flea beetle	Soil borne insect pests, flea beetle
Soil borne pests, agriotes spp	Soil borne pests, agriotes spp
Soil borne pests, flea beetle	Soil borne pests, flea beetle
Soil borne pests, germ diseases	Soil borne pests, germ diseases
Uncinula necator	Uncinula necator
Wireworms	Wireworms
aphids	aphids
aphids, cicadidae, fusarium, mold	aphids, cicadidae, fusarium, mold
foliar diseases	foliar diseases
fungal disease	fungal disease
fungal diseases	fungal diseases

fungial diseases, Gaeumannomyces graminis var. tritici	fungial diseases, Gaeumannomyces graminis var. tritici
fungial diseases,	fungial diseases,
fungial diseases	fungial diseases
fusarium	fusarium
fusarium and other germ stage diseases	fusarium and other germ stage diseases
fusarium, Ustilaginales	fusarium, Ustilaginales
fusarium, against plant leaning	fusarium, against plant leaning
fusarium, smut	fusarium, smut
germ diseases	germ diseases
germ stage diseases	germ stage diseases
germ stage diseases, Ustilaginales	germ stage diseases, Ustilaginales
germ stage diseases, aphids, smut	germ stage diseases, aphids, smut
germ stage diseases, flea beetle	germ stage diseases, flea beetle
germ stage diseases, fusarium	germ stage diseases, fusarium
germ stage diseases, insect pests	germ stage diseases, insect pests
germ stage diseases, insect pests, wireworm	germ stage diseases, insect pests, wireworm
germ stage diseases, phoma	germ stage diseases, phoma
germ stage diseases, smut	germ stage diseases, smut
germ stage diseases, soil borne fungial diseases	germ stage diseases, soil borne fungial diseases
germ stage diseases, soil borne insect pests	germ stage diseases, soil borne insect pests
germ stage diseases, soilborne fungal diseases	germ stage diseases, soilborne fungal diseases
germ stage diseases, stem flea beetle	germ stage diseases, stem flea beetle
germ stage diseases, wire worm	germ stage diseases, wire worm
germ stage diseases,wireworms, soilborne diseases,	germ stage diseases,wireworms, soilborne diseases,
germ stage fungal diseases	germ stage fungal diseases
germ stage fungial diseases	germ stage fungial diseases
germ stage insect pests	germ stage insect pests
insect pests	insect pests
powdery mildew, rust	powdery mildew, rust
smut	smut
smut and other fungi	smut and other fungi
smut and other pests	smut and other pests
smut, fusarium	smut, fusarium
smut, germ diseases	smut, germ diseases
smut, germ stage diseases	smut, germ stage diseases
smut, other germ stage diseases	smut, other germ stage diseases
smut, pythium	smut, pythium
smut;wheat spike diseases	smut;wheat spike diseases
soiborne diseases	soiborne diseases

soil borne diseases	soil borne diseases
soil borne fungal diseases	soil borne fungal diseases
soil borne fungal diseases, fusarium	soil borne fungal diseases, fusarium
soil borne fungal diseases, germ stage diseases	soil borne fungal diseases, germ stage diseases
soil borne insect pests	soil borne insect pests
soil borne insect pests and diseases	soil borne insect pests and diseases
soil borne insect pests, aphids	soil borne insect pests, aphids
soil borne insect pests, germ stage diseases	soil borne insect pests, germ stage diseases
soil borne insect pests, sclerotinia	soil borne insect pests, sclerotinia
soil borne insect pests, western corn rootworm	soil borne insect pests, western corn rootworm
soil borne insect pests, wireworm	soil borne insect pests, wireworm
soil borne pests	soil borne pests
soil borne pests, weevils	soil borne pests, weevils
soil diseases	soil diseases
soilborne diseases	soilborne diseases
soilborne diseases,	soilborne diseases,
soilborne diseases,, wireworms,smut	soilborne diseases,, wireworms,smut
soilborne fungal diseases, germ stage diseases	soilborne fungal diseases, germ stage diseases
soilborne fungial diseases	soilborne fungial diseases
soilborne fungial diseases, germ stage diseases	soilborne fungial diseases, germ stage diseases
soilborne insects	soilborne insects
soilborne pests	soilborne pests
stem flea beetle	stem flea beetle
stem flea beetle and foma	stem flea beetle and foma
stem flea beetle and other soil born insect pests	stem flea beetle and other soil born insect pests
stem flea beetle, soil borne insect pests	stem flea beetle, soil borne insect pests
weevils	weevils
weevils and other insect pests	weevils and other insect pests
western corn rootworm	western corn rootworm
western corn rootworm, soil borne insect pests	western corn rootworm, soil borne insect pests
western corn rootworm, weevil	western corn rootworm, weevil
western corn rootworm, white mould	western corn rootworm, white mould
wireworm	wireworm
wireworm, Zabrus tenebroides larvae	wireworm, Zabrus tenebroides larvae
wireworm, soil borne insect pests	wireworm, soil borne insect pests

**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

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### 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
eame	eame

**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
europe east	europe east

**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
hungarymaize1	hungarymaize1
hungaryoilseed rape1	hungaryoilseed rape1
hungarysunflowerseed1	hungarysunflowerseed1
hungarywheat1	hungarywheat1

## 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
Hungary	Hungary

## 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
171009071	171009071
171009072	171009072
171009101	171009101
171009181	171009181
171009211	171009211
171010071	171010071
171010072	171010072
171010101	171010101
171010102	171010102
171010181	171010181
171010211	171010211
171010212	171010212
171012071	171012071
171012181	171012181
171012211	171012211
171014071	171014071
171014072	171014072
171014181	171014181

171014211	171014211
171022071	171022071
171022181	171022181
171022182	171022182
171022211	171022211
171023071	171023071
171023101	171023101
171023181	171023181
171023211	171023211
171025071	171025071
171025101	171025101
171025102	171025102
171025181	171025181
171025211	171025211
171025212	171025212
171031071	171031071
171031101	171031101
171031181	171031181
171031211	171031211
171032071	171032071
171032101	171032101
171032181	171032181
171032211	171032211
171052071	171052071
171052101	171052101
171052181	171052181
171052211	171052211
171053071	171053071
171053101	171053101
171053181	171053181
171053211	171053211
171612071	171612071
171612101	171612101
171612181	171612181
171612211	171612211
171618071	171618071
171618101	171618101
171618181	171618181
171618211	171618211

172011071	172011071
172011072	172011072
172011101	172011101
172011181	172011181
172011182	172011182
172011211	172011211
172026071	172026071
172026072	172026072
172026181	172026181
172026211	172026211
172026212	172026212
172028071	172028071
172028072	172028072
172028073	172028073
172028181	172028181
172028211	172028211
172029071	172029071
172029101	172029101
172029181	172029181
172029211	172029211
172030071	172030071
172030072	172030072
172030181	172030181
172030211	172030211
172033071	172033071
172033072	172033072
172033101	172033101
172033181	172033181
172033211	172033211
172043071	172043071
172043101	172043101
172043181	172043181
172043211	172043211
172046071	172046071
172046101	172046101
172046102	172046102
172046181	172046181
172046211	172046211
172067071	172067071

172067072	172067072
172067181	172067181
172067182	172067182
172067211	172067211
172087071	172087071
172087101	172087101
172087181	172087181
172087211	172087211
172089071	172089071
172089072	172089072
172089101	172089101
172089102	172089102
172089181	172089181
172089211	172089211
172089212	172089212
172094071	172094071
172094072	172094072
172094101	172094101
172094181	172094181
172094211	172094211
172094212	172094212
172094213	172094213
172095071	172095071
172095072	172095072
172095101	172095101
172095181	172095181
172095211	172095211
172104071	172104071
172104072	172104072
172104101	172104101
172104181	172104181
172104211	172104211
172104212	172104212
172105071	172105071
172105072	172105072
172105101	172105101
172105211	172105211
172105212	172105212
172105213	172105213

172302071	172302071
172302072	172302072
172302101	172302101
172302181	172302181
172302211	172302211
172302212	172302212
172501071	172501071
172501072	172501072
172501101	172501101
172501181	172501181
172501211	172501211
172502071	172502071
172502072	172502072
172502101	172502101
172502181	172502181
172502211	172502211
172502212	172502212
172503071	172503071
172503101	172503101
172503181	172503181
172503211	172503211
172504071	172504071
172504101	172504101
172504181	172504181
172504211	172504211
172505071	172505071
172505101	172505101
172505102	172505102
172505181	172505181
172505211	172505211
172505212	172505212
172506071	172506071
172506101	172506101
172506181	172506181
172506211	172506211
172507071	172507071
172507072	172507072
172507101	172507101
172507181	172507181

172507211	172507211
172508071	172508071
172508101	172508101
172508181	172508181
172508211	172508211
172509071	172509071
172509101	172509101
172509181	172509181
172509211	172509211
172510071	172510071
172510181	172510181
172510211	172510211
172511071	172511071
172511101	172511101
172511181	172511181
172511211	172511211
172512071	172512071
172512072	172512072
172512101	172512101
172512181	172512181
172512211	172512211
172513071	172513071
172513101	172513101
172513181	172513181
172513211	172513211
172514071	172514071
172514101	172514101
172514181	172514181
172514211	172514211
172515071	172515071
172515101	172515101
172515181	172515181
172515211	172515211
172516071	172516071
172516072	172516072
172516101	172516101
172516181	172516181
172516211	172516211
172517071	172517071

172517101	172517101
172517181	172517181
172517211	172517211
172518071	172518071
172518101	172518101
172518181	172518181
172518211	172518211
172519071	172519071
172519072	172519072
172519101	172519101
172519181	172519181
172519211	172519211
172520071	172520071
172520101	172520101
172520102	172520102
172520181	172520181
172520211	172520211
172520212	172520212
172521071	172521071
172521101	172521101
172521181	172521181
172521211	172521211
172522071	172522071
172522101	172522101
172522181	172522181
172522211	172522211
172523071	172523071
172523101	172523101
172523181	172523181
172523211	172523211
172524071	172524071
172524101	172524101
172524181	172524181
172524211	172524211
172525071	172525071
172525101	172525101
172525181	172525181
172525211	172525211
172601071	172601071

172601101	172601101
172601181	172601181
172601211	172601211
172602071	172602071
172602101	172602101
172602181	172602181
172602211	172602211
172603071	172603071
172603101	172603101
172603181	172603181
172603211	172603211
172604071	172604071
172604072	172604072
172604101	172604101
172604181	172604181
172604211	172604211
172604212	172604212
172605071	172605071
172605072	172605072
172605101	172605101
172605181	172605181
172605211	172605211
172606071	172606071
172606072	172606072
172606181	172606181
172606211	172606211
172607071	172607071
172607101	172607101
172607181	172607181
172607211	172607211
172608071	172608071
172608101	172608101
172608181	172608181
172608211	172608211
172609071	172609071
172609101	172609101
172609181	172609181
172609211	172609211
172610071	172610071



172610072	172610072
172610101	172610101
172610181	172610181
172610211	172610211
172611071	172611071
172611101	172611101
172611181	172611181
172611211	172611211
172611212	172611212
172613071	172613071
172613072	172613072
172613101	172613101
172613211	172613211
172614071	172614071
172614072	172614072
172614181	172614181
172614211	172614211
172614212	172614212
172615071	172615071
172615181	172615181
172615211	172615211
172616071	172616071
172616181	172616181
172616211	172616211
172617071	172617071
172617101	172617101
172617181	172617181
172617182	172617182
172617211	172617211
172619071	172619071
172619072	172619072
172619101	172619101
172619181	172619181
172619211	172619211
172619212	172619212
172620071	172620071
172620101	172620101
172620181	172620181
172620211	172620211

172621071	172621071
172621181	172621181
172621211	172621211
172621212	172621212
172622071	172622071
172622101	172622101
172622181	172622181
172622211	172622211
172622212	172622212
172623071	172623071
172623101	172623101
172623181	172623181
172623211	172623211
172624071	172624071
172624101	172624101
172624181	172624181
172624211	172624211
172624212	172624212
172624213	172624213
172625071	172625071
172625181	172625181
172625211	172625211
172626071	172626071
172626181	172626181
172626211	172626211
172627071	172627071
172627101	172627101
172627181	172627181
172627211	172627211
172628071	172628071
172628072	172628072
172628181	172628181
172628211	172628211
172629071	172629071
172629101	172629101
172629181	172629181
172629211	172629211
172630071	172630071
172630181	172630181

172630211

172630211

**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
oilseed rape	oilseed rape
sunflower	sunflower
wheat	wheat

**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: 1.3 - 700 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: 3 - 1500 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: 156 - 3417 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: 0 - 16 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 - 4.5454545454545454 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 - 1019.80900900901 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 - 173.31 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 - 230.603092783505 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: 0.171428571428571 - 107.692307692308 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: 0.00178571428571429 - 2.83104 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 - 2.63104 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 - 1.19725714285714 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 - 0.49 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 - 0 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: 0.021505376344086 - 18.2417582417582 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: 0.0188172043010753 - 11.8681318681319 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
2014-04-13	2014-04-13
2014-06-27	2014-06-27
2014-06-28	2014-06-28
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-05	2014-07-05
2014-07-09	2014-07-09
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
2014-07-23	2014-07-23
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-28	2014-07-28
2014-07-30	2014-07-30
2014-08-01	2014-08-01
2014-08-02	2014-08-02
2014-08-03	2014-08-03

2014-08-05	2014-08-05
2014-08-07	2014-08-07
2014-08-08	2014-08-08
2014-08-10	2014-08-10
2014-08-12	2014-08-12
2014-08-14	2014-08-14
2014-08-15	2014-08-15
2014-08-17	2014-08-17
2014-08-18	2014-08-18
2014-08-20	2014-08-20
2014-08-22	2014-08-22
2014-08-25	2014-08-25
2014-08-30	2014-08-30
2014-09-01	2014-09-01
2014-09-02	2014-09-02
2014-09-04	2014-09-04
2014-09-05	2014-09-05
2014-09-06	2014-09-06
2014-09-07	2014-09-07
2014-09-08	2014-09-08
2014-09-09	2014-09-09
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2014-09-15	2014-09-15
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2014-09-18	2014-09-18
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2014-09-21	2014-09-21
2014-09-22	2014-09-22
2014-09-23	2014-09-23
2014-09-25	2014-09-25
2014-09-26	2014-09-26
2014-09-27	2014-09-27
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
2014-10-05	2014-10-05
2014-10-06	2014-10-06
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2015-01-23	2015-01-23
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2015-03-04	2015-03-04

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2015-03-06	2015-03-06
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2015-08-17	2015-08-17
2015-08-19	2015-08-19
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2016-03-18	2016-03-18

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2016-03-22	2016-03-22
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2016-07-10	2016-07-10
2016-07-11	2016-07-11
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2016-07-21	2016-07-21
2016-07-22	2016-07-22
2016-07-23	2016-07-23
2016-07-24	2016-07-24
2016-07-25	2016-07-25
2016-07-26	2016-07-26
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2016-08-04	2016-08-04
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2016-08-08	2016-08-08
2016-08-09	2016-08-09
2016-08-10	2016-08-10
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2016-08-19	2016-08-19

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2017-08-05	2017-08-05



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2017-08-16	2017-08-16
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2017-09-22	2017-09-22
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2017-09-24	2017-09-24
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2018-06-21	2018-06-21
2018-06-24	2018-06-24
2018-07-02	2018-07-02
2018-07-03	2018-07-03
2018-07-05	2018-07-05
2018-07-07	2018-07-07
2018-07-09	2018-07-09
2018-07-10	2018-07-10
2018-07-12	2018-07-12
2018-07-15	2018-07-15
2018-07-16	2018-07-16
2018-07-17	2018-07-17
2018-07-20	2018-07-20
2018-07-21	2018-07-21
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2018-07-23	2018-07-23
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2018-08-15	2018-08-15

2018-08-25	2018-08-25
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2018-09-17	2018-09-17
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2018-10-25	2018-10-25
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2019-03-05	2019-03-05
2019-03-10	2019-03-10
2019-03-11	2019-03-11
2019-03-20	2019-03-20
2019-03-22	2019-03-22
2019-03-24	2019-03-24
2019-03-26	2019-03-26
2019-03-27	2019-03-27
2019-03-28	2019-03-28

**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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2014-08-28	2014-08-28
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2014-09-24	2014-09-24
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2014-09-28	2014-09-28
2014-09-29	2014-09-29
2014-09-30	2014-09-30
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2014-10-02	2014-10-02
2014-10-03	2014-10-03

2014-10-04	2014-10-04
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2014-10-06	2014-10-06
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2014-10-08	2014-10-08
2014-10-09	2014-10-09
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2015-10-03	2015-10-03



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2018-10-02	2018-10-02
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2019-04-09	2019-04-09
2019-04-10	2019-04-10
2019-04-11	2019-04-11
2019-04-12	2019-04-12
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2019-04-15	2019-04-15
2019-04-16	2019-04-16
2019-04-17	2019-04-17
2019-04-18	2019-04-18

2019-04-19	2019-04-19
2019-04-20	2019-04-20
2019-04-22	2019-04-22
2019-04-23	2019-04-23
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
2019-05-03	2019-05-03
2019-05-06	2019-05-06
2019-05-07	2019-05-07

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

**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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2015-06-23	2015-06-23
2015-06-25	2015-06-25
2015-06-26	2015-06-26
2015-06-27	2015-06-27
2015-06-28	2015-06-28
2015-06-29	2015-06-29
2015-06-30	2015-06-30
2015-07-01	2015-07-01



2015-07-02	2015-07-02
2015-07-03	2015-07-03
2015-07-04	2015-07-04
2015-07-05	2015-07-05
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2015-07-07	2015-07-07
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2019-11-17	2019-11-17

## **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**

#### CATEGORIES

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2018-07-08	2018-07-08
2018-07-09	2018-07-09
2018-07-10	2018-07-10
2018-07-11	2018-07-11
2018-07-12	2018-07-12
2018-07-13	2018-07-13
2018-07-14	2018-07-14
2018-07-15	2018-07-15
2018-07-16	2018-07-16
2018-07-17	2018-07-17
2018-07-18	2018-07-18
2018-07-20	2018-07-20
2018-07-21	2018-07-21
2018-07-25	2018-07-25
2018-07-28	2018-07-28
2018-07-29	2018-07-29
2018-08-25	2018-08-25
2018-08-26	2018-08-26
2018-08-28	2018-08-28
2018-08-30	2018-08-30
2018-08-31	2018-08-31
2018-09-02	2018-09-02
2018-09-05	2018-09-05
2018-09-06	2018-09-06
2018-09-08	2018-09-08
2018-09-09	2018-09-09
2018-09-10	2018-09-10
2018-09-11	2018-09-11
2018-09-12	2018-09-12
2018-09-14	2018-09-14
2018-09-15	2018-09-15
2018-09-16	2018-09-16

2018-09-17	2018-09-17
2018-09-18	2018-09-18
2018-09-19	2018-09-19
2018-09-20	2018-09-20
2018-09-21	2018-09-21
2018-09-22	2018-09-22
2018-09-23	2018-09-23
2018-09-24	2018-09-24
2018-09-25	2018-09-25
2018-09-26	2018-09-26
2018-09-27	2018-09-27
2018-09-28	2018-09-28
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
2018-10-06	2018-10-06
2018-10-08	2018-10-08
2018-10-09	2018-10-09
2018-10-10	2018-10-10
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
2018-10-17	2018-10-17
2018-10-19	2018-10-19
2018-10-20	2018-10-20
2018-10-22	2018-10-22
2018-10-24	2018-10-24
2018-10-25	2018-10-25
2018-10-26	2018-10-26
2018-10-27	2018-10-27
2018-11-01	2018-11-01
2018-11-02	2018-11-02
2018-11-04	2018-11-04

2018-11-08	2018-11-08
2018-11-09	2018-11-09
2018-11-11	2018-11-11
2018-11-12	2018-11-12
2018-11-17	2018-11-17
2019-06-17	2019-06-17
2019-06-18	2019-06-18
2019-06-21	2019-06-21
2019-06-25	2019-06-25
2019-06-29	2019-06-29
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
2019-07-08	2019-07-08
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
2019-07-17	2019-07-17
2019-07-18	2019-07-18
2019-07-19	2019-07-19
2019-07-20	2019-07-20
2019-07-21	2019-07-21
2019-07-22	2019-07-22
2019-07-23	2019-07-23
2019-07-31	2019-07-31
2019-08-24	2019-08-24
2019-08-26	2019-08-26
2019-08-27	2019-08-27
2019-08-29	2019-08-29
2019-09-02	2019-09-02

2019-09-03	2019-09-03
2019-09-04	2019-09-04
2019-09-05	2019-09-05
2019-09-06	2019-09-06
2019-09-07	2019-09-07
2019-09-08	2019-09-08
2019-09-10	2019-09-10
2019-09-11	2019-09-11
2019-09-12	2019-09-12
2019-09-13	2019-09-13
2019-09-14	2019-09-14
2019-09-15	2019-09-15
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
2019-09-23	2019-09-23
2019-09-24	2019-09-24
2019-09-25	2019-09-25
2019-09-26	2019-09-26
2019-09-28	2019-09-28
2019-09-29	2019-09-29
2019-09-30	2019-09-30
2019-10-01	2019-10-01
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
2019-10-14	2019-10-14
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
2019-10-26	2019-10-26
2019-10-27	2019-10-27
2019-10-28	2019-10-28
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
2019-11-10	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
2019-11-17	2019-11-17
2019-11-19	2019-11-19
2019-11-24	2019-11-24
2019-11-27	2019-11-27
2019-11-29	2019-11-29



**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
europe east	europe east

**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
Hungary	Hungary

**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
hungarymaize1	hungarymaize1
hungaryoilseed rape1	hungaryoilseed rape1
hungarysunflowerseed1	hungarysunflowerseed1
hungarywheat1	hungarywheat1

**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
171009071	171009071
171009072	171009072
171009101	171009101
171009181	171009181
171009211	171009211
171010071	171010071
171010072	171010072
171010101	171010101
171010102	171010102
171010181	171010181
171010211	171010211
171010212	171010212
171012071	171012071
171012181	171012181
171012211	171012211
171014071	171014071
171014072	171014072
171014181	171014181
171014211	171014211
171022071	171022071
171022181	171022181
171022182	171022182
171022211	171022211
171023071	171023071
171023101	171023101
171023181	171023181
171023211	171023211
171025071	171025071

171025101	171025101
171025102	171025102
171025181	171025181
171025211	171025211
171025212	171025212
171031071	171031071
171031101	171031101
171031181	171031181
171031211	171031211
171032071	171032071
171032101	171032101
171032181	171032181
171032211	171032211
171052071	171052071
171052101	171052101
171052181	171052181
171052211	171052211
171053071	171053071
171053101	171053101
171053181	171053181
171053211	171053211
171612071	171612071
171612101	171612101
171612181	171612181
171612211	171612211
171618071	171618071
171618101	171618101
171618181	171618181
171618211	171618211
172011071	172011071
172011072	172011072
172011101	172011101
172011181	172011181
172011182	172011182
172011211	172011211
172026071	172026071
172026072	172026072
172026181	172026181
172026211	172026211

172026212	172026212
172028071	172028071
172028072	172028072
172028073	172028073
172028181	172028181
172028211	172028211
172029071	172029071
172029101	172029101
172029181	172029181
172029211	172029211
172030071	172030071
172030072	172030072
172030181	172030181
172030211	172030211
172033071	172033071
172033072	172033072
172033101	172033101
172033181	172033181
172033211	172033211
172043071	172043071
172043101	172043101
172043181	172043181
172043211	172043211
172046071	172046071
172046101	172046101
172046102	172046102
172046181	172046181
172046211	172046211
172067071	172067071
172067072	172067072
172067181	172067181
172067182	172067182
172067211	172067211
172087071	172087071
172087101	172087101
172087181	172087181
172087211	172087211
172089071	172089071
172089072	172089072

172089101	172089101
172089102	172089102
172089181	172089181
172089211	172089211
172089212	172089212
172094071	172094071
172094072	172094072
172094101	172094101
172094181	172094181
172094211	172094211
172094212	172094212
172094213	172094213
172095071	172095071
172095072	172095072
172095101	172095101
172095181	172095181
172095211	172095211
172104071	172104071
172104072	172104072
172104101	172104101
172104181	172104181
172104211	172104211
172104212	172104212
172105071	172105071
172105072	172105072
172105101	172105101
172105211	172105211
172105212	172105212
172105213	172105213
172302071	172302071
172302072	172302072
172302101	172302101
172302181	172302181
172302211	172302211
172302212	172302212
172501071	172501071
172501072	172501072
172501101	172501101
172501181	172501181

172501211	172501211
172502071	172502071
172502072	172502072
172502101	172502101
172502181	172502181
172502211	172502211
172502212	172502212
172503071	172503071
172503101	172503101
172503181	172503181
172503211	172503211
172504071	172504071
172504101	172504101
172504181	172504181
172504211	172504211
172505071	172505071
172505101	172505101
172505102	172505102
172505181	172505181
172505211	172505211
172505212	172505212
172506071	172506071
172506101	172506101
172506181	172506181
172506211	172506211
172507071	172507071
172507072	172507072
172507101	172507101
172507181	172507181
172507211	172507211
172508071	172508071
172508101	172508101
172508181	172508181
172508211	172508211
172509071	172509071
172509101	172509101
172509181	172509181
172509211	172509211
172510071	172510071

172510181	172510181
172510211	172510211
172511071	172511071
172511101	172511101
172511181	172511181
172511211	172511211
172512071	172512071
172512072	172512072
172512101	172512101
172512181	172512181
172512211	172512211
172513071	172513071
172513101	172513101
172513181	172513181
172513211	172513211
172514071	172514071
172514101	172514101
172514181	172514181
172514211	172514211
172515071	172515071
172515101	172515101
172515181	172515181
172515211	172515211
172516071	172516071
172516072	172516072
172516101	172516101
172516181	172516181
172516211	172516211
172517071	172517071
172517101	172517101
172517181	172517181
172517211	172517211
172518071	172518071
172518101	172518101
172518181	172518181
172518211	172518211
172519071	172519071
172519072	172519072
172519101	172519101

172519181	172519181
172519211	172519211
172520071	172520071
172520101	172520101
172520102	172520102
172520181	172520181
172520211	172520211
172520212	172520212
172521071	172521071
172521101	172521101
172521181	172521181
172521211	172521211
172522071	172522071
172522101	172522101
172522181	172522181
172522211	172522211
172523071	172523071
172523101	172523101
172523181	172523181
172523211	172523211
172524071	172524071
172524101	172524101
172524181	172524181
172524211	172524211
172525071	172525071
172525101	172525101
172525181	172525181
172525211	172525211
172601071	172601071
172601101	172601101
172601181	172601181
172601211	172601211
172602071	172602071
172602101	172602101
172602181	172602181
172602211	172602211
172603071	172603071
172603101	172603101
172603181	172603181



172603211	172603211
172604071	172604071
172604072	172604072
172604101	172604101
172604181	172604181
172604211	172604211
172604212	172604212
172605071	172605071
172605072	172605072
172605101	172605101
172605181	172605181
172605211	172605211
172606071	172606071
172606072	172606072
172606181	172606181
172606211	172606211
172607071	172607071
172607101	172607101
172607181	172607181
172607211	172607211
172608071	172608071
172608101	172608101
172608181	172608181
172608211	172608211
172609071	172609071
172609101	172609101
172609181	172609181
172609211	172609211
172610071	172610071
172610072	172610072
172610101	172610101
172610181	172610181
172610211	172610211
172611071	172611071
172611101	172611101
172611181	172611181
172611211	172611211
172611212	172611212
172613071	172613071

172613072	172613072
172613101	172613101
172613211	172613211
172614071	172614071
172614072	172614072
172614181	172614181
172614211	172614211
172614212	172614212
172615071	172615071
172615181	172615181
172615211	172615211
172616071	172616071
172616181	172616181
172616211	172616211
172617071	172617071
172617101	172617101
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172617211	172617211
172619071	172619071
172619072	172619072
172619101	172619101
172619181	172619181
172619211	172619211
172619212	172619212
172620071	172620071
172620101	172620101
172620181	172620181
172620211	172620211
172621071	172621071
172621181	172621181
172621211	172621211
172621212	172621212
172622071	172622071
172622101	172622101
172622181	172622181
172622211	172622211
172622212	172622212
172623071	172623071

172623101	172623101
172623181	172623181
172623211	172623211
172624071	172624071
172624101	172624101
172624181	172624181
172624211	172624211
172624212	172624212
172624213	172624213
172625071	172625071
172625181	172625181
172625211	172625211
172626071	172626071
172626181	172626181
172626211	172626211
172627071	172627071
172627101	172627101
172627181	172627181
172627211	172627211
172628071	172628071
172628072	172628072
172628181	172628181
172628211	172628211
172629071	172629071
172629101	172629101
172629181	172629181
172629211	172629211
172630071	172630071
172630181	172630181
172630211	172630211

## 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**

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 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	not so useful
2	very useful
3	rather useful

### **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
oilseed rape	oilseed rape
sunflower	sunflower
wheat	wheat

## 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\_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
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: 2 - 30 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

**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

### 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: 14 - 40 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 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	Full-time grower
2	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: 3 - 50 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

**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
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

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1926 - 1993 Format: Numeric

**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

**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 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	don't know/ no answer
2	from conventional tillage to reduced tillage
3	from conventional tillage to no tillage
4	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 - 5 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 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	from grassland to arable land

### 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 - 15 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\_10: Q66. Which crops do you intercrop? 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

### 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

**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 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	yes

**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\_2: Q61. What crops are you cultivating in rotation? Banana****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\_8: Q61. What crops are you cultivating in rotation? Cotton

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\_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\_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\_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
1	not mentioned
2	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\_22: Q61. What crops are you cultivating in rotation? Alfalfa/lucerna****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\_65: Q61. What crops are you cultivating in rotation? Oats****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
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### Q61\_83: Q61. What crops are you cultivating in rotation? Radish

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\_89: Q61. What crops are you cultivating in rotation? Sugar beet

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\_91: Q61. What crops are you cultivating in rotation? Sorghum

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

### Q61\_98: Q61. What crops are you cultivating in rotation? Other. Specify 3

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

**Q54\_1: Q54. Where do you deposit the rest water after spraying? Citerne (phytobac, heliosecc, 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 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	Mentioned
2	Not 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
"Poison" house	"Poison" house
I spray it after dilution so nothing remains	I spray it after dilution so nothing remains
I use all	I use all
Nothing remains	Nothing remains
The manufacturers of materials carry them	The manufacturers of materials carry them
We dilute it (10 times) and give it back to the crop in spots	We dilute it (10 times) and give it back to the crop in spots

## 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\_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

## 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
2013-02-10	2013-02-10
2013-03-12	2013-03-12
2013-07-09	2013-07-09
2013-07-10	2013-07-10
2013-07-15	2013-07-15
2013-07-18	2013-07-18
2013-07-20	2013-07-20
2013-07-21	2013-07-21
2013-07-23	2013-07-23
2013-07-25	2013-07-25
2013-07-28	2013-07-28
2013-07-29	2013-07-29
2013-07-30	2013-07-30
2013-07-31	2013-07-31
2013-08-01	2013-08-01
2013-08-03	2013-08-03
2013-08-05	2013-08-05
2013-08-08	2013-08-08
2013-08-10	2013-08-10
2013-08-13	2013-08-13
2013-08-15	2013-08-15
2013-08-17	2013-08-17
2013-08-19	2013-08-19
2013-08-20	2013-08-20
2013-08-21	2013-08-21

2013-08-22	2013-08-22
2013-08-25	2013-08-25
2013-08-30	2013-08-30
2013-08-31	2013-08-31
2013-09-01	2013-09-01
2013-09-02	2013-09-02
2013-09-03	2013-09-03
2013-09-04	2013-09-04
2013-09-05	2013-09-05
2013-09-06	2013-09-06
2013-09-07	2013-09-07
2013-09-08	2013-09-08
2013-09-10	2013-09-10
2013-09-11	2013-09-11
2013-09-13	2013-09-13
2013-09-15	2013-09-15
2013-09-16	2013-09-16
2013-09-18	2013-09-18
2013-09-19	2013-09-19
2013-09-20	2013-09-20
2013-09-21	2013-09-21
2013-09-22	2013-09-22
2013-09-25	2013-09-25
2013-09-26	2013-09-26
2013-09-27	2013-09-27
2013-09-28	2013-09-28
2013-09-29	2013-09-29
2013-09-30	2013-09-30
2013-10-01	2013-10-01
2013-10-02	2013-10-02
2013-10-03	2013-10-03
2013-10-04	2013-10-04
2013-10-05	2013-10-05
2013-10-06	2013-10-06
2013-10-08	2013-10-08
2013-10-09	2013-10-09
2013-10-10	2013-10-10
2013-10-12	2013-10-12
2013-10-13	2013-10-13

2013-10-14	2013-10-14
2013-10-15	2013-10-15
2013-10-16	2013-10-16
2013-10-17	2013-10-17
2013-10-18	2013-10-18
2013-10-19	2013-10-19
2013-10-20	2013-10-20
2013-10-21	2013-10-21
2013-10-22	2013-10-22
2013-10-24	2013-10-24
2013-10-25	2013-10-25
2013-10-28	2013-10-28
2013-10-29	2013-10-29
2013-10-30	2013-10-30
2013-10-31	2013-10-31
2013-11-01	2013-11-01
2013-11-03	2013-11-03
2013-11-04	2013-11-04
2013-11-05	2013-11-05
2013-11-07	2013-11-07
2013-11-08	2013-11-08
2013-11-09	2013-11-09
2013-11-10	2013-11-10
2013-11-15	2013-11-15
2013-11-17	2013-11-17
2013-11-20	2013-11-20
2013-11-22	2013-11-22
2013-11-28	2013-11-28
2013-12-01	2013-12-01
2013-12-10	2013-12-10
2014-02-12	2014-02-12
2014-02-20	2014-02-20
2014-02-21	2014-02-21
2014-02-23	2014-02-23
2014-02-25	2014-02-25
2014-03-01	2014-03-01
2014-03-02	2014-03-02
2014-03-03	2014-03-03
2014-03-05	2014-03-05



2014-03-06	2014-03-06
2014-03-10	2014-03-10
2014-03-12	2014-03-12
2014-03-14	2014-03-14
2014-03-15	2014-03-15
2014-03-17	2014-03-17
2014-03-18	2014-03-18
2014-03-19	2014-03-19
2014-03-20	2014-03-20
2014-03-21	2014-03-21
2014-03-22	2014-03-22
2014-03-25	2014-03-25
2014-03-27	2014-03-27
2014-03-28	2014-03-28
2014-03-29	2014-03-29
2014-03-30	2014-03-30
2014-04-01	2014-04-01
2014-04-02	2014-04-02
2014-04-03	2014-04-03
2014-04-05	2014-04-05
2014-04-08	2014-04-08
2014-04-10	2014-04-10
2014-04-19	2014-04-19
2015-07-15	2015-07-15
2015-07-20	2015-07-20
2015-07-22	2015-07-22
2015-07-25	2015-07-25
2015-07-27	2015-07-27
2015-07-29	2015-07-29
2015-08-01	2015-08-01
2015-08-02	2015-08-02
2015-08-04	2015-08-04
2015-08-07	2015-08-07
2015-08-08	2015-08-08
2015-08-09	2015-08-09
2015-08-10	2015-08-10
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2015-08-15	2015-08-15
2015-08-17	2015-08-17

2015-08-19	2015-08-19
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2017-09-25	2017-09-25
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2017-09-28	2017-09-28
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2017-10-02	2017-10-02
2017-10-03	2017-10-03



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2017-11-30	2017-11-30
2017-12-02	2017-12-02
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2018-08-15	2018-08-15
2018-08-25	2018-08-25
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2018-08-28	2018-08-28

2018-08-30	2018-08-30
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2018-09-02	2018-09-02
2018-09-03	2018-09-03
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2018-10-16	2018-10-16
2018-10-17	2018-10-17
2018-10-19	2018-10-19
2018-10-20	2018-10-20
2018-10-21	2018-10-21
2018-10-25	2018-10-25
2018-10-28	2018-10-28

2018-10-29	2018-10-29
2018-10-30	2018-10-30
2018-10-31	2018-10-31
2018-11-02	2018-11-02
2018-11-03	2018-11-03
2018-11-04	2018-11-04
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2019-03-04	2019-03-04
2019-03-05	2019-03-05
2019-03-10	2019-03-10
2019-03-11	2019-03-11
2019-03-20	2019-03-20
2019-03-22	2019-03-22
2019-03-24	2019-03-24
2019-03-26	2019-03-26
2019-03-27	2019-03-27
2019-03-28	2019-03-28

**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: 0.6 - 300 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: 480 - 6500000 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
seeds/ha	seeds/ha
seeds/m2	seeds/m2

**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
2013-08-19	2013-08-19
2013-08-27	2013-08-27
2013-08-28	2013-08-28

2013-08-29	2013-08-29
2013-08-30	2013-08-30
2013-09-01	2013-09-01
2013-09-02	2013-09-02
2013-09-03	2013-09-03
2013-09-04	2013-09-04
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2013-09-06	2013-09-06
2013-09-07	2013-09-07
2013-09-08	2013-09-08
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2013-10-23	2013-10-23
2013-10-24	2013-10-24
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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
2014-05-02	2014-05-02
2014-05-07	2014-05-07
2015-08-27	2015-08-27
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2016-09-11	2016-09-11
2016-09-12	2016-09-12
2016-09-13	2016-09-13
2016-09-19	2016-09-19
2016-09-20	2016-09-20
2016-09-26	2016-09-26
2016-09-28	2016-09-28
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2017-04-28	2017-04-28
2017-04-29	2017-04-29
2017-05-04	2017-05-04
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2018-05-09	2018-05-09
2018-05-10	2018-05-10
2018-08-14	2018-08-14
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2018-10-08	2018-10-08
2018-10-09	2018-10-09
2018-10-10	2018-10-10
2018-10-11	2018-10-11
2018-10-12	2018-10-12
2018-10-14	2018-10-14

2018-10-15	2018-10-15
2018-10-17	2018-10-17
2018-10-19	2018-10-19
2018-10-20	2018-10-20
2018-10-25	2018-10-25
2018-10-27	2018-10-27
2018-10-28	2018-10-28
2018-10-29	2018-10-29
2019-03-28	2019-03-28
2019-03-30	2019-03-30
2019-04-02	2019-04-02
2019-04-03	2019-04-03
2019-04-05	2019-04-05
2019-04-06	2019-04-06
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2019-04-16	2019-04-16
2019-04-17	2019-04-17
2019-04-18	2019-04-18
2019-04-19	2019-04-19
2019-04-20	2019-04-20
2019-04-22	2019-04-22
2019-04-23	2019-04-23
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
2019-05-03	2019-05-03
2019-05-06	2019-05-06

2019-05-07

2019-05-07

**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: 1 - 14 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 - 1 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 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	medium
2	no pressure
3	low

4	high
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### 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 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	low
2	no pressure
3	medium
4	high

### 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 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	medium
2	low
3	high
4	no pressure

### 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 - 10 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: 3 - 850 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
2014-06-10	2014-06-10
2014-06-16	2014-06-16
2014-06-17	2014-06-17
2014-06-19	2014-06-19
2014-06-20	2014-06-20
2014-06-22	2014-06-22
2014-06-23	2014-06-23
2014-06-25	2014-06-25
2014-06-27	2014-06-27
2014-06-28	2014-06-28
2014-06-29	2014-06-29
2014-07-01	2014-07-01
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
2014-07-07	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
2014-07-19	2014-07-19
2014-07-20	2014-07-20
2014-07-21	2014-07-21
2014-07-22	2014-07-22
2014-07-24	2014-07-24
2014-07-25	2014-07-25

2014-07-26	2014-07-26
2014-07-28	2014-07-28
2014-07-30	2014-07-30
2014-08-21	2014-08-21
2014-08-29	2014-08-29
2014-09-01	2014-09-01
2014-09-02	2014-09-02
2014-09-06	2014-09-06
2014-09-08	2014-09-08
2014-09-09	2014-09-09
2014-09-10	2014-09-10
2014-09-13	2014-09-13
2014-09-14	2014-09-14
2014-09-15	2014-09-15
2014-09-16	2014-09-16
2014-09-18	2014-09-18
2014-09-19	2014-09-19
2014-09-20	2014-09-20
2014-09-21	2014-09-21
2014-09-22	2014-09-22
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2014-09-25	2014-09-25
2014-09-26	2014-09-26
2014-09-27	2014-09-27
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
2014-10-10	2014-10-10
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
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
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2014-10-27	2014-10-27
2014-10-29	2014-10-29
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2014-11-03	2014-11-03
2014-11-07	2014-11-07
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2016-06-10	2016-06-10
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2016-07-23	2016-07-23

2016-07-24	2016-07-24
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2016-08-27	2016-08-27
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2016-09-07	2016-09-07
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2016-09-10	2016-09-10
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### 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

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2019-11-12	2019-11-12
2019-11-13	2019-11-13
2019-11-14	2019-11-14
2019-11-17	2019-11-17
2019-11-19	2019-11-19
2019-11-24	2019-11-24
2019-11-27	2019-11-27
2019-11-29	2019-11-29

**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: 1.2 - 9 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: 0 - 16 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 - 47 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: 0 - 0 Format: Numeric

**Q314: Q314. What is the seed yield (marketable yield) that has been achieved for in per ?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 5 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\_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

**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 - 30    Format: Numeric



**Q266B: Q266 B. Please indicate the protein content level of your yield 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	high protein content level (above 10%)
2	normal protein content level (about 10%)
3	low protein content level (less than 10%)

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

2014-09-22	2014-09-22
2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-26	2014-09-26
2014-09-27	2014-09-27
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
2014-10-10	2014-10-10
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
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-27	2014-10-27
2014-10-29	2014-10-29
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-07	2014-11-07
2014-11-09	2014-11-09
2014-11-10	2014-11-10

### 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
2014-06-13	2014-06-13
2014-06-15	2014-06-15
2014-06-18	2014-06-18
2014-06-19	2014-06-19
2014-06-21	2014-06-21
2014-06-22	2014-06-22
2014-06-23	2014-06-23
2014-06-25	2014-06-25
2014-06-28	2014-06-28
2014-06-29	2014-06-29
2014-06-30	2014-06-30
2014-07-01	2014-07-01
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
2014-07-07	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
2014-07-19	2014-07-19
2014-07-20	2014-07-20
2014-07-21	2014-07-21

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

### 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
2014-06-10	2014-06-10
2014-06-16	2014-06-16
2014-06-17	2014-06-17
2014-06-19	2014-06-19
2014-06-20	2014-06-20
2014-06-22	2014-06-22
2014-06-23	2014-06-23
2014-06-25	2014-06-25
2014-06-27	2014-06-27
2014-06-28	2014-06-28
2014-06-29	2014-06-29
2014-07-01	2014-07-01
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
2014-07-07	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
2014-07-19	2014-07-19
2014-07-20	2014-07-20
2014-07-21	2014-07-21
2014-07-22	2014-07-22
2014-07-24	2014-07-24
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-28	2014-07-28
2014-07-30	2014-07-30

2014-08-21	2014-08-21
2014-08-29	2014-08-29
2014-09-01	2014-09-01
2014-09-02	2014-09-02
2014-09-06	2014-09-06
2014-09-08	2014-09-08
2014-09-09	2014-09-09
2014-09-10	2014-09-10
2014-09-13	2014-09-13
2014-09-14	2014-09-14
2014-09-15	2014-09-15
2014-09-16	2014-09-16
2014-09-18	2014-09-18
2014-09-19	2014-09-19
2014-09-20	2014-09-20
2014-09-21	2014-09-21
2014-09-22	2014-09-22
2014-09-24	2014-09-24
2014-09-25	2014-09-25
2014-09-26	2014-09-26
2014-09-27	2014-09-27
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
2014-10-10	2014-10-10
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



2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-27	2014-10-27
2014-10-29	2014-10-29
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-07	2014-11-07
2014-11-09	2014-11-09
2014-11-10	2014-11-10

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

2014-09-16	2014-09-16
2014-09-17	2014-09-17
2014-09-18	2014-09-18
2014-09-19	2014-09-19
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
2014-09-26	2014-09-26
2014-09-27	2014-09-27
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
2014-10-21	2014-10-21
2014-10-22	2014-10-22
2014-10-24	2014-10-24
2014-10-25	2014-10-25
2014-10-28	2014-10-28

2014-10-30	2014-10-30
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-11	2014-11-11

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

### 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

Value	Category
2014-06-13	2014-06-13
2014-06-15	2014-06-15
2014-06-18	2014-06-18
2014-06-19	2014-06-19
2014-06-21	2014-06-21
2014-06-22	2014-06-22
2014-06-23	2014-06-23
2014-06-25	2014-06-25
2014-06-28	2014-06-28
2014-06-29	2014-06-29
2014-06-30	2014-06-30
2014-07-01	2014-07-01
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
2014-07-07	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
2014-07-19	2014-07-19
2014-07-20	2014-07-20
2014-07-21	2014-07-21
2014-07-22	2014-07-22
2014-07-23	2014-07-23
2014-07-25	2014-07-25
2014-07-27	2014-07-27
2014-07-28	2014-07-28
2014-07-29	2014-07-29

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

### 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

**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 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	i leave the crop residue on the field
2	i remove the crop residue and use it as compost
3	i remove the crop residue and export it off farm
4	other. specify:

**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: 4000 - 800000 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: 20000 - 621250 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

**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: 15500 - 600000 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: 8000 - 80000 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: 6500 - 140000 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 - 120000 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 - 100000 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 - 143662 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 - 90000 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 - 120000 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 - 50100 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 - 61000 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 - 127174 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 - 110000 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 - 40 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: 0 - 60    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 - 60    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 - 35    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 - 42    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 - 40    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 - 21 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 - 40 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 - 35 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 - 22 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

### 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 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	i had to increase the amount of inputs invested to maintain good yield, but the real problem was the rain
2	mild winter

### 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	i expected better in the crop.

### 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 - 5    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

**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 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

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

**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 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	rather satisfied
2	very satisfied
3	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
2018-06-18	2018-06-18
2018-06-20	2018-06-20
2018-06-21	2018-06-21
2018-06-24	2018-06-24
2018-07-02	2018-07-02
2018-07-03	2018-07-03
2018-07-05	2018-07-05
2018-07-07	2018-07-07
2018-07-09	2018-07-09
2018-07-10	2018-07-10
2018-07-12	2018-07-12
2018-07-15	2018-07-15
2018-07-16	2018-07-16
2018-07-17	2018-07-17
2018-07-20	2018-07-20
2018-07-21	2018-07-21
2018-07-22	2018-07-22
2018-07-23	2018-07-23
2018-07-25	2018-07-25
2018-07-28	2018-07-28
2018-07-29	2018-07-29
2018-07-30	2018-07-30
2018-07-31	2018-07-31
2018-08-03	2018-08-03
2018-08-05	2018-08-05
2018-08-08	2018-08-08
2018-08-10	2018-08-10
2018-08-11	2018-08-11
2018-08-12	2018-08-12
2018-08-14	2018-08-14
2018-08-15	2018-08-15
2018-08-25	2018-08-25
2018-08-27	2018-08-27
2018-08-28	2018-08-28
2018-08-30	2018-08-30

2018-09-01	2018-09-01
2018-09-02	2018-09-02
2018-09-03	2018-09-03
2018-09-05	2018-09-05
2018-09-06	2018-09-06
2018-09-07	2018-09-07
2018-09-08	2018-09-08
2018-09-09	2018-09-09
2018-09-11	2018-09-11
2018-09-16	2018-09-16
2018-09-17	2018-09-17
2018-09-20	2018-09-20
2018-09-23	2018-09-23
2018-09-25	2018-09-25
2018-09-26	2018-09-26
2018-09-27	2018-09-27
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
2018-10-08	2018-10-08
2018-10-09	2018-10-09
2018-10-10	2018-10-10
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
2018-10-19	2018-10-19
2018-10-20	2018-10-20
2018-10-21	2018-10-21
2018-10-25	2018-10-25
2018-10-28	2018-10-28
2018-10-29	2018-10-29

2018-10-30	2018-10-30
2018-10-31	2018-10-31
2018-11-02	2018-11-02
2018-11-03	2018-11-03
2018-11-04	2018-11-04
2018-11-05	2018-11-05
2018-11-06	2018-11-06
2018-11-07	2018-11-07
2018-11-09	2018-11-09
2018-11-10	2018-11-10
2018-11-11	2018-11-11
2018-11-12	2018-11-12
2018-11-13	2018-11-13
2018-11-14	2018-11-14
2018-11-15	2018-11-15
2018-11-16	2018-11-16
2018-11-20	2018-11-20
2018-11-21	2018-11-21
2018-11-23	2018-11-23
2018-11-25	2018-11-25
2018-11-27	2018-11-27
2018-11-28	2018-11-28
2018-11-30	2018-11-30
2018-12-06	2018-12-06
2019-02-15	2019-02-15
2019-03-04	2019-03-04
2019-03-05	2019-03-05
2019-03-10	2019-03-10
2019-03-11	2019-03-11
2019-03-20	2019-03-20
2019-03-22	2019-03-22
2019-03-24	2019-03-24
2019-03-26	2019-03-26
2019-03-27	2019-03-27
2019-03-28	2019-03-28

## DATE2: sowing/planting

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
2018-08-14	2018-08-14
2018-08-23	2018-08-23
2018-08-25	2018-08-25
2018-08-28	2018-08-28
2018-08-29	2018-08-29
2018-08-30	2018-08-30
2018-08-31	2018-08-31
2018-09-01	2018-09-01
2018-09-02	2018-09-02
2018-09-03	2018-09-03
2018-09-04	2018-09-04
2018-09-05	2018-09-05
2018-09-08	2018-09-08
2018-09-09	2018-09-09
2018-09-10	2018-09-10
2018-09-11	2018-09-11
2018-09-12	2018-09-12
2018-09-15	2018-09-15
2018-09-20	2018-09-20
2018-09-26	2018-09-26
2018-09-28	2018-09-28
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
2018-10-06	2018-10-06
2018-10-07	2018-10-07
2018-10-08	2018-10-08
2018-10-09	2018-10-09
2018-10-10	2018-10-10

2018-10-11	2018-10-11
2018-10-12	2018-10-12
2018-10-14	2018-10-14
2018-10-15	2018-10-15
2018-10-17	2018-10-17
2018-10-19	2018-10-19
2018-10-20	2018-10-20
2018-10-25	2018-10-25
2018-10-27	2018-10-27
2018-10-28	2018-10-28
2018-10-29	2018-10-29
2019-03-28	2019-03-28
2019-03-30	2019-03-30
2019-04-02	2019-04-02
2019-04-03	2019-04-03
2019-04-05	2019-04-05
2019-04-06	2019-04-06
2019-04-07	2019-04-07
2019-04-08	2019-04-08
2019-04-09	2019-04-09
2019-04-10	2019-04-10
2019-04-11	2019-04-11
2019-04-12	2019-04-12
2019-04-13	2019-04-13
2019-04-15	2019-04-15
2019-04-16	2019-04-16
2019-04-17	2019-04-17
2019-04-18	2019-04-18
2019-04-19	2019-04-19
2019-04-20	2019-04-20
2019-04-22	2019-04-22
2019-04-23	2019-04-23
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
2019-05-03	2019-05-03
2019-05-06	2019-05-06
2019-05-07	2019-05-07

## 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
2019-06-17	2019-06-17
2019-06-18	2019-06-18
2019-06-20	2019-06-20
2019-06-25	2019-06-25
2019-06-28	2019-06-28
2019-06-29	2019-06-29
2019-06-30	2019-06-30
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
2019-07-08	2019-07-08
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
2019-07-15	2019-07-15
2019-07-17	2019-07-17
2019-07-18	2019-07-18
2019-07-19	2019-07-19

2019-07-20	2019-07-20
2019-07-21	2019-07-21
2019-07-22	2019-07-22
2019-07-25	2019-07-25
2019-08-24	2019-08-24
2019-08-25	2019-08-25
2019-08-26	2019-08-26
2019-08-28	2019-08-28
2019-08-29	2019-08-29
2019-09-02	2019-09-02
2019-09-04	2019-09-04
2019-09-05	2019-09-05
2019-09-06	2019-09-06
2019-09-08	2019-09-08
2019-09-10	2019-09-10
2019-09-12	2019-09-12
2019-09-14	2019-09-14
2019-09-15	2019-09-15
2019-09-16	2019-09-16
2019-09-18	2019-09-18
2019-09-19	2019-09-19
2019-09-20	2019-09-20
2019-09-22	2019-09-22
2019-09-23	2019-09-23
2019-09-25	2019-09-25
2019-09-28	2019-09-28
2019-09-30	2019-09-30
2019-10-01	2019-10-01
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
2019-10-14	2019-10-14
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
2019-10-24	2019-10-24
2019-10-26	2019-10-26
2019-10-27	2019-10-27
2019-10-28	2019-10-28
2019-10-29	2019-10-29
2019-10-30	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
2019-11-10	2019-11-10
2019-11-12	2019-11-12
2019-11-13	2019-11-13
2019-11-14	2019-11-14
2019-11-17	2019-11-17

## 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
2019-06-17	2019-06-17
2019-06-18	2019-06-18
2019-06-21	2019-06-21
2019-06-25	2019-06-25

2019-06-29	2019-06-29
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
2019-07-08	2019-07-08
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
2019-07-17	2019-07-17
2019-07-18	2019-07-18
2019-07-19	2019-07-19
2019-07-20	2019-07-20
2019-07-21	2019-07-21
2019-07-22	2019-07-22
2019-07-23	2019-07-23
2019-07-31	2019-07-31
2019-08-24	2019-08-24
2019-08-26	2019-08-26
2019-08-27	2019-08-27
2019-08-29	2019-08-29
2019-09-02	2019-09-02
2019-09-03	2019-09-03
2019-09-04	2019-09-04
2019-09-05	2019-09-05
2019-09-06	2019-09-06
2019-09-07	2019-09-07
2019-09-08	2019-09-08
2019-09-10	2019-09-10
2019-09-11	2019-09-11
2019-09-12	2019-09-12

2019-09-13	2019-09-13
2019-09-14	2019-09-14
2019-09-15	2019-09-15
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
2019-09-23	2019-09-23
2019-09-24	2019-09-24
2019-09-25	2019-09-25
2019-09-26	2019-09-26
2019-09-28	2019-09-28
2019-09-29	2019-09-29
2019-09-30	2019-09-30
2019-10-01	2019-10-01
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
2019-10-14	2019-10-14
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
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2019-10-21	2019-10-21
2019-10-22	2019-10-22
2019-10-23	2019-10-23
2019-10-24	2019-10-24
2019-10-26	2019-10-26
2019-10-27	2019-10-27

2019-10-28	2019-10-28
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
2019-11-10	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
2019-11-17	2019-11-17
2019-11-19	2019-11-19
2019-11-24	2019-11-24
2019-11-27	2019-11-27
2019-11-29	2019-11-29

## 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
2013-02-10	2013-02-10
2013-03-12	2013-03-12
2013-07-09	2013-07-09



2013-07-10	2013-07-10
2013-07-15	2013-07-15
2013-07-18	2013-07-18
2013-07-20	2013-07-20
2013-07-21	2013-07-21
2013-07-23	2013-07-23
2013-07-25	2013-07-25
2013-07-28	2013-07-28
2013-07-29	2013-07-29
2013-07-30	2013-07-30
2013-07-31	2013-07-31
2013-08-01	2013-08-01
2013-08-03	2013-08-03
2013-08-05	2013-08-05
2013-08-08	2013-08-08
2013-08-10	2013-08-10
2013-08-13	2013-08-13
2013-08-15	2013-08-15
2013-08-17	2013-08-17
2013-08-19	2013-08-19
2013-08-20	2013-08-20
2013-08-21	2013-08-21
2013-08-22	2013-08-22
2013-08-25	2013-08-25
2013-08-30	2013-08-30
2013-08-31	2013-08-31
2013-09-01	2013-09-01
2013-09-02	2013-09-02
2013-09-03	2013-09-03
2013-09-04	2013-09-04
2013-09-05	2013-09-05
2013-09-06	2013-09-06
2013-09-07	2013-09-07
2013-09-08	2013-09-08
2013-09-10	2013-09-10
2013-09-11	2013-09-11
2013-09-13	2013-09-13
2013-09-15	2013-09-15
2013-09-16	2013-09-16

2013-09-18	2013-09-18
2013-09-19	2013-09-19
2013-09-20	2013-09-20
2013-09-21	2013-09-21
2013-09-22	2013-09-22
2013-09-25	2013-09-25
2013-09-26	2013-09-26
2013-09-27	2013-09-27
2013-09-28	2013-09-28
2013-09-29	2013-09-29
2013-09-30	2013-09-30
2013-10-01	2013-10-01
2013-10-02	2013-10-02
2013-10-03	2013-10-03
2013-10-04	2013-10-04
2013-10-05	2013-10-05
2013-10-06	2013-10-06
2013-10-08	2013-10-08
2013-10-09	2013-10-09
2013-10-10	2013-10-10
2013-10-12	2013-10-12
2013-10-13	2013-10-13
2013-10-14	2013-10-14
2013-10-15	2013-10-15
2013-10-16	2013-10-16
2013-10-17	2013-10-17
2013-10-18	2013-10-18
2013-10-19	2013-10-19
2013-10-20	2013-10-20
2013-10-21	2013-10-21
2013-10-22	2013-10-22
2013-10-24	2013-10-24
2013-10-25	2013-10-25
2013-10-28	2013-10-28
2013-10-29	2013-10-29
2013-10-30	2013-10-30
2013-10-31	2013-10-31
2013-11-01	2013-11-01
2013-11-03	2013-11-03

2013-11-04	2013-11-04
2013-11-05	2013-11-05
2013-11-07	2013-11-07
2013-11-08	2013-11-08
2013-11-09	2013-11-09
2013-11-10	2013-11-10
2013-11-15	2013-11-15
2013-11-17	2013-11-17
2013-11-20	2013-11-20
2013-11-22	2013-11-22
2013-11-28	2013-11-28
2013-12-01	2013-12-01
2013-12-10	2013-12-10
2014-02-12	2014-02-12
2014-02-20	2014-02-20
2014-02-21	2014-02-21
2014-02-23	2014-02-23
2014-02-25	2014-02-25
2014-03-01	2014-03-01
2014-03-02	2014-03-02
2014-03-03	2014-03-03
2014-03-05	2014-03-05
2014-03-06	2014-03-06
2014-03-10	2014-03-10
2014-03-12	2014-03-12
2014-03-14	2014-03-14
2014-03-15	2014-03-15
2014-03-17	2014-03-17
2014-03-18	2014-03-18
2014-03-19	2014-03-19
2014-03-20	2014-03-20
2014-03-21	2014-03-21
2014-03-22	2014-03-22
2014-03-25	2014-03-25
2014-03-27	2014-03-27
2014-03-28	2014-03-28
2014-03-29	2014-03-29
2014-03-30	2014-03-30
2014-04-01	2014-04-01

2014-04-02	2014-04-02
2014-04-03	2014-04-03
2014-04-05	2014-04-05
2014-04-08	2014-04-08
2014-04-10	2014-04-10
2014-04-19	2014-04-19

## 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
2013-08-19	2013-08-19
2013-08-27	2013-08-27
2013-08-28	2013-08-28
2013-08-29	2013-08-29
2013-08-30	2013-08-30
2013-09-01	2013-09-01
2013-09-02	2013-09-02
2013-09-03	2013-09-03
2013-09-04	2013-09-04
2013-09-05	2013-09-05
2013-09-06	2013-09-06
2013-09-07	2013-09-07
2013-09-08	2013-09-08
2013-09-10	2013-09-10
2013-09-11	2013-09-11
2013-09-12	2013-09-12
2013-09-13	2013-09-13
2013-09-14	2013-09-14
2013-09-15	2013-09-15
2013-09-16	2013-09-16
2013-09-18	2013-09-18

2013-09-19	2013-09-19
2013-09-20	2013-09-20
2013-09-21	2013-09-21
2013-09-22	2013-09-22
2013-09-23	2013-09-23
2013-09-26	2013-09-26
2013-09-28	2013-09-28
2013-09-29	2013-09-29
2013-09-30	2013-09-30
2013-10-01	2013-10-01
2013-10-02	2013-10-02
2013-10-03	2013-10-03
2013-10-04	2013-10-04
2013-10-05	2013-10-05
2013-10-07	2013-10-07
2013-10-08	2013-10-08
2013-10-10	2013-10-10
2013-10-11	2013-10-11
2013-10-12	2013-10-12
2013-10-13	2013-10-13
2013-10-15	2013-10-15
2013-10-16	2013-10-16
2013-10-20	2013-10-20
2013-10-22	2013-10-22
2013-10-23	2013-10-23
2013-10-24	2013-10-24
2013-10-25	2013-10-25
2013-10-28	2013-10-28
2014-03-20	2014-03-20
2014-03-21	2014-03-21
2014-03-22	2014-03-22
2014-03-25	2014-03-25
2014-03-28	2014-03-28
2014-04-01	2014-04-01
2014-04-02	2014-04-02
2014-04-03	2014-04-03
2014-04-04	2014-04-04
2014-04-05	2014-04-05
2014-04-06	2014-04-06

2014-04-07	2014-04-07
2014-04-08	2014-04-08
2014-04-09	2014-04-09
2014-04-10	2014-04-10
2014-04-11	2014-04-11
2014-04-12	2014-04-12
2014-04-13	2014-04-13
2014-04-14	2014-04-14
2014-04-15	2014-04-15
2014-04-16	2014-04-16
2014-04-17	2014-04-17
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
2014-05-02	2014-05-02
2014-05-07	2014-05-07

### 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
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### 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
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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\_98: q4000\_98. To whom do you sell your yield -Other. Specify 3:

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
Bunge company	Bunge company
Food	Food
Food processor	Food processor
Half of the crop is sold, the rest is stored for later harvest	Half of the crop is sold, the rest is stored for later harvest
Hungrana fuel producer	Hungrana fuel producer
I sell it to an industrial corn processor.	I sell it to an industrial corn processor.
I sell it to industrial corn processor.	I sell it to industrial corn processor.
Industrial processing	Industrial processing
Integrator	Integrator
Oil processing company	Oil processing company
Seed processing company	Seed processing company
The crop was sold as bioethanol	The crop was sold as bioethanol
bioetanol plant	bioetanol plant
industrial corn processing	industrial corn processing
mill	mill
own livestock	own livestock
processing plant	processing plant
the crop isn't sold yet	the crop isn't sold yet
to an integrator	to an integrator

### 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
Applied protocol - appropriate agricultural engineering	Applied protocol - appropriate agricultural engineering
As a trial	As a trial
As much professional knowledge as possible. In order to achieve a higher yield.	As much professional knowledge as possible. In order to achieve a higher yield.
Based on the specification of the seed manufacturer (by the contract)	Based on the specification of the seed manufacturer (by the contract)
Because I did not know this variety	Because I did not know this variety
Because I found it appropriate.	Because I found it appropriate.
Because I think it's good professionally.	Because I think it's good professionally.
Because I think it's professional.	Because I think it's professional.
Because I think it's useful	Because I think it's useful
Because I think it's well based	Because I think it's well based
Because I trust in the experience of the producer.	Because I trust in the experience of the producer.
Because I trust in the knowledge and experience of experts	Because I trust in the knowledge and experience of experts
Because I've found it reasonable.	Because I've found it reasonable.
Because it is a well-tried method.	Because it is a well-tried method.
Because it is based on practical knowledge and experience. I have been included in the elaboration.	Because it is based on practical knowledge and experience. I have been included in the elaboration.
Because it was a good idea to highlight the sensitivity of the variety.	Because it was a good idea to highlight the sensitivity of the variety.
Because it's good	Because it's good
Because of good quality.	Because of good quality.
Because of our special circumstances	Because of our special circumstances
Because of the supply of nutrients	Because of the supply of nutrients
Because of useful advices	Because of useful advices
Because there exist active ingredients which are cheaper	Because there exist active ingredients which are cheaper
Better technology, cost effectiveness, more profit.	Better technology, cost effectiveness, more profit.
Certain parts of crop protection technology	Certain parts of crop protection technology
Crop safety.	Crop safety.

DK/NA	DK/NA
Don't know / no answer	Don't know / no answer
Due to the sandy soil I sow a lower number of plant per HA.	Due to the sandy soil I sow a lower number of plant per HA.
Experts are advising. The professional information is needed for production.	Experts are advising. The professional information is needed for production.
Financial responsibility. Technical features.	Financial responsibility. Technical features.
For a good average yield.	For a good average yield.
For a higher yield.	For a higher yield.
For achieving better farming and better yield. Cost effectiveness.	For achieving better farming and better yield. Cost effectiveness.
I accept the experience of the producer.	I accept the experience of the producer.
I adjusted it to the local characteristics	I adjusted it to the local characteristics
I also decide on the basis of my own experience	I also decide on the basis of my own experience
I always adapt the technology to the characteristics of the field	I always adapt the technology to the characteristics of the field
I applied my own technology	I applied my own technology
I bought the recommended seed	I bought the recommended seed
I chose the recommended hybrid	I chose the recommended hybrid
I chose the recommended products	I chose the recommended products
I combined my own experience with the production technology.	I combined my own experience with the production technology.
I consider it but it's never detailed enough	I consider it but it's never detailed enough
I consider the recommendations of the advisor	I consider the recommendations of the advisor
I considered it good	I considered it good
I did not need it.	I did not need it.
I do this way because it was suggested.	I do this way because it was suggested.
I don't really follow it, because I have my own technology.	I don't really follow it, because I have my own technology.
I follow it only partially. The lack of the material resource. Own ideas.	I follow it only partially. The lack of the material resource. Own ideas.
I followed it because I also had modifications in professional counselling since the environmental factors desired it that way	I followed it because I also had modifications in professional counselling since the environmental factors desired it that way
I followed it in the seed selection. I trust the companies experience.	I followed it in the seed selection. I trust the companies experience.
I followed it regarding the circumstances of sowing. I rarely followed it regarding the control of fungi and when improving the ripening. It is attractive in case of well-tried recommendations.	I followed it regarding the circumstances of sowing. I rarely followed it regarding the control of fungi and when improving the ripening. It is attractive in case of well-tried recommendations.
I followed my own experience	I followed my own experience
I followed my own protocol and technology with good success.	I followed my own protocol and technology with good success.
I followed my own protocol based on my previous experiences.	I followed my own protocol based on my previous experiences.
I followed my own protocol because I found this good	I followed my own protocol because I found this good
I followed my own protocol relying on my experience	I followed my own protocol relying on my experience

I followed my own protocol.	I followed my own protocol.
I followed the protocol only partially because I also considered the local characteristics of my lands, the overall state of the crop and the extent of pest infection.	I followed the protocol only partially because I also considered the local characteristics of my lands, the overall state of the crop and the extent of pest infection.
I followed the protocol only partially because I considered the local characteristics of the soil, the condition of the emerged crop, the rate of infection.	I followed the protocol only partially because I considered the local characteristics of the soil, the condition of the emerged crop, the rate of infection.
I followed the protocol only partly because I took into consideration the characteristics of the soil, the condition of the crop and the extent of the infection.	I followed the protocol only partly because I took into consideration the characteristics of the soil, the condition of the crop and the extent of the infection.
I followed it because I trusted in them	I followed it because I trusted in them
I found it appropriate	I found it appropriate
I found it good	I found it good
I found it to be effective and it helped my work.	I found it to be effective and it helped my work.
I found it to be good	I found it to be good
I found it useful	I found it useful
I had no choice but to accept the seed treatment but I followed our own practice in plants/ha.	I had no choice but to accept the seed treatment but I followed our own practice in plants/ha.
I have my own production experience	I have my own production experience
I have the methods that have proven themselves, I know which products are good. High investment doesn't worth on weak soils	I have the methods that have proven themselves, I know which products are good. High investment doesn't worth on weak soils
I have the methods that have proven themselves, I know which products are good. If I followed the protocol off Syngenta or BASF no profit would be left.	I have the methods that have proven themselves, I know which products are good. If I followed the protocol off Syngenta or BASF no profit would be left.
I just partially followed the protocol because I took into account the local features of the soil, the state of the crop and the rate of infection.	I just partially followed the protocol because I took into account the local features of the soil, the state of the crop and the rate of infection.
I listen to the sales reps and sometimes we try new varieties.	I listen to the sales reps and sometimes we try new varieties.
I only followed the protocol partially because I take into consideration the characteristics of the soil, the condition of the crop and the extent of the infection.	I only followed the protocol partially because I take into consideration the characteristics of the soil, the condition of the crop and the extent of the infection.
I preferred my own experience and the one of my colleagues.	I preferred my own experience and the one of my colleagues.
I received good advices	I received good advices
I rely on my own experience.	I rely on my own experience.
I sowed it earlier and it worked	I sowed it earlier and it worked
I tried to achieve better results with the help of the advisor	I tried to achieve better results with the help of the advisor
I tried to follow it and apply it to the local circumstances because these protocols assume an optimal condition which is not everywhere present	I tried to follow it and apply it to the local circumstances because these protocols assume an optimal condition which is not everywhere present
I trust his expertise	I trust his expertise
I trust in its expertise	I trust in its expertise
I trust in the advice of the experts.	I trust in the advice of the experts.
I trust in the advisor	I trust in the advisor
I trust in the expertise of my professional advisor	I trust in the expertise of my professional advisor
I trust in the expertise of the advisor.	I trust in the expertise of the advisor.

I trust in the professional advisor	I trust in the professional advisor
I trust its expertise.	I trust its expertise.
I trusted the expertise	I trusted the expertise
I updated it based on the characteristics of the production year.	I updated it based on the characteristics of the production year.
I used less fertilizer than recommended because of the price of the fertilizer and used my usual number of plants per hectare.	I used less fertilizer than recommended because of the price of the fertilizer and used my usual number of plants per hectare.
I used less fertilizers to become more cost effective	I used less fertilizers to become more cost effective
I used the same number of plants per hectare, nitrogen amount but I used different herbicide because of the weed flora	I used the same number of plants per hectare, nitrogen amount but I used different herbicide because of the weed flora
I was satisfied with the results	I was satisfied with the results
I'm sure experts did this plan, so I follow it.	I'm sure experts did this plan, so I follow it.
I've been applying for several years and it's working.	I've been applying for several years and it's working.
I've found it good based on the previous experience.	I've found it good based on the previous experience.
I've found it useful	I've found it useful
In case of Agrosolution because of the unknown effects.	In case of Agrosolution because of the unknown effects.
In order to achieve a better and higher average yield	In order to achieve a better and higher average yield
In order to achieve a better yield	In order to achieve a better yield
In order to achieve a high oil content	In order to achieve a high oil content
In order to achieve the guaranteed yields	In order to achieve the guaranteed yields
In the first year I grew a hybrid wheat.	In the first year I grew a hybrid wheat.
It fit the technology, good production prices	It fit the technology, good production prices
It fit the technology.	It fit the technology.
It is similar, except for the weed control. I do not use basic chemicals on the sandy soil and because of the incalculable precipitation.	It is similar, except for the weed control. I do not use basic chemicals on the sandy soil and because of the incalculable precipitation.
It is supported from a professional aspect so I agree with the protocol	It is supported from a professional aspect so I agree with the protocol
It promised good profitability.	It promised good profitability.
It seemed a good possibility.	It seemed a good possibility.
It seemed to be a good recommendation	It seemed to be a good recommendation
It seemed to be relevant.	It seemed to be relevant.
It was a forced situation	It was a forced situation
It was a useful guide to the special characteristics of the variety	It was a useful guide to the special characteristics of the variety
It was usefull to prevent disesaes	It was usefull to prevent disesaes
It's a reliable source and the management is satisfied with the results	It's a reliable source and the management is satisfied with the results
It's the result of a joint work, we elaborated it together.	It's the result of a joint work, we elaborated it together.
Moddus (product for stem strengthening) was expensive. Stabilan instead of that.	Moddus (product for stem strengthening) was expensive. Stabilan instead of that.
NA	NA

Nem tudja/ Nincs válasz	Nem tudja/ Nincs válasz
No answer	No answer
No reply	No reply
Participation at demonstrations (variety demonstrations, technologies, new chemicals in trials), visible results	Participation at demonstrations (variety demonstrations, technologies, new chemicals in trials), visible results
The farm has reached the expected yield	The farm has reached the expected yield
The local relations and the weather did not make it possible	The local relations and the weather did not make it possible
The protocol given by the advisor was understandable and could be executed easily	The protocol given by the advisor was understandable and could be executed easily
The recommendation was for the winter season (seeds, weed control), we came up with our own plan for spring	The recommendation was for the winter season (seeds, weed control), we came up with our own plan for spring
The recommendations of seed breeders are important, they try to sell the most expensive seed but this isn't always the best choice in a semi-intensive technology.	The recommendations of seed breeders are important, they try to sell the most expensive seed but this isn't always the best choice in a semi-intensive technology.
The technology is detailed and good, but following the whole protocol is expensive .	The technology is detailed and good, but following the whole protocol is expensive .
The technology was the same with the own protocol	The technology was the same with the own protocol
The weather changed my plan	The weather changed my plan
There were certain products that we chose from the recommendation based on our experience from previous years.	There were certain products that we chose from the recommendation based on our experience from previous years.
There were useful suggestions in the technology offer, that hadn't been familiar for me before, I wanted to try it.	There were useful suggestions in the technology offer, that hadn't been familiar for me before, I wanted to try it.
Trust	Trust
UA. mint A	UA. mint A
Useful information, description of the variety	Useful information, description of the variety
Useful, good experience.	Useful, good experience.
Useful, practice oriented ideas.	Useful, practice oriented ideas.
We could achieve the expected results	We could achieve the expected results
We decided to choose different products	We decided to choose different products
We follow them because of information which are more up-to-date from a professional aspect	We follow them because of information which are more up-to-date from a professional aspect
We get many offers and we select from these offers what is suitable for our fields.	We get many offers and we select from these offers what is suitable for our fields.
We have accepted the hybrid offer and it was an excellent hybrid	We have accepted the hybrid offer and it was an excellent hybrid
We have not yet met such a problem	We have not yet met such a problem
We tried to follow it, because we produce Syngenta variety. Finally we didn't follow because certain elements of the technology were too expensive.	We tried to follow it, because we produce Syngenta variety. Finally we didn't follow because certain elements of the technology were too expensive.
We've followed dosage because it ensures yield safety	We've followed dosage because it ensures yield safety
Weather	Weather
Weather change.	Weather change.
Weather differences	Weather differences
Weather, peak of the work	Weather, peak of the work

acceptable yield	acceptable yield
as a guidance	as a guidance
because I've adapted the advice to the local characteristics	because I've adapted the advice to the local characteristics
because of a secure yield	because of a secure yield
because of successful growing	because of successful growing
because of the better yield	because of the better yield
because of the owner of the seeds recommended it	because of the owner of the seeds recommended it
different variety, weed control	different variety, weed control
fertilization, selection of the variety and crop protection	fertilization, selection of the variety and crop protection
only the OSR hybrid was defined, I saw that hybrid, that's all that happened	only the OSR hybrid was defined, I saw that hybrid, that's all that happened
own experience	own experience
recommended variety, plant density, recommended weed control	recommended variety, plant density, recommended weed control
we followed instructions on the nutrient supply	we followed instructions on the nutrient supply

### 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

### 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
"Fejér-Gabona" Gabonatermelők Szövetkezete (cooperative)	"Fejér-Gabona" Gabonatermelők Szövetkezete (cooperative)
ABA BESZ	ABA BESZ
ABA Mezőgazdasági Beszerző, Értékesítő és Szolgáltató Szövetkezet (cooperative)	ABA Mezőgazdasági Beszerző, Értékesítő és Szolgáltató Szövetkezet (cooperative)
AGRÁRGAZDASÁGI ZRT. (private company limited by shares)	AGRÁRGAZDASÁGI ZRT. (private company limited by shares)
ARANYKASZA Ltd.	ARANYKASZA Ltd.
Aba Besz	Aba Besz
Aranyegyház production cooperative	Aranyegyház production cooperative
Aranykasza Ltd.	Aranykasza Ltd.
Aranykaszat LTD	Aranykaszat LTD
BESZ	BESZ

Bacsi BESZ (Bacsi Purchase and Selling Cooperative)	Bacsi BESZ (Bacsi Purchase and Selling Cooperative)
Bacskai sugarbeet production cooperative	Bacskai sugarbeet production cooperative
Batthyany Cereal Sales Cooperative	Batthyany Cereal Sales Cooperative
Batthyany Gabona Ertekesito Szovetkezet	Batthyany Gabona Ertekesito Szovetkezet
Batthyany Gabona Ertekesito Szovetkezet (Batthyany Cereal Marketing Cooperative)	Batthyany Gabona Ertekesito Szovetkezet (Batthyany Cereal Marketing Cooperative)
Batthyany Gabona Ertekesito Szovetkezet, pozicio: elnok	Batthyany Gabona Ertekesito Szovetkezet, pozicio: elnok
Betaker Agard Szovetkezet (Betaker Agard Cooperative)	Betaker Agard Szovetkezet (Betaker Agard Cooperative)
BÉSZ ( Beszerz?, Értékesít? és Szolgáltató Szövetkezet) (cooperative)	BÉSZ ( Beszerz?, Értékesít? és Szolgáltató Szövetkezet) (cooperative)
Carrot Production Cooperative	Carrot Production Cooperative
Deg es Videke Gabonatermesztok Szovetkezete (Deg Cereal Cooperative)	Deg es Videke Gabonatermesztok Szovetkezete (Deg Cereal Cooperative)
Deg es Videke Mezogazdasagi Szovetkezet	Deg es Videke Mezogazdasagi Szovetkezet
Degi Cereal Farmer Cooperative	Degi Cereal Farmer Cooperative
Degi Gabonatermelok Szovetkezete	Degi Gabonatermelok Szovetkezete
Dunantuli Gabonaszovetkezet (Transdanubian Cereal Cooperative)	Dunantuli Gabonaszovetkezet (Transdanubian Cereal Cooperative)
Family enterprise	Family enterprise
Fejer BESZ	Fejer BESZ
Gabona 27 Ltd	Gabona 27 Ltd
Hid Szovetkezet (Hid Cooperation)	Hid Szovetkezet (Hid Cooperation)
Hid szovetkezet (Hid cooperative)	Hid szovetkezet (Hid cooperative)
KOMÁROMI HÍD Gabonatermel?k Szövetkezete (cooperative)	KOMÁROMI HÍD Gabonatermel?k Szövetkezete (cooperative)
Kapos Kornyei Gabona Szovetkezet ( Cereal Cooperative around Kapos)	Kapos Kornyei Gabona Szovetkezet ( Cereal Cooperative around Kapos)
Kapos Környéki Gabona Kereskedelmi és Szolgáltató Szövetkezet. (cooperative)	Kapos Környéki Gabona Kereskedelmi és Szolgáltató Szövetkezet. (cooperative)
Kaposkornyei Cereal Cooperative	Kaposkornyei Cereal Cooperative
Kaposkornyei Gabonaszovetkezet	Kaposkornyei Gabonaszovetkezet
Kaposvar Oil Production Cooperative	Kaposvar Oil Production Cooperative
Kaposvar Olajos Termelocsoport	Kaposvar Olajos Termelocsoport
Kaposvári Olajos Növények Termékcsoport Kereskedelmi és Szolgáltató Kft. (Ltd)	Kaposvári Olajos Növények Termékcsoport Kereskedelmi és Szolgáltató Kft. (Ltd)
Kisbajomi Erdogazdasagi es Mezogazdasagi Szovetkezet	Kisbajomi Erdogazdasagi es Mezogazdasagi Szovetkezet
Kunsag Pig Breeding Cooperative	Kunsag Pig Breeding Cooperative
Kunsagi Sertestenyesztok Szovetkezete	Kunsagi Sertestenyesztok Szovetkezete
Kunsagi Sertestenyesztok Termeloi Csoport ( Kunsag Pig Breeder's Grower's Association)	Kunsagi Sertestenyesztok Termeloi Csoport ( Kunsag Pig Breeder's Grower's Association)
Kutasi Gazdaszovetkezet (Kutasi Farmer's Cooperative)	Kutasi Gazdaszovetkezet (Kutasi Farmer's Cooperative)
MOSZ	MOSZ
MOSZ (National Association of Agricultural Producers)	MOSZ (National Association of Agricultural Producers)

Magyar Termes TESZ Ltd., Pusztaszabolcsi Olajos Növények Ltd.	Magyar Termes TESZ Ltd., Pusztaszabolcsi Olajos Növények Ltd.
NT	NT
No reply	No reply
Nyugat Zselic 2000 Termelő és Ertekesítő Szövetkezet (Nyugat Zselic 2000 Producing and Marketing Cooperative)	Nyugat Zselic 2000 Termelő és Ertekesítő Szövetkezet (Nyugat Zselic 2000 Producing and Marketing Cooperative)
Nyugat-Zselic 2002 Kereskedelmi, Értékesítő és Szolgáltató Szövetkezet (cooperative)	Nyugat-Zselic 2002 Kereskedelmi, Értékesítő és Szolgáltató Szövetkezet (cooperative)
Pusztaszabolcsi Olajos Növények Ltd.	Pusztaszabolcsi Olajos Növények Ltd.
Regio-Milk Szövetkezet	Regio-Milk Szövetkezet
Repa termelői csoport	Repa termelői csoport
The cooperative of farmers	The cooperative of farmers
Tolna county growers cooperative	Tolna county growers cooperative
Tolna megyei termelők mezőgazdasági szövetsege	Tolna megyei termelők mezőgazdasági szövetsege
Transdanubian Oil Crop Cooperative	Transdanubian Oil Crop Cooperative
aranyegyházi termelői csoport	aranyegyházi termelői csoport

### 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
BACS-KISKUN county chamber of agriculture	BACS-KISKUN county chamber of agriculture
Deldunantuli Olajnövény Szövetkezet	Deldunantuli Olajnövény Szövetkezet
Dunantuli Olajnövény Szövetkezet (Transdanubian Oil Crop Cooperative)	Dunantuli Olajnövény Szövetkezet (Transdanubian Oil Crop Cooperative)
HID Cooperative	HID Cooperative
HID SZÖVETKEZET	HID SZÖVETKEZET
Regiomilk Tejszövetkezet elnöke	Regiomilk Tejszövetkezet elnöke
TSB Cukorrepatermelo Szövetkezet (TSB Sugar beet Cooperative)	TSB Cukorrepatermelo Szövetkezet (TSB Sugar beet Cooperative)
Transdanubian Oil Crop Cooperative	Transdanubian Oil Crop Cooperative

### Q35A\_3: Q35.A. What group/association/cooperative are a member of? 3RD

Data file: Global\_farm\_data

## Overview

Valid: 0 Invalid: 0

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

## Questions and instructions

### CATEGORIES

Value	Category
Del-Dunantuli Olajszövetkezet (South-Transdanubian Oil Crooperative)	Del-Dunantuli Olajszövetkezet (South-Transdanubian Oil Crooperative)
TSB Cukkorepa termelo Szövetkezet	TSB Cukkorepa termelo Szövetkezet
TSB Sugar-beet cooperative	TSB Sugar-beet cooperative

### 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 - 6 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	flat
2	gentle slope
3	steep slope
4	hilly
5	other. specify:
6	valley

### Q580TH: 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
Mixed	Mixed
Mixed: flat and slightly sloping	Mixed: flat and slightly sloping
Mixed: hilly and flat	Mixed: hilly and flat
Mixed: hilly, flat, slightly sloping	Mixed: hilly, flat, slightly sloping

### 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: 70 - 76.5 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

**Q312: Q312. What is the percentage of pod shattering at harvest for oilseed rape?****Data file:** Global\_farm\_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 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 - 91 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
2013-08-19	2013-08-19
2013-08-27	2013-08-27
2013-08-28	2013-08-28
2013-08-29	2013-08-29
2013-08-30	2013-08-30
2013-09-01	2013-09-01
2013-09-02	2013-09-02
2013-09-03	2013-09-03
2013-09-04	2013-09-04
2013-09-05	2013-09-05
2013-09-06	2013-09-06
2013-09-07	2013-09-07
2013-09-08	2013-09-08
2013-09-10	2013-09-10

2013-09-11	2013-09-11
2013-09-12	2013-09-12
2013-09-13	2013-09-13
2013-09-14	2013-09-14
2013-09-15	2013-09-15
2013-09-16	2013-09-16
2013-09-18	2013-09-18
2013-09-19	2013-09-19
2013-09-20	2013-09-20
2013-09-21	2013-09-21
2013-09-22	2013-09-22
2013-09-23	2013-09-23
2013-09-26	2013-09-26
2013-09-28	2013-09-28
2013-09-29	2013-09-29
2013-09-30	2013-09-30
2013-10-01	2013-10-01
2013-10-02	2013-10-02
2013-10-03	2013-10-03
2013-10-04	2013-10-04
2013-10-05	2013-10-05
2013-10-07	2013-10-07
2013-10-08	2013-10-08
2013-10-10	2013-10-10
2013-10-11	2013-10-11
2013-10-12	2013-10-12
2013-10-13	2013-10-13
2013-10-15	2013-10-15
2013-10-16	2013-10-16
2013-10-20	2013-10-20
2013-10-22	2013-10-22
2013-10-23	2013-10-23
2013-10-24	2013-10-24
2013-10-25	2013-10-25
2013-10-28	2013-10-28
2014-03-20	2014-03-20
2014-03-21	2014-03-21
2014-03-22	2014-03-22
2014-03-25	2014-03-25

2014-03-28	2014-03-28
2014-04-01	2014-04-01
2014-04-02	2014-04-02
2014-04-03	2014-04-03
2014-04-04	2014-04-04
2014-04-05	2014-04-05
2014-04-06	2014-04-06
2014-04-07	2014-04-07
2014-04-08	2014-04-08
2014-04-09	2014-04-09
2014-04-10	2014-04-10
2014-04-11	2014-04-11
2014-04-12	2014-04-12
2014-04-13	2014-04-13
2014-04-14	2014-04-14
2014-04-15	2014-04-15
2014-04-16	2014-04-16
2014-04-17	2014-04-17
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
2014-05-02	2014-05-02
2014-05-07	2014-05-07

## Q247\_1A: Q247. BUYER 1 % of yield

Data file: Global\_farm\_data

### Overview

Valid: 0    Invalid: 0



Type: Continuous    Decimal: 0    Width: 10    Range: 30 - 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: 0 - 70    Format: Numeric

---

### **Q247\_3A: Q247. BUYER 3 % of yield**

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

#### **Overview**

Valid: 0    Invalid: 0

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

---

### **Q247\_4A: Q247. BUYER 4 % of yield**

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

#### **Overview**

Valid: 0    Invalid: 0

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

---

### **Q247\_5A: Q247. BUYER 5 % of yield**

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

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 0 - 0    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: 30000 - 140000    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: 0 - 950000    Format: Numeric

**■ Q247\_3B: Q247. BUYER 3 price per metric ton****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

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

**■ Q247\_4B: Q247. BUYER 4 price per metric ton****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

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

**■ Q247\_5B: Q247. BUYER 5 price per metric ton****Data file:** Global\_farm\_data**Overview**

Valid: 0    Invalid: 0

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

**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
HungaryMaize1	HungaryMaize1
HungaryOilseed rape1	HungaryOilseed rape1
HungarySunflowerSeed1	HungarySunflowerSeed1
HungaryWheat1	HungaryWheat1

**COUNTRY: Country****Data file:** Crop\_protection

## Overview

Valid: 0 Invalid: 0

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

## Questions and instructions

### CATEGORIES

Value	Category
Hungary	Hungary

## 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
171009071	171009071
171009072	171009072
171009101	171009101
171009181	171009181
171009211	171009211
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172629071	172629071
172629101	172629101
172629181	172629181
172629211	172629211
172630071	172630071
172630181	172630181
172630211	172630211

## 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
11	11
12	12
2	2
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
Oilseed rape	Oilseed rape
Sunflower	Sunflower
Wheat	Wheat

**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
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10	10
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

**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

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### CATEGORIES

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2013-09-06	2013-09-06
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2013-10-13	2013-10-13
2013-10-15	2013-10-15
2013-10-16	2013-10-16
2013-10-17	2013-10-17
2013-10-20	2013-10-20
2013-10-21	2013-10-21
2013-10-24	2013-10-24



2013-10-25	2013-10-25
2013-10-26	2013-10-26
2013-10-30	2013-10-30
2013-11-01	2013-11-01
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2019-05-05	2019-05-05
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2019-05-07	2019-05-07
2019-05-08	2019-05-08
2019-05-10	2019-05-10
2019-05-11	2019-05-11
2019-05-13	2019-05-13
2019-05-14	2019-05-14
2019-05-15	2019-05-15
2019-05-16	2019-05-16
2019-05-17	2019-05-17
2019-05-18	2019-05-18
2019-05-19	2019-05-19
2019-05-20	2019-05-20
2019-05-21	2019-05-21

2019-05-22	2019-05-22
2019-05-23	2019-05-23
2019-05-24	2019-05-24
2019-05-25	2019-05-25
2019-05-26	2019-05-26
2019-05-27	2019-05-27
2019-05-28	2019-05-28
2019-05-29	2019-05-29
2019-05-30	2019-05-30
2019-05-31	2019-05-31
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
2019-06-06	2019-06-06
2019-06-07	2019-06-07
2019-06-10	2019-06-10
2019-06-12	2019-06-12
2019-06-13	2019-06-13
2019-06-14	2019-06-14
2019-06-15	2019-06-15
2019-06-16	2019-06-16
2019-06-20	2019-06-20
2019-06-24	2019-06-24
2019-06-25	2019-06-25
2019-06-27	2019-06-27
2019-06-28	2019-06-28
2019-06-29	2019-06-29
2019-07-02	2019-07-02
2019-07-03	2019-07-03
2019-07-06	2019-07-06
2019-07-10	2019-07-10
2019-07-14	2019-07-14
2019-07-15	2019-07-15
2019-07-16	2019-07-16
2019-07-18	2019-07-18
2019-07-19	2019-07-19
2019-07-25	2019-07-25



2019-07-30	2019-07-30
2019-08-21	2019-08-21
2019-08-26	2019-08-26
2019-08-27	2019-08-27
2019-08-28	2019-08-28
2019-08-30	2019-08-30
2019-09-04	2019-09-04
2019-09-06	2019-09-06
2019-09-08	2019-09-08
2019-09-10	2019-09-10
2019-09-11	2019-09-11
2019-09-28	2019-09-28
2019-10-14	2019-10-14

## Q241B: Q241 b.Type of product

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

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

### Questions and instructions

#### CATEGORIES

Value	Category
1	Herbicide
2	Insecticide
3	Fungicide
4	Plant growth regulator, harvest aids,adjuvants
5	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	2,4 D
2,4-D	2,4-D
2,4-D-TRIETHANOLAMINE-SALT	2,4-D-TRIETHANOLAMINE-SALT
2,4-DICHLOROPHENOXYACETIC ACID	2,4-DICHLOROPHENOXYACETIC ACID
ACETAMIPRID	ACETAMIPRID
ALKYL POLYETHOXYETHANOL	ALKYL POLYETHOXYETHANOL
ALLYL-POLYETHYL-GLYCOL-M-ETHER	ALLYL-POLYETHYL-GLYCOL-M-ETHER
ALPHA-CYPERMETHRIN	ALPHA-CYPERMETHRIN
AMIDOSZULFURON	AMIDOSZULFURON
AMINOPYRALIDE	AMINOPYRALIDE
AZOXYSTROBIN	AZOXYSTROBIN
BACILLUS THURINGIENSIS	BACILLUS THURINGIENSIS
BEFLUBUTAMID	BEFLUBUTAMID
BENTAZONE-NA-SALT	BENTAZONE-NA-SALT
BENZOVINDIFLUPYR	BENZOVINDIFLUPYR
BETA-CYFLUTHRIN	BETA-CYFLUTHRIN
BIFENOX	BIFENOX
BIXAFEN	BIXAFEN
BOSKALIDE	BOSKALIDE
BROMOXINIL OTTANOATO	BROMOXINIL OTTANOATO
BROMOXYNIL	BROMOXYNIL
BROMUCONAZOLE	BROMUCONAZOLE
CARFENTRAZONE-E	CARFENTRAZONE-E
CELLULOSE	CELLULOSE
CHLORANTRANILIPROLE	CHLORANTRANILIPROLE
CHLOREPYROPHOS	CHLOREPYROPHOS
CHLORMEQUAT	CHLORMEQUAT
CHLOROPHACINONE	CHLOROPHACINONE
CHLOROTHALONIL	CHLOROTHALONIL
CHLOROTOLURON	CHLOROTOLURON
CHLORPYRIFOS ETHYL	CHLORPYRIFOS ETHYL
CHLORSULPHURON	CHLORSULPHURON
CLETHODIM	CLETHODIM
CLOMAZONE	CLOMAZONE
CLOPYRALID*	CLOPYRALID*

CLOQUINTOCET-MEXYL	CLOQUINTOCET-MEXYL
COPPER-HYDROXIDE	COPPER-HYDROXIDE
CYCLOXYDIM	CYCLOXYDIM
CYFLUTHRIN	CYFLUTHRIN
CYKLOXYDIM	CYKLOXYDIM
CYMOXANYLE	CYMOXANYLE
CYPERMETHRIN	CYPERMETHRIN
CYPROCONAZOLE	CYPROCONAZOLE
CYPROSULFAMID*	CYPROSULFAMID*
DELTAMETHRIN	DELTAMETHRIN
DICAMBA	DICAMBA
DICAMBA-DMA(DIMETHYLAMINE)-SALT	DICAMBA-DMA(DIMETHYLAMINE)-SALT
DIFENOCONAZOLE	DIFENOCONAZOLE
DIFLUFENIKAN	DIFLUFENIKAN
DIKLORPROP-P	DIKLORPROP-P
DIMETENAMID-P	DIMETENAMID-P
DIQUAT	DIQUAT
DIQUAT DIBROMYDE	DIQUAT DIBROMYDE
Do not know	Do not know
EPOXYCONAZOLE	EPOXYCONAZOLE
ESFENVALERATE	ESFENVALERATE
ETHAMETSULPHURONE-METHYL	ETHAMETSULPHURONE-METHYL
ETHEFON	ETHEFON
FATTY ACIDS	FATTY ACIDS
FENPROPIMORF	FENPROPIMORF
FLORASULAM	FLORASULAM
FLUAZIFOP-P-B	FLUAZIFOP-P-B
FLUFENACET	FLUFENACET
FLUMIOXAZIN	FLUMIOXAZIN
FLUOPYRAM	FLUOPYRAM
FLUROCHLORIDON	FLUROCHLORIDON
FLUROXYPYR	FLUROXYPYR
FLUROXYPYR-1-METHYLHEPTYL-ESTER	FLUROXYPYR-1-METHYLHEPTYL-ESTER
FLUTRIAFOL	FLUTRIAFOL
FLUXAPYROXAD	FLUXAPYROXAD
FLUZILAZOL	FLUZILAZOL
FORAMSULFURON	FORAMSULFURON
GAMMA-CIHALOTRIN	GAMMA-CIHALOTRIN
GLYPHOSASATE ISOPROPYLAMMONIUM SALT	GLYPHOSASATE ISOPROPYLAMMONIUM SALT

GLYPHOSATE	GLYPHOSATE
GLYPHOSATE-ISOPROPYL-AMM	GLYPHOSATE-ISOPROPYL-AMM
GLYPHOSATE-ISOPROPYLAMINE	GLYPHOSATE-ISOPROPYLAMINE
HALOXYFOP-P-METHYL-(HALOXYFOP-M)-(HALOXYFOP-R)	HALOXYFOP-P-METHYL-(HALOXYFOP-M)-(HALOXYFOP-R)
IMAZAMOXE	IMAZAMOXE
INDOXACARB	INDOXACARB
ISODECYL-ALCOHOL-ETHOXYMATE	ISODECYL-ALCOHOL-ETHOXYMATE
ISOPROTURON	ISOPROTURON
IZOXADIPHENETHYL	IZOXADIPHENETHYL
JODOSZULFURON	JODOSZULFURON
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
LINURON	LINURON
MCPA	MCPA
MEPIQUAT-KLORID	MEPIQUAT-KLORID
MESOTRIONE	MESOTRIONE
METAZACHLOR	METAZACHLOR
METHOXYFENAZIDE	METHOXYFENAZIDE
METIOLEAT	METIOLEAT
METSULFURON-METHYL	METSULFURON-METHYL
NA-DIOCTYL-SULPHOSUCCINATE (DOCUSATE)	NA-DIOCTYL-SULPHOSUCCINATE (DOCUSATE)
NAPROPAMIDE	NAPROPAMIDE
NIKOSULPHURON	NIKOSULPHURON
OXYFLUORFEN	OXYFLUORFEN
P-NITROPHENOL	P-NITROPHENOL
PENDIMETHALIN	PENDIMETHALIN
PETOXAMID	PETOXAMID
PHORAMSULPHURONE	PHORAMSULPHURONE
PICLORAM	PICLORAM
PICOXYSTROBINE	PICOXYSTROBINE
PIRAKLOSTOBIN	PIRAKLOSTOBIN
PIRIMICARB	PIRIMICARB
POLYACRYLAMIDE	POLYACRYLAMIDE
POLYALKYLENEOX-H-TRISIL	POLYALKYLENEOX-H-TRISIL
POLYALKYLENEOXIDE-MODIFIED-HEPTAMETHYL-TRISILOXANE	POLYALKYLENEOXIDE-MODIFIED-HEPTAMETHYL-TRISILOXANE
POLYOXYETHYLATED-ISODECYL-ALCOHOL	POLYOXYETHYLATED-ISODECYL-ALCOHOL
PROCHLORAZ	PROCHLORAZ
PROPACHIZAPHOPE	PROPACHIZAPHOPE
PROPICONAZOLE	PROPICONAZOLE
PROQUINAZID	PROQUINAZID

PROSULFURONE	PROSULFURONE
PROTHIOCONAZOLE?	PROTHIOCONAZOLE
PROTIKONAZOL	PROTIKONAZOL
PYMETROZINE	PYMETROZINE
PYRACLOSTROBINE	PYRACLOSTROBINE
PYRAFLUFEN-ETHYL	PYRAFLUFEN-ETHYL
QUARTZ	QUARTZ
QUINMERAC	QUINMERAC
QUIZALOFOP-P-E	QUIZALOFOP-P-E
QUIZALOFOP-P-T	QUIZALOFOP-P-T
RAPE-OIL	RAPE-OIL
RIMESULPHURONE	RIMESULPHURONE
S-METOLACHLOR	S-METOLACHLOR
S-METOLACHLORE	S-METOLACHLORE
SOAP	SOAP
STYRENE-BUTADIENE	STYRENE-BUTADIENE
SULCOTRIONE (CHLORMESULON)	SULCOTRIONE (CHLORMESULON)
SULFOSULFURON	SULFOSULFURON
SULPHUR	SULPHUR
TAU-FLUVALINATE	TAU-FLUVALINATE
TEBUCONAZOLE	TEBUCONAZOLE
TEFLUTRIN	TEFLUTRIN
TEMBOTRIONE	TEMBOTRIONE
TERPENES	TERPENES
TETRACONAZOLE	TETRACONAZOLE
THIACLOPRID	THIACLOPRID
THIFENSULFURON	THIFENSULFURON
THIFENSULFURON-M	THIFENSULFURON-M
THIOPHANATE-METYL	THIOPHANATE-METYL
THIPHENSULPHURONE-METHYL	THIPHENSULPHURONE-METHYL
TIAKLOPRID	TIAKLOPRID
TOPRAMEZONE	TOPRAMEZONE
TRIADIMENOL	TRIADIMENOL
TRIASULFURON	TRIASULFURON
TRIBENURONE	TRIBENURONE
TRIBUNERONE-METHYL	TRIBUNERONE-METHYL
TRINEXAPAC-E,	TRINEXAPAC-E,
TRISILOXANE ETHOXYL	TRISILOXANE ETHOXYL
TRITOSULFURON	TRITOSULFURON

ZETA-CIPERMETRIN

ZETA-CIPERMETRIN

**C241CP1: CODED VARIABLE - amount of ai1****Data file:** Crop\_protection**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.0075 - 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
ABAMECTIN (AVERMECTIN B)	ABAMECTIN (AVERMECTIN B)
ADJUVANT*	ADJUVANT*
AMINOPYRALIDE	AMINOPYRALIDE
AMMONIUM SULPHATE	AMMONIUM SULPHATE
CARBENDAZIM	CARBENDAZIM
CELLULOSE	CELLULOSE

CHLOREPYROPHOS	CHLOREPYROPHOS
CHLOROTHALONIL	CHLOROTHALONIL
CHLORPYRIFOS ETHYL	CHLORPYRIFOS ETHYL
CLOMAZONE	CLOMAZONE
CLOPYRALID*	CLOPYRALID*
CLOQUINTOCET-MEXYL	CLOQUINTOCET-MEXYL
CYFLUTHRIN	CYFLUTHRIN
CYPERMETHRIN	CYPERMETHRIN
CYPROCONAZOLE	CYPROCONAZOLE
DICAMBA	DICAMBA
DIFENOCONAZOLE	DIFENOCONAZOLE
DIFLUFENIKAN	DIFLUFENIKAN
DIKLORPROP-P	DIKLORPROP-P
DIMETACHLOR	DIMETACHLOR
DIMETENAMID-P	DIMETENAMID-P
DIMOXYSTRIBINE	DIMOXYSTRIBINE
Do not know	Do not know
EPOXYCONAZOLE	EPOXYCONAZOLE
FAMOXADONE	FAMOXADONE
FATTY-ALCOHOL-ETHOXYLATE	FATTY-ALCOHOL-ETHOXYLATE
FENOXAPROP-P-ETHYL	FENOXAPROP-P-ETHYL
FENPROPIDIN	FENPROPIDIN
FENPROPIMORF	FENPROPIMORF
FLORASULAM	FLORASULAM
FLUROCHLORIDON	FLUROCHLORIDON
FLUZILAZOL	FLUZILAZOL
IODOSULFURON-M	IODOSULFURON-M
ISOPROTURON	ISOPROTURON
ISOPYRAZAM	ISOPYRAZAM
ISOXAFLUTOLE*	ISOXAFLUTOLE*
IZOXADIPHENETHYL	IZOXADIPHENETHYL
JODOSZULFURON	JODOSZULFURON
KALIUM AMINOPIARALID	KALIUM AMINOPIARALID
KREZOXIM-METIL	KREZOXIM-METIL
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
MEFENPIR-DIETIL	MEFENPIR-DIETIL
MEKOPROP-P	MEKOPROP-P
MESOTRIONE	MESOTRIONE
METAZACHLOR	METAZACHLOR



METILPALMITAT	METILPALMITAT
METRIBUZIN	METRIBUZIN
METSULFURON-METHYL	METSULFURON-METHYL
NIKOSULPHURON	NIKOSULPHURON
OXYFLUORFEN	OXYFLUORFEN
PAKLOBUTRAZOLE	PAKLOBUTRAZOLE
PENDIMETHALIN	PENDIMETHALIN
PICLORAM	PICLORAM
PIRAKLOSTOBIN	PIRAKLOSTOBIN
POLYALKYLENEOX-H-TRISIL	POLYALKYLENEOX-H-TRISIL
POLYALKYLENEOXIDE-MODIFIED-HEPTAMETHYL-TRISILOXANE	POLYALKYLENEOXIDE-MODIFIED-HEPTAMETHYL-TRISILOXANE
PROCHLORAZ	PROCHLORAZ
PROHEXADIONE-CALCIUM	PROHEXADIONE-CALCIUM
PROPICONAZOLE	PROPICONAZOLE
PROPYLENE GLYCOL	PROPYLENE GLYCOL
PROSULFURONE	PROSULFURONE
PROTHIOCONAZOLE?	PROTHIOCONAZOLE
PROTIOKONAZOL	PROTIOKONAZOL
PYRACLOSTROBINE	PYRACLOSTROBINE
QUARTZ	QUARTZ
QUINMERAC	QUINMERAC
RIMESULPHURONE	RIMESULPHURONE
S-METOLACHLORE	S-METOLACHLORE
SODIUM-5-NITROGUAIACOLATE	SODIUM-5-NITROGUAIACOLATE
SPYROXAMINE	SPYROXAMINE
TEBUCONAZOLE	TEBUCONAZOLE
TEMBOTRIONE	TEMBOTRIONE
TERBUTYLAZINE	TERBUTYLAZINE
TETRACONAZOLE	TETRACONAZOLE
THIACLOPRID	THIACLOPRID
THIOPHANATE-METYL	THIOPHANATE-METYL
THIPHENSULPHURONE-METHYL	THIPHENSULPHURONE-METHYL
TIAKLOPRID	TIAKLOPRID
TIENCARBOZONE-METHYL	TIENCARBOZONE-METHYL
TOPRAMEZONE	TOPRAMEZONE
TRIADIMENOL	TRIADIMENOL
TRIASULFURON	TRIASULFURON
TRIBENURONE	TRIBENURONE
TRIBUNERONE-METHYL	TRIBUNERONE-METHYL

TRIFLOXYSTROBINE	TRIFLOXYSTROBINE
TRITOSULFURON	TRITOSULFURON

## C241CP2: CODED VARIABLE - amount of ai2

Data file: Crop\_protection

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.1 - 682 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
2,4 D	2,4 D
AMINOPYRALIDE	AMINOPYRALIDE
CHLOROTOLURON	CHLOROTOLURON
CYPROSULFAMID*	CYPROSULFAMID*
DICAMBA	DICAMBA
FLORASULAM	FLORASULAM
FLUROXYPYR	FLUROXYPYR
ISOXADIFEN-E	ISOXADIFEN-E
IZOXADIPHENETHYL	IZOXADIPHENETHYL
MCPA	MCPA
MEFENPIR-DIETIL	MEFENPIR-DIETIL
MEKOPROP-P	MEKOPROP-P
METSULFURON-METHYL	METSULFURON-METHYL
NIKOSULPHURON	NIKOSULPHURON
PENDIMETHALIN	PENDIMETHALIN
PENOXSULAM	PENOXSULAM
PICLORAM	PICLORAM
PINOXADEN	PINOXADEN
PROSULFURONE	PROSULFURONE

QUINMERAC	QUINMERAC
SODIUM-NITROPHENOL	SODIUM-NITROPHENOL
SPYROXAMINE	SPYROXAMINE
STYRENE-BUTADIENE	STYRENE-BUTADIENE
TERBUTYLAZINE	TERBUTYLAZINE
THIENCARBAZONE*	THIENCARBAZONE*
TIENCARBOZONE-METHYL	TIENCARBOZONE-METHYL
TRIADIMENOL	TRIADIMENOL
TRIBENURONE	TRIBENURONE
TRIFLOXYSTROBINE	TRIFLOXYSTROBINE

### C241CP3: CODED VARIABLE - amount of ai3

Data file: Crop\_protection

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.2 - 550 Format: Numeric

### C241CA4: CODED VARIABLE - active ingredient4

Data file: Crop\_protection

#### Overview

Valid: 0 Invalid: 0

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

#### Questions and instructions

#### CATEGORIES

Value	Category
PYROXSULAM	PYROXSULAM

### C241CP4: CODED VARIABLE - amount of ai4

Data file: Crop\_protection

#### Overview

Valid: 0 Invalid: 0

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

**Q241CPT: CODED VARIABLE - total amount of ai****Data file:** Crop\_protection**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.4 - 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: 1 - 17000 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 - 500 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
1	1
a rare fungal disease attacking the lower leaves; septoria	a rare fungal disease attacking the lower leaves; septoria
abutilon theophrasti; amaranthus spp	abutilon theophrasti; amaranthus spp
abutilon theophrasti; chenopodium spp; amaranthus spp	abutilon theophrasti; chenopodium spp; amaranthus spp
abutilon; sorghum halepense	abutilon; sorghum halepense
additive	additive
additive; anti-shattering agent	additive; anti-shattering agent
adhesion enhancer	adhesion enhancer
adjuvant	adjuvant
adjuvants	adjuvants
aelia acuminata	aelia acuminata
against annual weeds	against annual weeds
against fungal diseases	against fungal diseases
against fungal diseases ; growth regulator	against fungal diseases ; growth regulator
against fungal diseases; against leaf diseases	against fungal diseases; against leaf diseases
against fungal diseases; against spicate diseases	against fungal diseases; against spicate diseases
against fungal diseases	against fungal diseases
against head diseases	against head diseases
against head diseases; phoma herbarum; alternaria seminis	against head diseases; phoma herbarum; alternaria seminis
against leaf ; stalk diseases	against leaf ; stalk diseases
against leaf diseases	against leaf diseases
against leaf diseases; fusarium	against leaf diseases; fusarium
against mouldy diseases	against mouldy diseases
against of flower-head ; stalk diseases	against of flower-head ; stalk diseases
against of flower-head diseases	against of flower-head diseases
against of flower-head diseases; white mould sclerotinia sclerotiorum	against of flower-head diseases; white mould sclerotinia sclerotiorum
against of fungal diseases	against of fungal diseases
against of leaf diseases	against of leaf diseases
against of leaf diseases; powdery mildew erysipales; leaf blight helmintosporium maydis	against of leaf diseases; powdery mildew erysipales; leaf blight helmintosporium maydis
against of rusty disease	against of rusty disease
against of rusty disease ; erysipales	against of rusty disease ; erysipales
against of rusty disease ; fusarium	against of rusty disease ; fusarium
against of rusty disease; powdery mildew erysipales	against of rusty disease; powdery mildew erysipales
against of spicate diseases	against of spicate diseases

against of stalk ; flower-head diseases	against of stalk ; flower-head diseases
against sclerotinia	against sclerotinia
against stalk ; head diseases	against stalk ; head diseases
against stalk ; head rot	against stalk ; head rot
against stalk ; leaf diseases	against stalk ; leaf diseases
against stalk diseases	against stalk diseases
against stalk diseases; against leaf diseases	against stalk diseases; against leaf diseases
against the spicate diseases	against the spicate diseases
against the spicate diseases; erysipales; pyrenophora	against the spicate diseases; erysipales; pyrenophora
against the spicate diseases; fusarium	against the spicate diseases; fusarium
against white mould	against white mould
agriotes; melanotus; athous spp;	agriotes; melanotus; athous spp;
agropyron repens	agropyron repens
agropyron repens; ambrosia artemisifolia	agropyron repens; ambrosia artemisifolia
agropyron repens; datura stramonium	agropyron repens; datura stramonium
all	all
all fungal diseases	all fungal diseases
all weeds	all weeds
alternaria	alternaria
alternaria brassicae	alternaria brassicae
alternaria seminis	alternaria seminis
alternaria seminis alternaria seminis	alternaria seminis alternaria seminis
alternaria seminis alternaria seminis; botrytis botrytis cinerea; flower-head diseases	alternaria seminis alternaria seminis; botrytis botrytis cinerea; flower-head diseases
alternaria seminis alternaria seminis; diaporthes diaporthes;	alternaria seminis alternaria seminis; diaporthes diaporthes;
alternaria seminis alternaria seminis; phoma phoma herbarum	alternaria seminis alternaria seminis; phoma phoma herbarum
alternaria seminis; diaporthes; phoma herbarum	alternaria seminis; diaporthes; phoma herbarum
alternaria seminis; phoma herbarum	alternaria seminis; phoma herbarum
alternaria spp	alternaria spp
alternaria spp; phoma	alternaria spp; phoma
alternaria; botrytis; phoma; sclerotinia	alternaria; botrytis; phoma; sclerotinia
alternaria; downy mildew; powdery mildew	alternaria; downy mildew; powdery mildew
alternaria; macrophomina; sclerotinia	alternaria; macrophomina; sclerotinia
alternaria; phoma	alternaria; phoma
alternaria; phoma; cure of frost damage	alternaria; phoma; cure of frost damage
alternaria; phoma; grey mould; whitie	alternaria; phoma; grey mould; whitie
alternaria; phoma; sclerotinia;	alternaria; phoma; sclerotinia;
alternaria; rust	alternaria; rust
alternaria; stem ; head rot; sclerotinia	alternaria; stem ; head rot; sclerotinia

amaranth amaranthus spp f?l?k; bristle grasses setaria spp; f?l?k; goosefoot chenopodium spp f	amaranth amaranthus spp f?l?k; bristle grasses setaria spp; f?l?k; goosefoot chenopodium spp f
amaranth amaranthus spp; bristle grasses setaria spp;	amaranth amaranthus spp; bristle grasses setaria spp;
amaranth amaranthus spp; cannabis weed cannabis sativa subsp; spontanea; common ragweed ambrosia artemisifolia	amaranth amaranthus spp; cannabis weed cannabis sativa subsp; spontanea; common ragweed ambrosia artemisifolia
amaranth amaranthus spp; cockspur echinocloa crus-gali	amaranth amaranthus spp; cockspur echinocloa crus-gali
amaranth amaranthus spp; common ragweed ambrosia artemisifolia	amaranth amaranthus spp; common ragweed ambrosia artemisifolia
amaranth amaranthus spp; deadnettle spp lamium spp	amaranth amaranthus spp; deadnettle spp lamium spp
amaranth amaranthus spp; goosefoot chenopodium spp	amaranth amaranthus spp; goosefoot chenopodium spp
amaranth amaranthus spp; goosefoot chenopodium spp; cannabis weed cannabis sativa subsp; spontanea	amaranth amaranthus spp; goosefoot chenopodium spp; cannabis weed cannabis sativa subsp; spontanea
amaranth amaranthus spp; goosefoot chenopodium spp; common ragweed ambrosia artemisifolia	amaranth amaranthus spp; goosefoot chenopodium spp; common ragweed ambrosia artemisifolia
amaranth amaranthus spp; goosefoot chenopodium spp; devil's snare datura stramonium	amaranth amaranthus spp; goosefoot chenopodium spp; devil's snare datura stramonium
amaranth amaranthus spp; goosefoot chenopodium spp; johnsongrass sorghum halepense	amaranth amaranthus spp; goosefoot chenopodium spp; johnsongrass sorghum halepense
amaranth amaranthus spp; henbane hyoscyamus niger	amaranth amaranthus spp; henbane hyoscyamus niger
amaranth amaranthus spp; henbane hyoscyamus niger;johnsongrass sorghum halepense; bristle gras	amaranth amaranthus spp; henbane hyoscyamus niger;johnsongrass sorghum halepense; bristle gras
amaranth amaranthus spp;common ragweed ambrosia artemisifolia	amaranth amaranthus spp;common ragweed ambrosia artemisifolia
amaranthus	amaranthus
amaranthus anthium spumarium sorghum halepense	amaranthus anthium spumarium sorghum halepense
amaranthus chenopodium setaria virids	amaranthus chenopodium setaria virids
amaranthus spp	amaranthus spp
amaranthus spp; abutilon theophrasti	amaranthus spp; abutilon theophrasti
amaranthus spp; ambrosia artemisifolia	amaranthus spp; ambrosia artemisifolia
amaranthus spp; chenopodium spp; cirsium arvense; xanthium strumarium	amaranthus spp; chenopodium spp; cirsium arvense; xanthium strumarium
amaranthus spp; datura stramonium; setaria spp;; ambrosia artemisifolia	amaranthus spp; datura stramonium; setaria spp;; ambrosia artemisifolia
amaranthus spp; polygonum spp	amaranthus spp; polygonum spp
amaranthus spp; setaria spp;	amaranthus spp; setaria spp;
amaranthus; chenopodium; rubus caesius; ambrosia elatior	amaranthus; chenopodium; rubus caesius; ambrosia elatior
amaranthus; chenopodium; rubus caesius; convulvulus	amaranthus; chenopodium; rubus caesius; convulvulus
ambrosia	ambrosia
ambrosia artemisifolia	ambrosia artemisifolia
ambrosia artemisifolia; agropyron repens	ambrosia artemisifolia; agropyron repens
ambrosia artemisifolia; amaranthus spp	ambrosia artemisifolia; amaranthus spp
ambrosia artemisifolia; chenopodium spp	ambrosia artemisifolia; chenopodium spp
ambrosia artemisifolia; chenopodium spp; amaranthus spp	ambrosia artemisifolia; chenopodium spp; amaranthus spp

ambrosia artemisifolia; chenopodium spp; amaranthus spp; abutilon theophrasti	ambrosia artemisifolia; chenopodium spp; amaranthus spp; abutilon theophrasti
ambrosia artemisifolia; chenopodium spp; panicum miliaceum subsp; ruderales	ambrosia artemisifolia; chenopodium spp; panicum miliaceum subsp; ruderales
ambrosia artemisifolia; cirsium arvense	ambrosia artemisifolia; cirsium arvense
ambrosia artemisifolia; datura stramonium	ambrosia artemisifolia; datura stramonium
ambrosia artemisifolia; datura stramonium; dicot weeds	ambrosia artemisifolia; datura stramonium; dicot weeds
ambrosia artemisifolia; descurainia sophia	ambrosia artemisifolia; descurainia sophia
ambrosia artemisifolia; echinocloa crus-gali	ambrosia artemisifolia; echinocloa crus-gali
ambrosia artemisifolia; stellaria media; capsella bursa pastoris; galium mollugo; cirsium arvense; veronica	ambrosia artemisifolia; stellaria media; capsella bursa pastoris; galium mollugo; cirsium arvense; veronica
ambrosia artemisifolia;stellaria media;capsella bursa pastoris; galium mollugo; cirsium arvense; veronica	ambrosia artemisifolia;stellaria media;capsella bursa pastoris; galium mollugo; cirsium arvense; veronica
ambrosia artemisiifolia	ambrosia artemisiifolia
ambrosia artemisiifolia chenopodium	ambrosia artemisiifolia chenopodium
ambrosia artemisiifolia panicum miliaceum chenopodium	ambrosia artemisiifolia panicum miliaceum chenopodium
ambrosia artemisiifolia; amaranthus retroflexus	ambrosia artemisiifolia; amaranthus retroflexus
ambrosia artemisiifolia; chenopodium spp;	ambrosia artemisiifolia; chenopodium spp;
ambrosia artemisiifolia; chenopodium spp; amaranthus retroflexus; cannabis sativa	ambrosia artemisiifolia; chenopodium spp; amaranthus retroflexus; cannabis sativa
ambrosia artemisiifolia; datura stramonium	ambrosia artemisiifolia; datura stramonium
ambrosia artemisiifolia; echinocloa crus-gali	ambrosia artemisiifolia; echinocloa crus-gali
ambrosia artemisiifolia; libatop	ambrosia artemisiifolia; libatop
ambrosia artemisiifolia; mono ; dicot weeds	ambrosia artemisiifolia; mono ; dicot weeds
ambrosia; amaranthus; chenopodium	ambrosia; amaranthus; chenopodium
ambrosia; chenopodium	ambrosia; chenopodium
ambrosia; chenopodium album	ambrosia; chenopodium album
ambrosia; datura stramonium	ambrosia; datura stramonium
ambrosia; helianthus; chenopodium	ambrosia; helianthus; chenopodium
anisoplia lata	anisoplia lata
anisoplia lata; aphids	anisoplia lata; aphids
anisoplia lata; eurygaster spp	anisoplia lata; eurygaster spp
anisoplia spp	anisoplia spp
anisoplia spp;eurygaster spp;; aelia spp;	anisoplia spp;eurygaster spp;; aelia spp;
annual dicots	annual dicots
annual	annual
annual ; dicotyledonous weeds	annual ; dicotyledonous weeds
annual ; perennial broadleaf grass weeds	annual ; perennial broadleaf grass weeds
annual ; perennial dicots	annual ; perennial dicots
annual ; perennial dicotyledonous weeds	annual ; perennial dicotyledonous weeds
annual ; perennial grass weeds sorghum halepense	annual ; perennial grass weeds sorghum halepense



annual ; perennial mono- ; dicot weeds	annual ; perennial mono- ; dicot weeds
annual ; perennial mono- ; dicot weeds; most of dicot weeds	annual ; perennial mono- ; dicot weeds; most of dicot weeds
annual ; perennial mono-; dicot weeds	annual ; perennial mono-; dicot weeds
annual ; perennial monocot weeds	annual ; perennial monocot weeds
annual ; perennial monocot weeds; most significant bristle grasses setaria spp;; johnsongrass sorghum halepense ; some dicot weeds	annual ; perennial monocot weeds; most significant bristle grasses setaria spp;; johnsongrass sorghum halepense ; some dicot weeds
annual ; perennial monocots	annual ; perennial monocots
annual ; perennial monocotyledons	annual ; perennial monocotyledons
annual ; perennial weeds	annual ; perennial weeds
annual broadleaf weeds	annual broadleaf weeds
annual di-; monocotyledon weeds	annual di-; monocotyledon weeds
annual dicot weeds	annual dicot weeds
annual dicots	annual dicots
annual dicots; cirsium arvense	annual dicots; cirsium arvense
annual dicotyledonous weeds	annual dicotyledonous weeds
annual dicotyledon weeds	annual dicotyledon weeds
annual dicotyledon weeds: common ragweed ambrosia artemisiifolia; cannabis weed; devil's snare dat	annual dicotyledon weeds: common ragweed ambrosia artemisiifolia; cannabis weed; devil's snare dat
annual dicotyledon weeds; poppy papaver rhoeas;flixweed descurainia sophia	annual dicotyledon weeds; poppy papaver rhoeas;flixweed descurainia sophia
annual dicotyledonous	annual dicotyledonous
annual dicotyledonous weeds	annual dicotyledonous weeds
annual dicotyledons	annual dicotyledons
annual dycotiledon seeds	annual dycotiledon seeds
annual grass weeds	annual grass weeds
annual grass weeds ; broadleaf weeds	annual grass weeds ; broadleaf weeds
annual grass weeds ; broadleaf weeds ambrosia artemisiifolia	annual grass weeds ; broadleaf weeds ambrosia artemisiifolia
annual mono ; dicots	annual mono ; dicots
annual mono ; dicotyledon weeds	annual mono ; dicotyledon weeds
annual mono- ; dicot weeds	annual mono- ; dicot weeds
annual mono- ; dicotyledonous weeds	annual mono- ; dicotyledonous weeds
annual mono- ; dicotyledonous weeds; stellaria media; lamium	annual mono- ; dicotyledonous weeds; stellaria media; lamium
annual monocot ; dicot weeds	annual monocot ; dicot weeds
annual monocot weeds	annual monocot weeds
annual monocots	annual monocots
annual monocots ; dicots	annual monocots ; dicots
annual monocots- ; dicots	annual monocots- ; dicots
annual monocotyledon weeds	annual monocotyledon weeds

annual monocotyledon weeds; devil's snare datura stramonium	annual monocotyledon weeds; devil's snare datura stramonium
annual weeds	annual weeds
annual weeds ; broadleaf weeds	annual weeds ; broadleaf weeds
annual weeds ; broadleaf weeds ambrosia artemisiifolia	annual weeds ; broadleaf weeds ambrosia artemisiifolia
annual weeds sorghum halepense	annual weeds sorghum halepense
annual weeds; ambrosia artemisiifolia; datura stramonium	annual weeds; ambrosia artemisiifolia; datura stramonium
annual weeds; chenopodium spp; sorghum halepense; setaria spp	annual weeds; chenopodium spp; sorghum halepense; setaria spp
annual weeds;common ragweed ambrosia artemisifolia	annual weeds;common ragweed ambrosia artemisifolia
annual- ; perennial dicot weeds	annual- ; perennial dicot weeds
annual- ; perennial mono- ; dicot weeds	annual- ; perennial mono- ; dicot weeds
annual- ; perennial mono-; dicot weeds	annual- ; perennial mono-; dicot weeds
anthonomus pomorum	anthonomus pomorum
anti-shattering agent	anti-shattering agent
apera spica-venti	apera spica-venti
apera spica-venti	apera spica-venti
apera spica-venti ; other monocots	apera spica-venti ; other monocots
apera spica-venti; bromus spp	apera spica-venti; bromus spp
apera spica-venti; echinocloa crus-gali; setaria spp;	apera spica-venti; echinocloa crus-gali; setaria spp;
apera spica-venti; stellaria medi; lamium spp	apera spica-venti; stellaria medi; lamium spp
apera spica-venti; veronica	apera spica-venti; veronica
aphid	aphid
aphidoidea	aphidoidea
aphidoidea; eurygaster spp;; aelia spp	aphidoidea; eurygaster spp;; aelia spp
aphidoidea; meligethes aeneus	aphidoidea; meligethes aeneus
aphidoidea; psylloides chrysocephala; meligethes aeneus	aphidoidea; psylloides chrysocephala; meligethes aeneus
aphids	aphids
aphids ; eurygaster	aphids ; eurygaster
aphids aphidoidea	aphids aphidoidea
aphids aphidoidea; cereal bugs eurygaster spp;; aelia spp;	aphids aphidoidea; cereal bugs eurygaster spp;; aelia spp;
aphids aphidoidea; cereal leaf beetles oulema spp	aphids aphidoidea; cereal leaf beetles oulema spp
aphids aphidoidea; miridae	aphids aphidoidea; miridae
aphids eurygaster spp	aphids eurygaster spp
aphids; agrotis segetum	aphids; agrotis segetum
aphids; anisoplia lata;cereal leaf beetles oulema spp	aphids; anisoplia lata;cereal leaf beetles oulema spp
aphids; cabbage stem weevil	aphids; cabbage stem weevil
aphids; cereal bugs eurygaster spp; aelia spp	aphids; cereal bugs eurygaster spp; aelia spp
aphids; cereal bugs eurygaster spp;; aelia spp;; weevils	aphids; cereal bugs eurygaster spp;; aelia spp;; weevils
aphids; cereal leaf beetles oulema spp	aphids; cereal leaf beetles oulema spp

aphids; cereal leaf beetles oulema spp larvae	aphids; cereal leaf beetles oulema spp larvae
aphids; cereal leaf beetles oulema spp; wheat bugs eurygastes spp; ; aelia spp	aphids; cereal leaf beetles oulema spp; wheat bugs eurygastes spp; ; aelia spp
aphids; ceutorhynchus assimilis	aphids; ceutorhynchus assimilis
aphids; eurygaster spp	aphids; eurygaster spp
aphids; turnip sawfly athalia rosae; pollen beetle meligethes aeneus	aphids; turnip sawfly athalia rosae; pollen beetle meligethes aeneus
aphids; wheat bugs eurygaster spp;; aelia spp;	aphids; wheat bugs eurygaster spp;; aelia spp;
aphids; wheat bugs eurygaster spp;; aelia spp;; wheat grain beetle anisoplia spp	aphids; wheat bugs eurygaster spp;; aelia spp;; wheat grain beetle anisoplia spp
artemisia	artemisia
artemisia vulgaris	artemisia vulgaris
athalia rosae	athalia rosae
autumn t2 weeds that are difficult to control	autumn t2 weeds that are difficult to control
avena fatua	avena fatua
avena fatua; apera spica-venti	avena fatua; apera spica-venti
avena fatua; capsela bursa pastoris	avena fatua; capsela bursa pastoris
avena strigosa; apera spica-venti	avena strigosa; apera spica-venti
barley volunteer; monocot- ; dicot weeds	barley volunteer; monocot- ; dicot weeds
basidiomycota fungi	basidiomycota fungi
biostimulator	biostimulator
black ground beetle zabrus tenebrioides	black ground beetle zabrus tenebrioides
botrytis	botrytis
botrytis botrytis cinerea	botrytis botrytis cinerea
botrytis botrytis cinerea; white mould sclerotinia sclerotiorum	botrytis botrytis cinerea; white mould sclerotinia sclerotiorum
botrytis cinerea	botrytis cinerea
botrytis cinerea; against head diseases	botrytis cinerea; against head diseases
botrytis cinerea; phoma	botrytis cinerea; phoma
botrytis cynerea; phoma	botrytis cynerea; phoma
botrytis; downy mildew peronospora spp; head rot	botrytis; downy mildew peronospora spp; head rot
botrytis; sclerot?nia	botrytis; sclerot?nia
botrytis; sclerotinia	botrytis; sclerotinia
botrytis; white mould sclerotinia sclerotiorum	botrytis; white mould sclerotinia sclerotiorum
brassica pod midge drasineura brassicae	brassica pod midge drasineura brassicae
bristle grasses setaria spp;	bristle grasses setaria spp;
bristle grasses setaria spp;; cockspur echinocloa crus-gali;	bristle grasses setaria spp;; cockspur echinocloa crus-gali;
bristle grasses setaria spp;; goosefoot chenopodium spp; amaranth amaranthus spp	bristle grasses setaria spp;; goosefoot chenopodium spp; amaranth amaranthus spp
bristle grasses setaria spp;; goosefoot chenopodium spp; amaranth amaranthus spp; creeping thi	bristle grasses setaria spp;; goosefoot chenopodium spp; amaranth amaranthus spp; creeping thi

bristle grasses setaria spp;; johnsongrass sorghum halepense	bristle grasses setaria spp;; johnsongrass sorghum halepense
bristle grasses setaria spp;;cockspur echinocloa crus-gali;devil's snare datura stramonium; co	bristle grasses setaria spp;;cockspur echinocloa crus-gali;devil's snare datura stramonium; co
bristle grasses setaria spp;;goosefoot chenopodium spp; amaranth amaranthus spp	bristle grasses setaria spp;;goosefoot chenopodium spp; amaranth amaranthus spp
bristle grasses setaria spp;;millet weed panicum miliaceum subsp; rudérale;feny?r;field bindweed	bristle grasses setaria spp;;millet weed panicum miliaceum subsp; rudérale;feny?r;field bindweed
bristle grasses setaria spp;;millet weed panicum miliaceum subsp; rudérale;johnsongrass sorghum	bristle grasses setaria spp;;millet weed panicum miliaceum subsp; rudérale;johnsongrass sorghum
broad-leaved weed	broad-leaved weed
broadleaf weeds	broadleaf weeds
broadleaf weeds cirsium arvense	broadleaf weeds cirsium arvense
bug	bug
bug; aphid	bug; aphid
bugs	bugs
bugs; oulema	bugs; oulema
bugs; oulema melanopus	bugs; oulema melanopus
cabbage moth mamestra brassicae	cabbage moth mamestra brassicae
cabbage seed weevil	cabbage seed weevil
cabbage seed weevil; pollen beetle	cabbage seed weevil; pollen beetle
cabbage stem flea beetle psylloides chrysocephala	cabbage stem flea beetle psylloides chrysocephala
cabbage stem flea beetle psylloides chrysocephala	cabbage stem flea beetle psylloides chrysocephala
cabbage stem flea beetle psylloides chrysocephala turnip sawfly athalia rosae	cabbage stem flea beetle psylloides chrysocephala turnip sawfly athalia rosae
cabbage stem flea beetle psylloides chrysocephala turnip sawfly athalia rosae; pollen beetle me	cabbage stem flea beetle psylloides chrysocephala turnip sawfly athalia rosae; pollen beetle me
cabbage stem flea beetle psylloides chrysocephala; stem weevil ceutorrhynchus napi	cabbage stem flea beetle psylloides chrysocephala; stem weevil ceutorrhynchus napi
cabbage stem flea beetle psylloides chrysocephala; turnip sawfly athalia	cabbage stem flea beetle psylloides chrysocephala; turnip sawfly athalia
cabbage stem flea beetle psylloides chrysocephala; turnip sawfly	cabbage stem flea beetle psylloides chrysocephala; turnip sawfly
cabbage stem weevil ceutorrhynchus quadridens	cabbage stem weevil ceutorrhynchus quadridens
cabbage stem weevil ceutorrhynchus quadridens	cabbage stem weevil ceutorrhynchus quadridens
cabbage stem weevil ceutorrhynchus quadridens	cabbage stem weevil ceutorrhynchus quadridens
cabbage stem weevil ceutorrhynchus quadridens	cabbage stem weevil ceutorrhynchus quadridens
cabbage stem weevil ceutorrhynchus quadridens; cabbage stem flea beetle psylloides chrysocephala	cabbage stem weevil ceutorrhynchus quadridens; cabbage stem flea beetle psylloides chrysocephala
cabbage stem weevil ceutorrhynchus quadridens; stem flea beetle psylloides chrysocephala	cabbage stem weevil ceutorrhynchus quadridens; stem flea beetle psylloides chrysocephala
cabbage stem weevil ceutorrhynchus quadridens;pollen beetle meligethes aeneus; epicometis hirta	cabbage stem weevil ceutorrhynchus quadridens;pollen beetle meligethes aeneus; epicometis hirta
cabbage stem weevilceutorrhynchus quadridens	cabbage stem weevilceutorrhynchus quadridens
cannabis sativa	cannabis sativa

cannabis sativa chenopodium datura stramonium ambrosia	cannabis sativa chenopodium datura stramonium ambrosia
cannabis sativa chenopodium datura stramonium convulvulus ambrosia	cannabis sativa chenopodium datura stramonium convulvulus ambrosia
cannabis sativa datura stramonium convulvulus	cannabis sativa datura stramonium convulvulus
cannabis sativa sorghum halepense	cannabis sativa sorghum halepense
cannabis sativa subsp; spontanea	cannabis sativa subsp; spontanea
cannabis sativa subsp; spontanea; ambrosia artemisifolia	cannabis sativa subsp; spontanea; ambrosia artemisifolia
cannabis sativa subsp; spontanea; dicot weeds	cannabis sativa subsp; spontanea; dicot weeds
cannabis sativa subsp; spontanea; volunteer sunflower	cannabis sativa subsp; spontanea; volunteer sunflower
cannabis sativa; ambrosia artemisiifolia	cannabis sativa; ambrosia artemisiifolia
cannabis weed	cannabis weed
cannabis weed cannabis sativa subsp; spontanea	cannabis weed cannabis sativa subsp; spontanea
cannabis weed; common ragweed ambrosia artemisifolia	cannabis weed; common ragweed ambrosia artemisifolia
capsela bursa pastoris; ambrosia artemisifolia	capsela bursa pastoris; ambrosia artemisifolia
capsella bursa pastoris; convulvulus spp	capsella bursa pastoris; convulvulus spp
capsella bursa pastoris; dicots; veronica spp	capsella bursa pastoris; dicots; veronica spp
capsella bursa pastoris; stellaria media; veronica spp	capsella bursa pastoris; stellaria media; veronica spp
cereal beetle oulema spp	cereal beetle oulema spp
cereal bugs eurygaster spp; aelia spp	cereal bugs eurygaster spp; aelia spp
cereal bugs eurygaster spp; aelia spp;	cereal bugs eurygaster spp; aelia spp;
cereal bugs eurygaster spp;; aelia spp;	cereal bugs eurygaster spp;; aelia spp;
cereal bugs eurygaster spp;; aelia spp;; aelia acuminata	cereal bugs eurygaster spp;; aelia spp;; aelia acuminata
cereal bugs eurygaster spp;; aelia spp;; aphids	cereal bugs eurygaster spp;; aelia spp;; aphids
cereal bugs eurygaster spp;; aelia spp;; aphids aphidoidea	cereal bugs eurygaster spp;; aelia spp;; aphids aphidoidea
cereal bugs eurygaster spp;; aelia spp;; cereal leaf beetles oulema spp	cereal bugs eurygaster spp;; aelia spp;; cereal leaf beetles oulema spp
cereal bugs eurygaster spp;; aelia spp;; weevils; aphids	cereal bugs eurygaster spp;; aelia spp;; weevils; aphids
cereal leaf beetle	cereal leaf beetle
cereal leaf beetle oulema spp	cereal leaf beetle oulema spp
cereal leaf beetle oulema spp; eurygaster spp	cereal leaf beetle oulema spp; eurygaster spp
cereal leaf beetles oulema spp	cereal leaf beetles oulema spp
cereal leaf beetles oulema spp -	cereal leaf beetles oulema spp -
cereal leaf beetles oulema spp ; aphids	cereal leaf beetles oulema spp ; aphids
cereal leaf beetles oulema spp eurygaster spp	cereal leaf beetles oulema spp eurygaster spp
cereal leaf beetles oulema spp;	cereal leaf beetles oulema spp;
cereal leaf beetles oulema spp; aelia acuminata	cereal leaf beetles oulema spp; aelia acuminata
cereal leaf beetles oulema spp; aphid	cereal leaf beetles oulema spp; aphid
cereal leaf beetles oulema spp; aphids	cereal leaf beetles oulema spp; aphids
cereal leaf beetles oulema spp; aphids aphidoidea	cereal leaf beetles oulema spp; aphids aphidoidea
cereal leaf beetles oulema spp; eurygaster spp	cereal leaf beetles oulema spp; eurygaster spp

cereal leaf beetles oulema spp; gabonaszipoly	cereal leaf beetles oulema spp; gabonaszipoly
cereal leaf beetles oulema spp; oulema melanopus	cereal leaf beetles oulema spp; oulema melanopus
cereal leaf beetles oulema spp; poloska	cereal leaf beetles oulema spp; poloska
cereal leaf beetles oulema spp	cereal leaf beetles oulema spp
cereal volunteer crop	cereal volunteer crop
ceutorhynchus assimilis	ceutorhynchus assimilis
ceutorhynchus assimilis ; ceutorhynchus pallidactylus	ceutorhynchus assimilis ; ceutorhynchus pallidactylus
ceutorhynchus assimilis; meligethes aeneus	ceutorhynchus assimilis; meligethes aeneus
ceutorhynchus pallidactylus	ceutorhynchus pallidactylus
ceutorhynchus pallidactylus; meligethes aeneus	ceutorhynchus pallidactylus; meligethes aeneus
ceutorhynchus spp	ceutorhynchus spp
ceutorrhynchus napi	ceutorrhynchus napi
ceutorrhynchus quadridens	ceutorrhynchus quadridens
ceutorrhynchus quadridens; ceutorhynchus assimilis	ceutorrhynchus quadridens; ceutorhynchus assimilis
ceutorrhynchus spp	ceutorrhynchus spp
ceutorrhynchus spp; pollen beetle meligethes aeneus	ceutorrhynchus spp; pollen beetle meligethes aeneus
ceutorrhynchus spp; seed weevil ceutorhynchus assimilis	ceutorrhynchus spp; seed weevil ceutorhynchus assimilis
ceutorrhynchus spp; stem flea beetle psylliodes chrysocephala	ceutorrhynchus spp; stem flea beetle psylliodes chrysocephala
chaetocnema tibialis	chaetocnema tibialis
chamomila; creeping thistle cirsium arvense	chamomila; creeping thistle cirsium arvense
chamomilla matricaria chamomilla; corn flower centaurea cyanus; poppy papaver rhoeas	chamomilla matricaria chamomilla; corn flower centaurea cyanus; poppy papaver rhoeas
chamomilla; annual ; perennial mono ; dicots	chamomilla; annual ; perennial mono ; dicots
chenopodium	chenopodium
chenopodium album	chenopodium album
chenopodium album anthium strumarium	chenopodium album anthium strumarium
chenopodium album; chamilla; stellaria media	chenopodium album; chamilla; stellaria media
chenopodium spp	chenopodium spp
chenopodium spp; amaranthus spp	chenopodium spp; amaranthus spp
chenopodium spp; amaranthus spp; sorghum halepense	chenopodium spp; amaranthus spp; sorghum halepense
chenopodium spp; ambrosia artemisifolia	chenopodium spp; ambrosia artemisifolia
chenopodium spp; amaranthus retroflexus; volunteer sunflower	chenopodium spp; amaranthus retroflexus; volunteer sunflower
chenopodium spp; cirsium arvense	chenopodium spp; cirsium arvense
chenopodium spp; echinocloa crus-gali	chenopodium spp; echinocloa crus-gali
chenopodium spp; echinocloa crus-gali; sorghum	chenopodium spp; echinocloa crus-gali; sorghum
chenopodium spp; sorghum halepense; datura stramonium	chenopodium spp; sorghum halepense; datura stramonium
chenopodium; abutilon	chenopodium; abutilon
chenopodium; amaranthus	chenopodium; amaranthus

chenopodium; datura stramonium	chenopodium; datura stramonium
chenopodium; datura stramonium; ambrosia artemisiifolia	chenopodium; datura stramonium; ambrosia artemisiifolia
chenopodium; datura stramonium; convolvulus arvensis; cannabis sativa; ambrosia artemisiifolia	chenopodium; datura stramonium; convolvulus arvensis; cannabis sativa; ambrosia artemisiifolia
chenopodium; echinocloa crus-galli; ragweed	chenopodium; echinocloa crus-galli; ragweed
chenopodium; millet	chenopodium; millet
chenopodium; panicum miliaceum; setaria spp	chenopodium; panicum miliaceum; setaria spp
chenopodium; panicum; setaria	chenopodium; panicum; setaria
chenopodium; ragweed	chenopodium; ragweed
chickweed stellaria media	chickweed stellaria media
chickweed stellaria media; deadnettle lamium spp	chickweed stellaria media; deadnettle lamium spp
chickweed stellaria media; deadnettle spp lamium spp; veronica	chickweed stellaria media; deadnettle spp lamium spp; veronica
chickweed stellaria media; veronica; poppy papaver rhoeas	chickweed stellaria media; veronica; poppy papaver rhoeas
chickweed stellaria media; veronica; poppy papaver rhoeas; chamomilla matricaria chamomilla	chickweed stellaria media; veronica; poppy papaver rhoeas; chamomilla matricaria chamomilla
chickweed stellaria media;poppy papaver rhoeas	chickweed stellaria media;poppy papaver rhoeas
chickweed; veronica sp; red-poppy	chickweed; veronica sp; red-poppy
cirsium arvens	cirsium arvens
cirsium arvense	cirsium arvense
cirsium arvense abutilon theoprasti	cirsium arvense abutilon theoprasti
cirsium arvense arvense convulvulus datura stramonium	cirsium arvense arvense convulvulus datura stramonium
cirsium arvense arvense veronica convulvulus	cirsium arvense arvense veronica convulvulus
cirsium arvense dicots	cirsium arvense dicots
cirsium arvense; ambrosia artemisifolia	cirsium arvense; ambrosia artemisifolia
cirsium arvense; ambrosia artemisiifolia	cirsium arvense; ambrosia artemisiifolia
cirsium arvense; chenopodium spp; sorghum halepense	cirsium arvense; chenopodium spp; sorghum halepense
cirsium arvense; datura stramonium; chenopodium album	cirsium arvense; datura stramonium; chenopodium album
cirsium arvense; matricaria chamomilla; galium mollugo	cirsium arvense; matricaria chamomilla; galium mollugo
cirsium arvense; veronica	cirsium arvense; veronica
cirsium arvense; veronica; ambrosia artemisifolia	cirsium arvense; veronica; ambrosia artemisifolia
cirsium arvense; veronica; poppy	cirsium arvense; veronica; poppy
cirsium arvense;chenopodium spp;sorghum halepense	cirsium arvense;chenopodium spp;sorghum halepense
click beetle larvae ; wireworms	click beetle larvae ; wireworms
click beetle larvae ; wireworms agriotes; melanotus; athous spp;	click beetle larvae ; wireworms agriotes; melanotus; athous spp;
click beetle larvae ; wireworms agriotes; melanotus; athous spp;; cutworm noctua pronuba; larvae of western corn rootworm diabrotica virgifera	click beetle larvae ; wireworms agriotes; melanotus; athous spp;; cutworm noctua pronuba; larvae of western corn rootworm diabrotica virgifera
click beetle larvae ; wireworms agriotes; melanotus; athous spp;; larvae of western corn rootworm diabrotica virgifera	click beetle larvae ; wireworms agriotes; melanotus; athous spp;; larvae of western corn rootworm diabrotica virgifera

click beetle larvae ; wireworms; cutworm; maize leaf weevil tanymericus dilaticollis; western corn r	click beetle larvae ; wireworms; cutworm; maize leaf weevil tanymericus dilaticollis; western corn r
click beetle larvae ; wireworms; maize leaf weevil tanymericus dilaticollis	click beetle larvae ; wireworms; maize leaf weevil tanymericus dilaticollis
click beetle larvae ; wireworms; western corn rootworm diabrotica virgifera	click beetle larvae ; wireworms; western corn rootworm diabrotica virgifera
cockchafer; grub	cockchafer; grub
cockspur echinocloa crus-gali	cockspur echinocloa crus-gali
cockspur echinocloa crus-gali; bristle grasses setaria spp;	cockspur echinocloa crus-gali; bristle grasses setaria spp;
cockspur echinocloa crus-gali; common ragweed ambrosia artemisifolia; goosefoot chenopodium spp	cockspur echinocloa crus-gali; common ragweed ambrosia artemisifolia; goosefoot chenopodium spp
cockspur echinocloa crus-gali; johnsongrass sorghum halepense	cockspur echinocloa crus-gali; johnsongrass sorghum halepense
cockspur echinocloa crus-gali; loose silky-bent apera spica- venti	cockspur echinocloa crus-gali; loose silky-bent apera spica- venti
cockspur echinocloa crus-gali; volunteer sunflower; field bindweed convulvulus arvensis	cockspur echinocloa crus-gali; volunteer sunflower; field bindweed convulvulus arvensis
cockspur echinocloa crus-gali;millet weed panicum miliaceum subsp; ruderales	cockspur echinocloa crus-gali;millet weed panicum miliaceum subsp; ruderales
common ragweed ambrosia artemisifolia	common ragweed ambrosia artemisifolia
common ragweed ambrosia artemisifolia goosefoot chenopodium spp	common ragweed ambrosia artemisifolia goosefoot chenopodium spp
common ragweed ambrosia artemisifolia; amaranth amaranthus spp	common ragweed ambrosia artemisifolia; amaranth amaranthus spp
common ragweed ambrosia artemisifolia; amaranth amaranthus spp ?s k?tszik? gyomok	common ragweed ambrosia artemisifolia; amaranth amaranthus spp ?s k?tszik? gyomok
common ragweed ambrosia artemisifolia; amaranth amaranthus spp; egy?b k?tszik? gyomok	common ragweed ambrosia artemisifolia; amaranth amaranthus spp; egy?b k?tszik? gyomok
common ragweed ambrosia artemisifolia; bristle grasses setaria spp;; cannabis weed; devil's snar	common ragweed ambrosia artemisifolia; bristle grasses setaria spp;; cannabis weed; devil's snar
common ragweed ambrosia artemisifolia; bristle grasses setaria spp;; devil's snare datura stramonium	common ragweed ambrosia artemisifolia; bristle grasses setaria spp;; devil's snare datura stramonium
common ragweed ambrosia artemisifolia; cannabis weed	common ragweed ambrosia artemisifolia; cannabis weed
common ragweed ambrosia artemisifolia; cannabis weed cannabis sativa subsp; spontanea	common ragweed ambrosia artemisifolia; cannabis weed cannabis sativa subsp; spontanea
common ragweed ambrosia artemisifolia; cannabis weed; devil's snare datura stramonium; amaranth	common ragweed ambrosia artemisifolia; cannabis weed; devil's snare datura stramonium; amaranth
common ragweed ambrosia artemisifolia; cannabis weed;devil's snare datura stramonium; amaranth	common ragweed ambrosia artemisifolia; cannabis weed;devil's snare datura stramonium; amaranth
common ragweed ambrosia artemisifolia; creeping thistle cirsium arvense	common ragweed ambrosia artemisifolia; creeping thistle cirsium arvense
common ragweed ambrosia artemisifolia; csattan?	common ragweed ambrosia artemisifolia; csattan?
common ragweed ambrosia artemisifolia; devil's snare datura stramonium	common ragweed ambrosia artemisifolia; devil's snare datura stramonium
common ragweed ambrosia artemisifolia; devil's snare datura stramonium; selyemm?lyva	common ragweed ambrosia artemisifolia; devil's snare datura stramonium; selyemm?lyva
common ragweed ambrosia artemisifolia; devil's snare datura stramonium; velvetleaf abutilon th	common ragweed ambrosia artemisifolia; devil's snare datura stramonium; velvetleaf abutilon th



common ragweed ambrosia artemisifolia; goosefoot chenopodium spp	common ragweed ambrosia artemisifolia; goosefoot chenopodium spp
common ragweed ambrosia artemisifolia; goosefoot chenopodium spp; cockspur echinocloa crus-gali	common ragweed ambrosia artemisifolia; goosefoot chenopodium spp; cockspur echinocloa crus-gali
common ragweed ambrosia artemisifolia; gyommillet weed panicum miliaceum subsp; ruderales	common ragweed ambrosia artemisifolia; gyommillet weed panicum miliaceum subsp; ruderales
common ragweed ambrosia artemisifolia; millet weed panicum miliaceum subsp; ruderales	common ragweed ambrosia artemisifolia; millet weed panicum miliaceum subsp; ruderales
common ragweed ambrosia artemisifolia; millet weed panicum miliaceum subsp; ruderales; devil's snare datura stramonium; goosefoot chenopodium spp	common ragweed ambrosia artemisifolia; millet weed panicum miliaceum subsp; ruderales; devil's snare datura stramonium; goosefoot chenopodium spp
common ragweed ambrosia artemisifolia; millet weed panicum miliaceum subsp; ruderales; goosefoot chenopodium spp	common ragweed ambrosia artemisifolia; millet weed panicum miliaceum subsp; ruderales; goosefoot chenopodium spp
common ragweed ambrosia artemisifolia;millet weed panicum miliaceum subsp; ruderales	common ragweed ambrosia artemisifolia;millet weed panicum miliaceum subsp; ruderales
common ragweed ambrosia artemisifolia; bristle grasses setaria spp;; devil's snare datura stramonium	common ragweed ambrosia artemisifolia; bristle grasses setaria spp;; devil's snare datura stramonium
common vole	common vole
confolvulus arvensis	confolvulus arvensis
convolvulus arvensis	convolvulus arvensis
convulvulu arvensis;chenopodium spp; echinocloa	convulvulu arvensis;chenopodium spp; echinocloa
convulvulus arvensis conyza canadensis sorghum halepense	convulvulus arvensis conyza canadensis sorghum halepense
convulvulus spp; poppy	convulvulus spp; poppy
corn borer	corn borer
corn borer otrinia nubilalis	corn borer otrinia nubilalis
corn rootworm	corn rootworm
corn rootworm; heliothis armigera	corn rootworm; heliothis armigera
cotton bollworm heliothis armigera	cotton bollworm heliothis armigera
couch grass agropyron repens	couch grass agropyron repens
couch grass cynodon dactylon; johnsongrass sorghum halepense	couch grass cynodon dactylon; johnsongrass sorghum halepense
creeping thistle cirsium arvense	creeping thistle cirsium arvense
creeping thistle cirsium arvense; devil's snare datura stramonium;amaranth amaranthus spp	creeping thistle cirsium arvense; devil's snare datura stramonium;amaranth amaranthus spp
creeping thistle cirsium arvense; field bindweed convulvulus arvensis; devil's snare datura stramonium; goosefoot chenopodium spp	creeping thistle cirsium arvense; field bindweed convulvulus arvensis; devil's snare datura stramonium; goosefoot chenopodium spp
creeping thistle cirsium arvense; field bindweed convulvulus arvensis	creeping thistle cirsium arvense; field bindweed convulvulus arvensis
creeping thistle cirsium arvense; goosefoot chenopodium spp	creeping thistle cirsium arvense; goosefoot chenopodium spp
creeping thistle cirsium arvense; goosefoot chenopodium spp; devil's snare datura stramonium	creeping thistle cirsium arvense; goosefoot chenopodium spp; devil's snare datura stramonium
creeping thistle cirsium arvense; hedge bedstraw galium mollugo veronica spp;	creeping thistle cirsium arvense; hedge bedstraw galium mollugo veronica spp;
creeping thistle cirsium arvense; poppy papaver rhoeas	creeping thistle cirsium arvense; poppy papaver rhoeas

cure of frost damage	cure of frost damage
cure of frost damage; powdery mildew	cure of frost damage; powdery mildew
datura panicum spp cannabis	datura panicum spp cannabis
datura stramonium; chenopodium album; veronica hederifolia	datura stramonium; chenopodium album; veronica hederifolia
datura stramonium	datura stramonium
datura stramonium chenopodium spp; cannabis sativa	datura stramonium chenopodium spp; cannabis sativa
datura stramonium cirsium arvense	datura stramonium cirsium arvense
datura stramonium; alternaria seminis	datura stramonium; alternaria seminis
datura stramonium; ambrosia artemisiifolia	datura stramonium; ambrosia artemisiifolia
datura stramonium; ambrosia elatior; cannabis sativa	datura stramonium; ambrosia elatior; cannabis sativa
datura stramonium; artemisia vulgaris; chenopodium spp	datura stramonium; artemisia vulgaris; chenopodium spp
datura stramonium; chenopodium	datura stramonium; chenopodium
datura stramonium; chenopodium spp; panicum miliaceum subsp; ruderalis	datura stramonium; chenopodium spp; panicum miliaceum subsp; ruderalis
datura stramonium; dicotyledonous weeds	datura stramonium; dicotyledonous weeds
datura stramonium; other dicots	datura stramonium; other dicots
datura stramonium; sorghum halepense	datura stramonium; sorghum halepense
datura; chenopodium; laboda; pokolvar libatop; amaranthus; echinocloa crus-galli; setaria spp	datura; chenopodium; laboda; pokolvar libatop; amaranthus; echinocloa crus-galli; setaria spp
deadnettle spp lamium spp; b?zavir?g	deadnettle spp lamium spp; b?zavir?g
deadnettle spp lamium spp; field mustard sinapis arvensis	deadnettle spp lamium spp; field mustard sinapis arvensis
deadnettle spp lamium spp; field mustard sinapis arvensis; loose silky-bent apera spica-venti;	deadnettle spp lamium spp; field mustard sinapis arvensis; loose silky-bent apera spica-venti;
decreases pod openings	decreases pod openings
decreasing frost damages	decreasing frost damages
desiccation	desiccation
descurainia sophia	descurainia sophia
descurainia sophia; poppy; veronica spp	descurainia sophia; poppy; veronica spp
descurainia sophia;chamilla; amaranthus	descurainia sophia;chamilla; amaranthus
desiccant	desiccant
desiccants	desiccants
desiccation	desiccation
desiccation; agropyron repens	desiccation; agropyron repens
desiccation; drying of the emerged crop	desiccation; drying of the emerged crop
desiccation	desiccation
dessicant	dessicant
dessication	dessication
dessication; weeds	dessication; weeds
devil's snare datura stramonium	devil's snare datura stramonium
devil's snare datura stramonium; amaranth amaranthus spp	devil's snare datura stramonium; amaranth amaranthus spp

devil's snare datura stramonium; amaranth amaranthus spp; volunteer sunflower	devil's snare datura stramonium; amaranth amaranthus spp; volunteer sunflower
devil's snare datura stramonium; cannabis weed; common ragweed ambrosia artemisifolia millet wee	devil's snare datura stramonium; cannabis weed; common ragweed ambrosia artemisifolia millet wee
devil's snare datura stramonium; cannabis weed; common ragweed ambrosia artemisifolia; millet we	devil's snare datura stramonium; cannabis weed; common ragweed ambrosia artemisifolia; millet we
devil's snare datura stramonium; common cocklebur xanthium strumarium	devil's snare datura stramonium; common cocklebur xanthium strumarium
devil's snare datura stramonium; common ragweed ambrosia artemisifolia	devil's snare datura stramonium; common ragweed ambrosia artemisifolia
devil's snare datura stramonium; common ragweed ambrosia artemisifolia; amaranth amaranthus spp	devil's snare datura stramonium; common ragweed ambrosia artemisifolia; amaranth amaranthus spp
devil's snare datura stramonium; common ragweed ambrosia artemisifolia; johnsongrass sorghum ha	devil's snare datura stramonium; common ragweed ambrosia artemisifolia; johnsongrass sorghum ha
devil's snare datura stramonium; creeping thistle cirsium arvense; field bindweed convulvulus arvensis	devil's snare datura stramonium; creeping thistle cirsium arvense; field bindweed convulvulus arvensis
devil's snare datura stramonium; goosefoot chenopodium spp	devil's snare datura stramonium; goosefoot chenopodium spp
devil's snare datura stramonium; johnsongrass sorghum halepense	devil's snare datura stramonium; johnsongrass sorghum halepense
devil's snare datura stramonium; mohar; amaranth amaranthus spp; goosefoot chenopodium spp	devil's snare datura stramonium; mohar; amaranth amaranthus spp; goosefoot chenopodium spp
devil's snare datura stramonium; velvetleaf abutilon theophrasti; common cocklebur xanthium str	devil's snare datura stramonium; velvetleaf abutilon theophrasti; common cocklebur xanthium str
devil's snare datura stramonium; veronica hederifolia	devil's snare datura stramonium; veronica hederifolia
diabrotica virgifera	diabrotica virgifera
diabrotica virgifera larvae	diabrotica virgifera larvae
diabrotica virgifera; agriotes; melanotus; athous spp;	diabrotica virgifera; agriotes; melanotus; athous spp;
diabrotica virgifera; aphids	diabrotica virgifera; aphids
diabrotica virgifera; ostrinia nubilalis	diabrotica virgifera; ostrinia nubilalis
diabrotica virgifera; western corn rootworm diabrotica virgifera	diabrotica virgifera; western corn rootworm diabrotica virgifera
diaporthe ; other fungal diseases	diaporthe ; other fungal diseases
diaporthe	diaporthe
diaporthe; botrytis	diaporthe; botrytis
diaporthe; botrytis; alternaria	diaporthe; botrytis; alternaria
diaporthe; phoma herbarum	diaporthe; phoma herbarum
dicot weeds	dicot weeds
dicot ; monocot weeds	dicot ; monocot weeds
dicot weeds	dicot weeds
dicot weeds; ambrosia elatior; datura stramonium	dicot weeds; ambrosia elatior; datura stramonium
dicot weeds; cirsium arvense	dicot weeds; cirsium arvense
dicot weeds; devil's snare datura stramonium; common ragweed ambrosia artemisifolia	dicot weeds; devil's snare datura stramonium; common ragweed ambrosia artemisifolia

dicot weeds; goosefoot chenopodium spp; shepherd's-purse capsela bursa pastoris	dicot weeds; goosefoot chenopodium spp; shepherd's-purse capsela bursa pastoris
dicot weeds; matricaria; veronica	dicot weeds; matricaria; veronica
dicot weeds; sinapis arvensis; lamium spp	dicot weeds; sinapis arvensis; lamium spp
dicot weeds; sunflower volunteer crop; chenopodium spp	dicot weeds; sunflower volunteer crop; chenopodium spp
dicotyledon weeds	dicotyledon weeds
dicots	dicots
dicots ; monocots	dicots ; monocots
dicots veronica spp; capsella bursa pastoris	dicots veronica spp; capsella bursa pastoris
dicots; lamium spp; veronica spp	dicots; lamium spp; veronica spp
dicots; veronica spp; capsela bursa pastoris	dicots; veronica spp; capsela bursa pastoris
dicots; veronica spp; chenopodium album	dicots; veronica spp; chenopodium album
dicotyledon weeds	dicotyledon weeds
dicotyledon weeds;annual ; perennial	dicotyledon weeds;annual ; perennial
dicotyledonous weed	dicotyledonous weed
dicotyledonous weeds	dicotyledonous weeds
dicotyledonous weeds; lamium; veronica	dicotyledonous weeds; lamium; veronica
dicotyledonous weeds; ragweed	dicotyledonous weeds; ragweed
dicotyledonous weeds; ragweed; amaranthus	dicotyledonous weeds; ragweed; amaranthus
dicotyledonous weeds; stellaria media; veronica spp	dicotyledonous weeds; stellaria media; veronica spp
disease	disease
diseases	diseases
diseases of the head	diseases of the head
don't know	don't know
downy mildew	downy mildew
downy mildew peronospora spp	downy mildew peronospora spp
downy mildew peronospora spp; altern?ria	downy mildew peronospora spp; altern?ria
downy mildew peronospora spp; rust	downy mildew peronospora spp; rust
downy mildew plasmopara halstedii	downy mildew plasmopara halstedii
downy mildew plasmopara halstedii; alternaria	downy mildew plasmopara halstedii; alternaria
dycotyledon	dycotyledon
dycotyledon weeds	dycotyledon weeds
ear ; crop protection	ear ; crop protection
ear ; foliar diseases; septoria	ear ; foliar diseases; septoria
ear ; leaf diseases	ear ; leaf diseases
ear diseases	ear diseases
ear diseases; prevention of fusarium	ear diseases; prevention of fusarium
ear fusarium	ear fusarium
ear protection	ear protection

ear protection; fusarium	ear protection; fusarium
early post; there are no weeds; against mono- ; dicotyledonous weeds	early post; there are no weeds; against mono- ; dicotyledonous weeds
echinocloa; dicotyledonous weed	echinocloa; dicotyledonous weed
echinocloa; dicotyledonous weeds	echinocloa; dicotyledonous weeds
echinocloa; setaria	echinocloa; setaria
echinocloa	echinocloa
echinocloa chenopodium	echinocloa chenopodium
echinocloa chenopodium ambrosia artemisiifolia	echinocloa chenopodium ambrosia artemisiifolia
echinocloa crus gali	echinocloa crus gali
echinocloa crus gali; ambrosia artemisiifolia; chenopodium spp	echinocloa crus gali; ambrosia artemisiifolia; chenopodium spp
echinocloa crus gali; setaria spp; sorghum halepense	echinocloa crus gali; setaria spp; sorghum halepense
echinocloa crus-gali	echinocloa crus-gali
echinocloa crus-gali; ambrosia artemisiifolia; chenopodium spp	echinocloa crus-gali; ambrosia artemisiifolia; chenopodium spp
echinocloa crus-gali; ambrosia artemisiifolia; datura stramonium	echinocloa crus-gali; ambrosia artemisiifolia; datura stramonium
echinocloa crus-gali; annual mono- ; dicot weeds	echinocloa crus-gali; annual mono- ; dicot weeds
echinocloa crus-gali; convulvulus arvensis; chenopodium spp	echinocloa crus-gali; convulvulus arvensis; chenopodium spp
echinocloa crus-gali; muhar; panicum miliaceum; ambrosia artemisiifolia	echinocloa crus-gali; muhar; panicum miliaceum; ambrosia artemisiifolia
echinocloa crus-gali; panicum miliaceum	echinocloa crus-gali; panicum miliaceum
echinocloa crus-gali; setaria spp;; ambrosia artemisiifolia; chenopodium spp	echinocloa crus-gali; setaria spp;; ambrosia artemisiifolia; chenopodium spp
echinocloa crus-gali; setaria viridis	echinocloa crus-gali; setaria viridis
echinocloa crus-gali; sorghum halepense	echinocloa crus-gali; sorghum halepense
echinocloa gali chenopodium ambrosia	echinocloa gali chenopodium ambrosia
echinocloa panicum miliaceum chenopodium ambrosia artemisiifolia	echinocloa panicum miliaceum chenopodium ambrosia artemisiifolia
effect enhancer	effect enhancer
effect enhancer adjuvant	effect enhancer adjuvant
efficiency enhancer	efficiency enhancer
egysziku; johnsongrass sorghum halepense; cockspur echinocloa crus-gali; bristle grasses setaria spp;	egysziku; johnsongrass sorghum halepense; cockspur echinocloa crus-gali; bristle grasses setaria spp;
elymus repens	elymus repens
enhancer	enhancer
epicometis hirta	epicometis hirta
erysipales	erysipales
erysipales; against leaf diseases	erysipales; against leaf diseases
erysipales; against leaf diseases; fusarium	erysipales; against leaf diseases; fusarium
erysipales; against of rusty disease	erysipales; against of rusty disease

erysipales; against of rusty disease ; pyrenophora tritici repentis	erysipales; against of rusty disease ; pyrenophora tritici repentis
erysipales; fusarium	erysipales; fusarium
erysipales; helmintosporium maydis	erysipales; helmintosporium maydis
erysipales; plasmopara halsted	erysipales; plasmopara halsted
erysipales; septoria cytisi; pyrenophora	erysipales; septoria cytisi; pyrenophora
eurygaster spp	eurygaster spp
eurygaster spp; aphids	eurygaster spp; aphids
eurygaster spp; cereal leaf beetles oulema spp	eurygaster spp; cereal leaf beetles oulema spp
eurygaster spp;; aelia spp	eurygaster spp;; aelia spp
eurygaster spp;; aelia spp;	eurygaster spp;; aelia spp;
everything	everything
field bindweed convulvulus arvensis; amaranth amaranthus spp	field bindweed convulvulus arvensis; amaranth amaranthus spp
field bindweed convulvulus arvensis; ambr?zia; feny?r; goosefoot chenopodium spp; cannabis weed	field bindweed convulvulus arvensis; ambr?zia; feny?r; goosefoot chenopodium spp; cannabis weed
field bindweed convulvulus arvensis; cockspur echinocloa crus-gali	field bindweed convulvulus arvensis; cockspur echinocloa crus-gali
field bindweed convulvulus arvensis; common ragweed ambrosia artemisifolia; johnsongrass sorghu	field bindweed convulvulus arvensis; common ragweed ambrosia artemisifolia; johnsongrass sorghu
field bindweed convulvulus arvensis; shepherd's-purse capsela bursa pastoris	field bindweed convulvulus arvensis; shepherd's-purse capsela bursa pastoris
flea	flea
flea beetle	flea beetle
flea beetle ; pollen beetle	flea beetle ; pollen beetle
flea beetle psylloides chrysocephala; turnip sawfly athalea rosae	flea beetle psylloides chrysocephala; turnip sawfly athalea rosae
flea beetle; larvae of turnip sawfly	flea beetle; larvae of turnip sawfly
flixweed descurainia sophia	flixweed descurainia sophia
flixweed descurainia sophia; deadnettle spp lamium spp	flixweed descurainia sophia; deadnettle spp lamium spp
flixweed descurainia sophia; flixweed descurainia sophia	flixweed descurainia sophia; flixweed descurainia sophia
flixweed descurainia sophia; hedge bedstraw galium mollugo	flixweed descurainia sophia; hedge bedstraw galium mollugo
flixweed descurainia sophia; veronica spp chickweed stellaria media	flixweed descurainia sophia; veronica spp chickweed stellaria media
flixweed descurainia sophia; veronica spp;	flixweed descurainia sophia; veronica spp;
flixweed descurainia sophia; poppy papaver rhoas; sheperd's purse capsella bursa pastori	flixweed descurainia sophia; poppy papaver rhoas; sheperd's purse capsella bursa pastori
foliar ; ear diseases	foliar ; ear diseases
foliar ; stem diseases; alternaria	foliar ; stem diseases; alternaria
foliar diease; foliar rust	foliar diease; foliar rust
foliar disease	foliar disease
foliar disease; fusarium	foliar disease; fusarium

foliar diseases	foliar diseases
foliar diseases; ear diseases	foliar diseases; ear diseases
foliar diseases; ear fusarium	foliar diseases; ear fusarium
foliar diseases; fusarium	foliar diseases; fusarium
foliar diseases; posdery mildew; septoria	foliar diseases; posdery mildew; septoria
foliar diseases; septoria	foliar diseases; septoria
foliar rust	foliar rust
foma; alternaria	foma; alternaria
frost damage	frost damage
frost damage alternaria	frost damage alternaria
fung	fung
funga ; leaf diseases	funga ; leaf diseases
funga disease	funga disease
funga disease prevention	funga disease prevention
funga disease; mitigation of frost damage	funga disease; mitigation of frost damage
funga diseases	funga diseases
funga diseases ; regulator	funga diseases ; regulator
funga diseases of the pod	funga diseases of the pod
funga diseases prevention ; regulator	funga diseases prevention ; regulator
funga diseases; foliar diseases; powdery mildew	funga diseases; foliar diseases; powdery mildew
funga diseases; powdery mildew; leaf rust;	funga diseases; powdery mildew; leaf rust;
funga diseases; to mitigate frost damge	funga diseases; to mitigate frost damge
funga diseases; weeds	funga diseases; weeds
funga leaf diseases	funga leaf diseases
funga stem diseases	funga stem diseases
fungi	fungi
fungus	fungus
fungus; alternaria; rhizoctonia; fusarium	fungus; alternaria; rhizoctonia; fusarium
fungus; growth regulator	fungus; growth regulator
fusarium	fusarium
fusarium ; other funga diseases	fusarium ; other funga diseases
fusarium head blight	fusarium head blight
fusarium head blight; rust; powdery mildew	fusarium head blight; rust; powdery mildew
fusarium powdery mildew	fusarium powdery mildew
fusarium; against leaf diseases	fusarium; against leaf diseases
fusarium; against of leaf diseases; ainst of rusty diseases	fusarium; against of leaf diseases; ainst of rusty diseases
fusarium; against of rusty disease	fusarium; against of rusty disease
fusarium; against of rusty disease ; erysiphales	fusarium; against of rusty disease ; erysiphales

fusarium; against of rusty disease; against the leaves diseases	fusarium; against of rusty disease; against the leaves diseases
fusarium; against spicate diseases	fusarium; against spicate diseases
fusarium; against the spicate diseases	fusarium; against the spicate diseases
fusarium; erysiphales	fusarium; erysiphales
fusarium; powdery mildew	fusarium; powdery mildew
fusarium; powdery mildew erysiphales	fusarium; powdery mildew erysiphales
fusarium; powdery mildew erysiphales; against of rusty disease; septoria septoria cytisi	fusarium; powdery mildew erysiphales; against of rusty disease; septoria septoria cytisi
fusarium; powdery mildew; rust	fusarium; powdery mildew; rust
fusarium; rust	fusarium; rust
fusarium; rust; powdery mildew	fusarium; rust; powdery mildew
fuzárium	fuzárium
galium aparine; veronica; amaranthus	galium aparine; veronica; amaranthus
galium mollugo; veronica	galium mollugo; veronica
gallium aparine	gallium aparine
gallium apparine	gallium apparine
gallium spp	gallium spp
game deterrent	game deterrent
goosefoot chenopodium spp	goosefoot chenopodium spp
goosefoot chenopodium spp common ragweed	goosefoot chenopodium spp common ragweed
goosefoot chenopodium spp common ragweed ambrosia artemisifolia	goosefoot chenopodium spp common ragweed ambrosia artemisifolia
goosefoot chenopodium spp; amaranth amaranthus spp; bristle grasses setaria spp;	goosefoot chenopodium spp; amaranth amaranthus spp; bristle grasses setaria spp;
goosefoot chenopodium spp; amaranth amaranthus spp; common cocklebur xanthium strumarium	goosefoot chenopodium spp; amaranth amaranthus spp; common cocklebur xanthium strumarium
goosefoot chenopodium spp; cannabis weed cannabis sativa subsp; spontanea	goosefoot chenopodium spp; cannabis weed cannabis sativa subsp; spontanea
goosefoot chenopodium spp; common ragweed ambrosia artemisifolia	goosefoot chenopodium spp; common ragweed ambrosia artemisifolia
goosefoot chenopodium spp; devil's snare datura stramonium; amaranth amaranthus spp	goosefoot chenopodium spp; devil's snare datura stramonium; amaranth amaranthus spp
goosefoot chenopodium spp; devil's snare datura stramonium; creeping thistle cirsium arvense	goosefoot chenopodium spp; devil's snare datura stramonium; creeping thistle cirsium arvense
goosefoot chenopodium spp; millet weed panicum miliaceum subsp; ruderales	goosefoot chenopodium spp; millet weed panicum miliaceum subsp; ruderales
goosefoot chenopodium spp; mono- ; dicot weeds	goosefoot chenopodium spp; mono- ; dicot weeds
goosefoot chenopodium spp;amaranth amaranthus spp;bristle grasses setaria spp;;velvetleaf abu	goosefoot chenopodium spp;amaranth amaranthus spp;bristle grasses setaria spp;;velvetleaf abu
goosefoot chenopodium spp;amaranth amaranthus spp;cannabis weed;field bindweed convulvulus arve	goosefoot chenopodium spp;amaranth amaranthus spp;cannabis weed;field bindweed convulvulus arve
goosefoot chenopodium spp;amaranth amaranthus spp;cannabis weed;field bindweed convulvulus arven	goosefoot chenopodium spp;amaranth amaranthus spp;cannabis weed;field bindweed convulvulus arven



goosefoot chenopodium spp;bristle grasses setaria spp;;velvetleaf abutilon theophrasti; loose	goosefoot chenopodium spp;bristle grasses setaria spp;;velvetleaf abutilon theophrasti; loose
goosefoot chenopodium spp;millet weed panicum miliaceum subsp; ruderales	goosefoot chenopodium spp;millet weed panicum miliaceum subsp; ruderales
grass ; broadleaf weeds	grass ; broadleaf weeds
grass ; broadleaf weeds setaria spp echinocloa crus gali	grass ; broadleaf weeds setaria spp echinocloa crus gali
grass weed ; broadleaf weeds	grass weed ; broadleaf weeds
grass weed ; broadleaf weeds chenopodium datura stramonium echinocloa crus gali	grass weed ; broadleaf weeds chenopodium datura stramonium echinocloa crus gali
grass weeds	grass weeds
grass weeds ; broadleaf weeds	grass weeds ; broadleaf weeds
grass weeds broadleaf weeds	grass weeds broadleaf weeds
grass weeds sorghum halepense	grass weeds sorghum halepense
grasses	grasses
grasses ; broad-leaved weed	grasses ; broad-leaved weed
grassweeds	grassweeds
grey mould	grey mould
grey mould; disease of the head; rot	grey mould; disease of the head; rot
ground beetle zabrus tenebrioides	ground beetle zabrus tenebrioides
ground flea	ground flea
growth regulator	growth regulator
growth regulator ; fungal diseases	growth regulator ; fungal diseases
growth regulator ; phoma	growth regulator ; phoma
growth regulator; phoma herbarum	growth regulator; phoma herbarum
growth regulator; phoma phoma herbarum	growth regulator; phoma phoma herbarum
growth regulator; septoria septoria cytisi	growth regulator; septoria septoria cytisi
grub	grub
grubs; click beetle larvae ; wireworms	grubs; click beetle larvae ; wireworms
grubs; click beetle larvae ; wireworms;	grubs; click beetle larvae ; wireworms;
grubs; wireworms	grubs; wireworms
grubs;click beetle larvae ; wireworms	grubs;click beetle larvae ; wireworms
gyomok	gyomok
harvest aid	harvest aid
head	head
head ; leaf diseases	head ; leaf diseases
head diseases	head diseases
head fusarium	head fusarium
head rot	head rot
head rot ; foliar diseases	head rot ; foliar diseases
head rot; diaporthes	head rot; diaporthes

head rot; stem rot; prevention	head rot; stem rot; prevention
hedge bedstraw galium mollugo	hedge bedstraw galium mollugo
hedge bedstraw galium mollugo; creeping thistle cirsium arvense	hedge bedstraw galium mollugo; creeping thistle cirsium arvense
hedge bedstraw galium mollugo; goosefoot chenopodium album; chamomilla matricaria chamomilla;	hedge bedstraw galium mollugo; goosefoot chenopodium album; chamomilla matricaria chamomilla;
hedge bedstraw galium mollugo; goosefoot chenopodium spp; amaranthus	hedge bedstraw galium mollugo; goosefoot chenopodium spp; amaranthus
hedge bedstraw galium mollugo; loose silky-bent apera spica-venti	hedge bedstraw galium mollugo; loose silky-bent apera spica-venti
hedge bedstraw galium mollugo; veronica	hedge bedstraw galium mollugo; veronica
hedge bedstraw galium mollugo; veronica spp	hedge bedstraw galium mollugo; veronica spp
hedge bedstraw galium mollugo; veronica spp;	hedge bedstraw galium mollugo; veronica spp;
helminthosporium	helminthosporium
helminthosproium	helminthosproium
helminthosproium; yellow rust	helminthosproium; yellow rust
helminto sporium leaf spots	helminto sporium leaf spots
helmintosporium prevention	helmintosporium prevention
helmintosporium; yellow rust	helmintosporium; yellow rust
helmintosprorium maydis	helmintosprorium maydis
hormone effects against grassweeds	hormone effects against grassweeds
horse-thistle	horse-thistle
insect	insect
insect pests	insect pests
insect; aphid	insect; aphid
insects	insects
jimsonweed; ragweed	jimsonweed; ragweed
jimsonweed; xanthium	jimsonweed; xanthium
johnsongrass sorghum halepense	johnsongrass sorghum halepense
johnsongrass sorghum halepense; amaranth amaranthus spp	johnsongrass sorghum halepense; amaranth amaranthus spp
johnsongrass sorghum halepense; bristle grasses setaria spp;	johnsongrass sorghum halepense; bristle grasses setaria spp;
johnsongrass sorghum halepense; bristle grasses setaria spp;; amaranth amaranthus spp	johnsongrass sorghum halepense; bristle grasses setaria spp;; amaranth amaranthus spp
johnsongrass sorghum halepense; bristle grasses setaria spp;; couch grass agropyron repens	johnsongrass sorghum halepense; bristle grasses setaria spp;; couch grass agropyron repens
johnsongrass sorghum halepense; bristle grasses setaria spp;;millet weed panicum miliaceum subs	johnsongrass sorghum halepense; bristle grasses setaria spp;;millet weed panicum miliaceum subs
johnsongrass sorghum halepense; cannabis weed cannabis sativa subsp; spontanea	johnsongrass sorghum halepense; cannabis weed cannabis sativa subsp; spontanea
johnsongrass sorghum halepense; cockspur echinocloa crus-gali	johnsongrass sorghum halepense; cockspur echinocloa crus-gali

johnsongrass sorghum halepense; cockspur echinocloa crus-gali; amaranth amaranthus spp; goosefoot chenopodium spp	johnsongrass sorghum halepense; cockspur echinocloa crus-gali; amaranth amaranthus spp; goosefoot chenopodium spp
johnsongrass sorghum halepense; common ragweed ambrosia artemisifolia	johnsongrass sorghum halepense; common ragweed ambrosia artemisifolia
johnsongrass sorghum halepense; couch grass agropyron repens	johnsongrass sorghum halepense; couch grass agropyron repens
johnsongrass sorghum halepense; creeping thistle cirsium arvense	johnsongrass sorghum halepense; creeping thistle cirsium arvense
johnsongrass sorghum halepense; devil's snare datura stramonium	johnsongrass sorghum halepense; devil's snare datura stramonium
johnsongrass sorghum halepense; goosefoot chenopodium spp	johnsongrass sorghum halepense; goosefoot chenopodium spp
johnsongrass sorghum halepense; milkweed asclepias syriaca	johnsongrass sorghum halepense; milkweed asclepias syriaca
johnsongrass sorghum halepense; millet panicum miliaceum	johnsongrass sorghum halepense; millet panicum miliaceum
johnsongrass sorghum halepense; millet weed panicum miliaceum subsp; ruderales	johnsongrass sorghum halepense; millet weed panicum miliaceum subsp; ruderales
johnsongrass sorghum halepense; mono- ; dicot weeds	johnsongrass sorghum halepense; mono- ; dicot weeds
johnsongrass sorghum halepense; tarack -couch grass agropyron repens other monocotyledon weeds;	johnsongrass sorghum halepense; tarack -couch grass agropyron repens other monocotyledon weeds;
johnsongrass sorghum halepense; bristle grasses setaria spp;; millet weed panicum miliaceum subs	johnsongrass sorghum halepense; bristle grasses setaria spp;; millet weed panicum miliaceum subs
johnsongrass sorghum halepense; creeping thistle cirsium arvense	johnsongrass sorghum halepense; creeping thistle cirsium arvense
johnsons grass sorghum halepense; bristle grasses setaria spp;; amaranth amaranthus spp	johnsons grass sorghum halepense; bristle grasses setaria spp;; amaranth amaranthus spp
johsongrass sorghum halepense	johsongrass sorghum halepense
lamium spp; nagy apera spica-venti; stellaria media	lamium spp; nagy apera spica-venti; stellaria media
lamium spp; poppy	lamium spp; poppy
lamium spp; veronica spp; poppy	lamium spp; veronica spp; poppy
lamium spp; stellaria media; apera spica venti	lamium spp; stellaria media; apera spica venti
larvae of athalia rosae	larvae of athalia rosae
larvae of cereal leaf beetles oulema spp	larvae of cereal leaf beetles oulema spp
larvae of turnip sawfly	larvae of turnip sawfly
larvae of turnip sawfly athalia rosae	larvae of turnip sawfly athalia rosae
larvae of turnip sawfly; stem weevil	larvae of turnip sawfly; stem weevil
larvae of western corn rootworm diabrotica virgifera	larvae of western corn rootworm diabrotica virgifera
larvae of western corn rootworm diabrotica virgifera; click beetle larvae ; wireworms	larvae of western corn rootworm diabrotica virgifera; click beetle larvae ; wireworms
leaf beetle	leaf beetle
leaf beetle larva	leaf beetle larva
leaf blight helmintosporium maydis	leaf blight helmintosporium maydis
leaf blight helmintosporium maydis; against of rusty disease arruginirsi	leaf blight helmintosporium maydis; against of rusty disease arruginirsi

leaf blight helmintosporium maydis; powdery mildew erysiphales; against of rusty disease	leaf blight helmintosporium maydis; powdery mildew erysiphales; against of rusty disease
leaf blight; yellow rust; red rust	leaf blight; yellow rust; red rust
leaf diseases	leaf diseases
leaf diseases; cereal leaf beetles oulema spp	leaf diseases; cereal leaf beetles oulema spp
leaf diseases; cereal leaf beetles oulema spp; eurygaster spp	leaf diseases; cereal leaf beetles oulema spp; eurygaster spp
leaf diseases; helmintosporium	leaf diseases; helmintosporium
leaf diseases; rust; powdery mildew	leaf diseases; rust; powdery mildew
levéltet?	levéltet?
ligus	ligus
loose silky bent apera spica-venti; common ragweed ambrosia artemisifolia; field bindweed convu	loose silky bent apera spica-venti; common ragweed ambrosia artemisifolia; field bindweed convu
loose silky bent apera spica-venti; poppy; flixweed descurainia sophia	loose silky bent apera spica-venti; poppy; flixweed descurainia sophia
loose silky-bent apera spica-venti	loose silky-bent apera spica-venti
loose silky-bent apera spica-venti; flixweed descurnia sophia; poppy papaver rhoeas	loose silky-bent apera spica-venti; flixweed descurnia sophia; poppy papaver rhoeas
loose silky-bent apera spica-venti; galium aparine	loose silky-bent apera spica-venti; galium aparine
loose silky-bent apera spica-venti; hedge bedstraw galium mollugo; poppy papver rhoeas; flixweed descurnia sophia	loose silky-bent apera spica-venti; hedge bedstraw galium mollugo; poppy papver rhoeas; flixweed descurnia sophia
loose silky-bent apera spica-venti; veronica	loose silky-bent apera spica-venti; veronica
maize leaf weevil tanymericus dilaticollis	maize leaf weevil tanymericus dilaticollis
maize leaf weevil tanymericus dilaticollis; black ground beetle zabrus tenebrioides; wireworms ag	maize leaf weevil tanymericus dilaticollis; black ground beetle zabrus tenebrioides; wireworms ag
maize leaf weevil tanymericus dilaticollis; ground beetles carabidae; click beetle larvae ; wirewo	maize leaf weevil tanymericus dilaticollis; ground beetles carabidae; click beetle larvae ; wirewo
maize leaf weevil tanymericus dilaticollis;ground beetles carabidae ;click beetle larvae ; wirewor	maize leaf weevil tanymericus dilaticollis;ground beetles carabidae ;click beetle larvae ; wirewor
matricaria chamomilla; papaver rhoas; veronica	matricaria chamomilla; papaver rhoas; veronica
matricaria chamomilla; stellaria media; matthiola incana	matricaria chamomilla; stellaria media; matthiola incana
matricaria spp; gallium spp; apera spica-venti; cirsium arvense	matricaria spp; gallium spp; apera spica-venti; cirsium arvense
matricarica chamomilla; capsela bursa;pastoris; papaver rhoas	matricarica chamomilla; capsela bursa;pastoris; papaver rhoas
meligethes aeneus	meligethes aeneus
meligethes aeneus; ceutorhynchus assimilis	meligethes aeneus; ceutorhynchus assimilis
meligethes aeneus; ceutorhynchus assimilis; ceutorrhynchus quadridens	meligethes aeneus; ceutorhynchus assimilis; ceutorrhynchus quadridens
meligethes aeneus; ceutorhynchus pallidactylus; aphids	meligethes aeneus; ceutorhynchus pallidactylus; aphids
meligethes aeneus; ceutorhynchus spp	meligethes aeneus; ceutorhynchus spp
meligethes aeneus; ceutorrhynchus quadridens	meligethes aeneus; ceutorrhynchus quadridens
meligethes aeneus; ceutorrhynchus quadridens; ceutorhynchus assimilis	meligethes aeneus; ceutorrhynchus quadridens; ceutorhynchus assimilis
meligethes aeneus; dasineura brassicae	meligethes aeneus; dasineura brassicae

mildew	mildew
mildew; alternaria	mildew; alternaria
mildew; yellow rust	mildew; yellow rust
milkweed asclepias syriaca; common ragweed ambrosia artemisifolia; cockspur echinocloa crus-gal	milkweed asclepias syriaca; common ragweed ambrosia artemisifolia; cockspur echinocloa crus-gal
millet	millet
millet panicum miliaceum; cockspur echinocloa crus-gali	millet panicum miliaceum; cockspur echinocloa crus-gali
millet weed panicum miliaceum subsp; ruderales	millet weed panicum miliaceum subsp; ruderales
millet weed panicum miliaceum subsp; ruderales common ragweed ambrosia artemisifolia	millet weed panicum miliaceum subsp; ruderales common ragweed ambrosia artemisifolia
millet weed panicum miliaceum subsp; ruderales; common ragweed ambrosia artemisifolia	millet weed panicum miliaceum subsp; ruderales; common ragweed ambrosia artemisifolia
millet weed panicum miliaceum subsp; ruderales; common ragweed ambrosia artemisifolia; devil's sna	millet weed panicum miliaceum subsp; ruderales; common ragweed ambrosia artemisifolia; devil's sna
millet weed panicum miliaceum subsp; ruderales; common ragweed ambrosia artemisifolia; johnsongrass sorghum halepense; loose silky-bent apera spica-venti	millet weed panicum miliaceum subsp; ruderales; common ragweed ambrosia artemisifolia; johnsongrass sorghum halepense; loose silky-bent apera spica-venti
millet weed panicum miliaceum subsp; ruderales; creeping thistle cirsium arvense	millet weed panicum miliaceum subsp; ruderales; creeping thistle cirsium arvense
millet weed panicum miliaceum subsp; ruderales; johnsongrass sorghum halepense	millet weed panicum miliaceum subsp; ruderales; johnsongrass sorghum halepense
millet weed panicum miliaceum subsp; ruderales;johnsongrass sorghum halepense	millet weed panicum miliaceum subsp; ruderales;johnsongrass sorghum halepense
millet; echinocloa	millet; echinocloa
millet; echinocloa; chenopodium	millet; echinocloa; chenopodium
millet; sorghum halepense	millet; sorghum halepense
miridae spp	miridae spp
mitigation of frost damage	mitigation of frost damage
mitigation of frost damage; growth regulator; phoma herbarum	mitigation of frost damage; growth regulator; phoma herbarum
mitigation of frost damage; sidebranching stimulation; against of leaf diseases	mitigation of frost damage; sidebranching stimulation; against of leaf diseases
mono ; dicot weeds	mono ; dicot weeds
mono ; dicots	mono ; dicots
mono- ; cotyledonous weeds	mono- ; cotyledonous weeds
mono- ; dicot weeds	mono- ; dicot weeds
mono- ; dicot weeds goosefoot chenopodium spp; sunflower volunteer millet weed panicum miliaceum subsp; ruderales	mono- ; dicot weeds goosefoot chenopodium spp; sunflower volunteer millet weed panicum miliaceum subsp; ruderales
mono- ; dicot weeds; bristle grasses setaria spp;; devil's snare datura stramonium; amaranth amaranthus spp	mono- ; dicot weeds; bristle grasses setaria spp;; devil's snare datura stramonium; amaranth amaranthus spp
mono- ; dicot weeds; chenopodium; ambrosia; cannabis; datura stramonium; panicum; sorghum; echinocloa crus gali	mono- ; dicot weeds; chenopodium; ambrosia; cannabis; datura stramonium; panicum; sorghum; echinocloa crus gali
mono- ; dicot weeds; chenopodium; datura; sorghum; panicum	mono- ; dicot weeds; chenopodium; datura; sorghum; panicum
mono- ; dicot weeds; common ragweed ambrosia artemisifolia; common cocklebur xanthium strumarium	mono- ; dicot weeds; common ragweed ambrosia artemisifolia; common cocklebur xanthium strumarium

mono- ; dicot weeds; johnsongrass sorghum halepense	mono- ; dicot weeds; johnsongrass sorghum halepense
mono- ; dicotweeds	mono- ; dicotweeds
mono- ; dicotyledonous weeds	mono- ; dicotyledonous weeds
monocot weeds	monocot weeds
monocot weeds; cereal volunteer crop	monocot weeds; cereal volunteer crop
monocot weeds; johnsongrass sorghum halepense; cockspur echinocloa crus-gali; bristle grasses setaria spp;	monocot weeds; johnsongrass sorghum halepense; cockspur echinocloa crus-gali; bristle grasses setaria spp;
monocot weeds; johnsongrass sorghum halepense; millet panicum miliaceum	monocot weeds; johnsongrass sorghum halepense; millet panicum miliaceum
monocot weeds; sorghum halepense	monocot weeds; sorghum halepense
monocot weeds; volunteer wheat	monocot weeds; volunteer wheat
monocot- ; dicot weeds	monocot- ; dicot weeds
monocot- ; dicot weeds; flixweed descurainia sophia; goosefoot chenopodium spp; poppy papaver rhoeas	monocot- ; dicot weeds; flixweed descurainia sophia; goosefoot chenopodium spp; poppy papaver rhoeas
monocotiledon ; dicotyledon weeds	monocotiledon ; dicotyledon weeds
monocotiledon ; dicotyledon weeds; creeping thistle cirsium arvense	monocotiledon ; dicotyledon weeds; creeping thistle cirsium arvense
monocots	monocots
monocots ; dicots	monocots ; dicots
monocots; sorghum halepense	monocots; sorghum halepense
monocots; sorghum halepense; setaria spp	monocots; sorghum halepense; setaria spp
monocotyledon weeds	monocotyledon weeds
monocotyledon wees	monocotyledon wees
monocotyledonous ; dicotyledonous weeds	monocotyledonous ; dicotyledonous weeds
monocotyledonous weed	monocotyledonous weed
monocotyledonous weed ; dicotyledonous weed	monocotyledonous weed ; dicotyledonous weed
monocotyledonous weeds	monocotyledonous weeds
monocotyledonous weeds ; dicotyledonous weeds	monocotyledonous weeds ; dicotyledonous weeds
monocotyledonous weeds; apera spica-venti	monocotyledonous weeds; apera spica-venti
monocotyledonous weeds; for example sorghum halepense	monocotyledonous weeds; for example sorghum halepense
monocotyledons	monocotyledons
monocotyledonous ; dicotyledonous weeds	monocotyledonous ; dicotyledonous weeds
mould	mould
mustard volunteer sinapsis alba	mustard volunteer sinapsis alba
nematode	nematode
no reply	no reply
not relevant	not relevant
not relevant; it's a growth regulator	not relevant; it's a growth regulator
nutsedge cyperus esculentus	nutsedge cyperus esculentus
oilseed rape volunteer crop	oilseed rape volunteer crop
osr flea	osr flea

osr volunteer crop; ambrosia artemisiifolia	osr volunteer crop; ambrosia artemisiifolia
osr volunteer crop;ambrosia	osr volunteer crop;ambrosia
ostria nubilalis	ostria nubilalis
otria nubilalis	otria nubilalis
oulema	oulema
oulema melanopus	oulema melanopus
oulema melanopus - bug ; larva	oulema melanopus - bug ; larva
oulema melanopus; aphids	oulema melanopus; aphids
oulema melanopus; bug; wheat grain beetle anisoplia spp	oulema melanopus; bug; wheat grain beetle anisoplia spp
oulema melanopus; cereal bugs eurygaster spp;; aelia spp;; aphids aphidoidea	oulema melanopus; cereal bugs eurygaster spp;; aelia spp;; aphids aphidoidea
oulema spp	oulema spp
oulema spp aphids	oulema spp aphids
oulema spp;	oulema spp;
oulema spp; eurygaster spp	oulema spp; eurygaster spp
oulema spp; eurygaster spp;; aelia spp	oulema spp; eurygaster spp;; aelia spp
oulema; aphids	oulema; aphids
panicum miliaceum	panicum miliaceum
panicum miliaceum subsp; ruderales; echinocloa crus-gali	panicum miliaceum subsp; ruderales; echinocloa crus-gali
panicum miliaceum; sorghum halepense	panicum miliaceum; sorghum halepense
panicum miliaceum; sorghum halepense; setaria spp	panicum miliaceum; sorghum halepense; setaria spp
panicum sp	panicum sp
panicum sp ambrosia artemisiifolia datura stramonium	panicum sp ambrosia artemisiifolia datura stramonium
panicum spp; setaria spp; chenopodium; ambrosia artemisiifolia	panicum spp; setaria spp; chenopodium; ambrosia artemisiifolia
panicum; echinocloa crus gali; sorghum	panicum; echinocloa crus gali; sorghum
panicum; setaria; chenopodium; ambrosia	panicum; setaria; chenopodium; ambrosia
panicum; sorghum	panicum; sorghum
panicum; sorghum halepense	panicum; sorghum halepense
perennial mono- ; dicot weeds	perennial mono- ; dicot weeds
perennial	perennial
perennial annual broadleaf weeds	perennial annual broadleaf weeds
perennial dicot weeds	perennial dicot weeds
perennial dicot weeds; ambrosia; datura; amaranthus	perennial dicot weeds; ambrosia; datura; amaranthus
perennial dicot weeds; cirsium arvense	perennial dicot weeds; cirsium arvense
perennial dicot weeds; devil's snare datura stramonium	perennial dicot weeds; devil's snare datura stramonium
perennial dicot weeds; volunteer osr	perennial dicot weeds; volunteer osr
perennial dicot weeds; volunteer sunflower	perennial dicot weeds; volunteer sunflower
perennial dicots	perennial dicots
perennial grass weeds ; broadleaf weeds	perennial grass weeds ; broadleaf weeds

perennial mono- ; dicot weeds	perennial mono- ; dicot weeds
perennial mono- ; dicot weeds; annual monocot weeds	perennial mono- ; dicot weeds; annual monocot weeds
perennial monocot weeds	perennial monocot weeds
perennial monocot weeds ; some dicot weeds	perennial monocot weeds ; some dicot weeds
perennial weeds ; broadleaf weeds	perennial weeds ; broadleaf weeds
peronospora	peronospora
peronospora spp; powdery mildew	peronospora spp; powdery mildew
peronospora; head rot	peronospora; head rot
pest	pest
pest living in the soil	pest living in the soil
pests	pests
pests living in the soil	pests living in the soil
pests living in the soil; corn rootworm	pests living in the soil; corn rootworm
phoma	phoma
phoma ; regulator	phoma ; regulator
phoma herbarum	phoma herbarum
phoma herbarum; alternaria seminis	phoma herbarum; alternaria seminis
phoma herbarum; growth regulator	phoma herbarum; growth regulator
phoma herbarum; sclerotinia sclerotiorum; septoria cytisi	phoma herbarum; sclerotinia sclerotiorum; septoria cytisi
phoma phoma herbarum	phoma phoma herbarum
phoma phoma herbarum; white mould sclerotinia sclerotiorum	phoma phoma herbarum; white mould sclerotinia sclerotiorum
phoma regulator	phoma regulator
phoma sclerotinia	phoma sclerotinia
phoma; alternaria	phoma; alternaria
phoma; altrenaria;sclerotinia; botrytis	phoma; altrenaria;sclerotinia; botrytis
phoma; botrytis; sclerotinia	phoma; botrytis; sclerotinia
phoma; fungal diseases	phoma; fungal diseases
phoma; grey mould	phoma; grey mould
phoma; growth regulator	phoma; growth regulator
phoma; plant growth regulator	phoma; plant growth regulator
phoma; regulator	phoma; regulator
phoma; sclerotinia	phoma; sclerotinia
phoma; sclerotinia sclerotiorum	phoma; sclerotinia sclerotiorum
phoma; sclerotinia; alternaria	phoma; sclerotinia; alternaria
phoma;; sclerotinia sclerotiorum	phoma;; sclerotinia sclerotiorum
phoma;alternaria spp; sclerotinia sclerotiorum	phoma;alternaria spp; sclerotinia sclerotiorum
phoma;sclerotinia sclerotiorum	phoma;sclerotinia sclerotiorum
phyllostreta nemorum	phyllostreta nemorum



phyllostreta undullata	phyllostreta undullata
phyllostreta undullata; ceutorhynchus spp	phyllostreta undullata; ceutorhynchus spp
plant growth regulator	plant growth regulator
plasmopara	plasmopara
poaceae	poaceae
pod fungal disease	pod fungal disease
pod shatter preventer - adjuvant	pod shatter preventer - adjuvant
pod shatter prevention	pod shatter prevention
pod sticker	pod sticker
pollen beetle	pollen beetle
pollen beetle meligether aeneus; seed weevil ceuthorhynchus assimili	pollen beetle meligether aeneus; seed weevil ceuthorhynchus assimili
pollen beetle meligethes aeneus	pollen beetle meligethes aeneus
pollen beetle meligethes aeneus ; seed weevil ceutorhynchus assimilis	pollen beetle meligethes aeneus ; seed weevil ceutorhynchus assimilis
pollen beetle meligethes aeneus;	pollen beetle meligethes aeneus;
pollen beetle meligethes aeneus; brassica pod midge drasineura brassicae	pollen beetle meligethes aeneus; brassica pod midge drasineura brassicae
pollen beetle meligethes aeneus; cabbage stem weevil ceutorrhynchus quadridens	pollen beetle meligethes aeneus; cabbage stem weevil ceutorrhynchus quadridens
pollen beetle meligethes aeneus; ceutorrhynchus spp	pollen beetle meligethes aeneus; ceutorrhynchus spp
pollen beetle meligethes aeneus; epicometis hirta;cabbage stem weevil ceutorrhynchus quadridens	pollen beetle meligethes aeneus; epicometis hirta;cabbage stem weevil ceutorrhynchus quadridens
pollen beetle meligethes aeneus; seed weevil ceuthorhynchus assimilis	pollen beetle meligethes aeneus; seed weevil ceuthorhynchus assimilis
pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimili	pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimili
pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimilis	pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimilis
pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimilis; brassica pod midge dasine	pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimilis; brassica pod midge dasine
pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimilis; epicometis hirta; stem fl	pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimilis; epicometis hirta; stem fl
pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimilis; epicometis hirta; stem fle	pollen beetle meligethes aeneus; seed weevil ceutorhynchus assimilis; epicometis hirta; stem fle
pollen beetle meligethes aeneus; stem flea beetle psylliodes chrysocephala	pollen beetle meligethes aeneus; stem flea beetle psylliodes chrysocephala
pollen beetle meligethes aeneus; stem weevil ceutorrhynchus napi	pollen beetle meligethes aeneus; stem weevil ceutorrhynchus napi
pollen beetle meligethes aeneus; stem weevil ceutorrhynchus napi; flea beetle phyllotreta undul	pollen beetle meligethes aeneus; stem weevil ceutorrhynchus napi; flea beetle phyllotreta undul
pollen beetle meligethes aeneus; turnip sawfly athalia rosae	pollen beetle meligethes aeneus; turnip sawfly athalia rosae
pollen beetle meligethes aeneus; weevils	pollen beetle meligethes aeneus; weevils
pollen beetle meligethes aeneus;ceutorrhynchus spp	pollen beetle meligethes aeneus;ceutorrhynchus spp
pollen beetle; cabbage seed weevil	pollen beetle; cabbage seed weevil

pollen beetle; seed weevil	pollen beetle; seed weevil
pollen beetle; stem weevil	pollen beetle; stem weevil
pollen beetle; stem weevil ; cabbage seed weevil	pollen beetle; stem weevil ; cabbage seed weevil
pollen beetle; stem weevil; cabbage seed weevil	pollen beetle; stem weevil; cabbage seed weevil
pollen beetle; weevils	pollen beetle; weevils
poppy	poppy
poppy papaver rhoas; sheperd's purse capsella bursa-pastoris flixweed descurainia sophia	poppy papaver rhoas; sheperd's purse capsella bursa-pastoris flixweed descurainia sophia
poppy papaver rhoeas	poppy papaver rhoeas
poppy papaver rhoeas; bent apera spica-venti	poppy papaver rhoeas; bent apera spica-venti
poppy papaver rhoeas; consolida; shepherd's-purse capsela bursa pastoris	poppy papaver rhoeas; consolida; shepherd's-purse capsela bursa pastoris
poppy papaver rhoeas; creeping thistle cirsium arvense	poppy papaver rhoeas; creeping thistle cirsium arvense
poppy papaver rhoeas; flixweed descurainia sophia	poppy papaver rhoeas; flixweed descurainia sophia
poppy papaver rhoeas; loose silky-bent apera spica-venti	poppy papaver rhoeas; loose silky-bent apera spica-venti
poppy papaver rhoeas; other dicot weeds	poppy papaver rhoeas; other dicot weeds
poppy papaver rhoeas; scentless mayweed tripleuromspermum inodorum;veronica spp;	poppy papaver rhoeas; scentless mayweed tripleuromspermum inodorum;veronica spp;
poppy papaver rhoeas; shepherd's-purse capsela bursa pastoris	poppy papaver rhoeas; shepherd's-purse capsela bursa pastoris
poppy papaver rhoeas; wheat volunteer crop	poppy papaver rhoeas; wheat volunteer crop
poppy; capsella bursa pastoris; acat	poppy; capsella bursa pastoris; acat
poppy; centaurea cyanus; echinocloa; veronica spp; gallium spp	poppy; centaurea cyanus; echinocloa; veronica spp; gallium spp
poppy; chamomilla	poppy; chamomilla
poppy; cirsium arvense	poppy; cirsium arvense
poppy; cirsium arvense;capsella bursa pastoris	poppy; cirsium arvense;capsella bursa pastoris
poppy; creeping thistle cirsium arvense	poppy; creeping thistle cirsium arvense
poppy; matricaria	poppy; matricaria
powder mildew	powder mildew
powder mildew; helminthosporium	powder mildew; helminthosporium
powdery ; downy mildew	powdery ; downy mildew
powdery mildew	powdery mildew
powdery mildew ; fusarium	powdery mildew ; fusarium
powdery mildew ; prevention of leaf diseases	powdery mildew ; prevention of leaf diseases
powdery mildew ; rust	powdery mildew ; rust
powdery mildew erysiphales	powdery mildew erysiphales
powdery mildew erysiphales;	powdery mildew erysiphales;
powdery mildew erysiphales; against of rusty disease	powdery mildew erysiphales; against of rusty disease
powdery mildew erysiphales; against of rusty disease ; fusarium	powdery mildew erysiphales; against of rusty disease ; fusarium

powdery mildew erysipales; against of rusty disease arruginirsi	powdery mildew erysipales; against of rusty disease arruginirsi
powdery mildew erysipales; against of rusty disease; leaf blight helmintosporium maydis	powdery mildew erysipales; against of rusty disease; leaf blight helmintosporium maydis
powdery mildew erysipales; against of rusty disease; leaf blight helmintosporium maydis; fusarium	powdery mildew erysipales; against of rusty disease; leaf blight helmintosporium maydis; fusarium
powdery mildew erysipales; against of rusty diseases	powdery mildew erysipales; against of rusty diseases
powdery mildew erysipales; fusarium	powdery mildew erysipales; fusarium
powdery mildew erysipales; fusarium; against of rusty disease	powdery mildew erysipales; fusarium; against of rusty disease
powdery mildew erysipales; leaf blight helmintosporium maydis	powdery mildew erysipales; leaf blight helmintosporium maydis
powdery mildew erysipales; septoria septoria cytisi	powdery mildew erysipales; septoria septoria cytisi
powdery mildew erysipales; septoria septoria cytisi; against of rusty diseases	powdery mildew erysipales; septoria septoria cytisi; against of rusty diseases
powdery mildew prevention	powdery mildew prevention
powdery mildew rust	powdery mildew rust
powdery mildew;	powdery mildew;
powdery mildew; botrytis	powdery mildew; botrytis
powdery mildew; eaf diseases	powdery mildew; eaf diseases
powdery mildew; foliar diseases	powdery mildew; foliar diseases
powdery mildew; fusarium	powdery mildew; fusarium
powdery mildew; helmintosporium	powdery mildew; helmintosporium
powdery mildew; helmitosporium	powdery mildew; helmitosporium
powdery mildew; leaf diseases	powdery mildew; leaf diseases
powdery mildew; mildew	powdery mildew; mildew
powdery mildew; prevention	powdery mildew; prevention
powdery mildew; pyrenophora	powdery mildew; pyrenophora
powdery mildew; pyrenophora tritici repentis	powdery mildew; pyrenophora tritici repentis
powdery mildew; rust	powdery mildew; rust
powdery mildew; rust disease; septoria	powdery mildew; rust disease; septoria
powdery mildew; rust; foliar diseases	powdery mildew; rust; foliar diseases
powdery mildew; rust; fusarium	powdery mildew; rust; fusarium
powdery mildew; rust; septoria	powdery mildew; rust; septoria
powdery mildew; sclerotinia	powdery mildew; sclerotinia
powdery mildew; septoria; helmintosporium	powdery mildew; septoria; helmintosporium
powdery mildew; yellow mold	powdery mildew; yellow mold
powedery mildew; ear diseases; mildew	powedery mildew; ear diseases; mildew
pre emergent weed control	pre emergent weed control
pre-emergent weed control	pre-emergent weed control
pre-emergent weed control no specific weed	pre-emergent weed control no specific weed

pre-emergent weed control; mainly annual weeds	pre-emergent weed control; mainly annual weeds
prevention	prevention
prevention against foliar diseases	prevention against foliar diseases
prevention against fusarium	prevention against fusarium
prevention against fusarium ; rust	prevention against fusarium ; rust
prevention echinocloa crus gali chenopodium	prevention echinocloa crus gali chenopodium
prevention of diseases	prevention of diseases
prevention of phoma	prevention of phoma
prevention of powdery mildew	prevention of powdery mildew
prevention of rust diseases	prevention of rust diseases
prevention; funghi; rust	prevention; funghi; rust
prevention; powdery mildew	prevention; powdery mildew
prevention; regulator	prevention; regulator
preventiv	preventiv
preventiv against flower-head diseases; white mould sclerotinia sclerotiorum	preventiv against flower-head diseases; white mould sclerotinia sclerotiorum
preventive	preventive
preventive application against fungal diseases	preventive application against fungal diseases
preventive spraying	preventive spraying
preventive there was no disease	preventive there was no disease
preventive; no disease appeared	preventive; no disease appeared
product for stem strengthening	product for stem strengthening
prolonged emergence of monocot weeds	prolonged emergence of monocot weeds
psylliodes chrysocephala	psylliodes chrysocephala
psylliodes chrysocephala; ceutorhynchus assimilis	psylliodes chrysocephala; ceutorhynchus assimilis
psylloides chrysocephala	psylloides chrysocephala
psylloides chrysocephala;	psylloides chrysocephala;
psylloides chrysocephala; athalia rosae	psylloides chrysocephala; athalia rosae
pyrenophora tritici repentis	pyrenophora tritici repentis
ragweed	ragweed
ragweed; chenopodium	ragweed; chenopodium
ragweed; chenopodium; cannabis sativa	ragweed; chenopodium; cannabis sativa
ragweed; hedge bedstraw galium mollugo; creeping thistle cirsium arvense	ragweed; hedge bedstraw galium mollugo; creeping thistle cirsium arvense
ragweed; jimson weed; millet	ragweed; jimson weed; millet
ragweed; jimsonweed	ragweed; jimsonweed
red deadnettle	red deadnettle
red poppy; cirsium; veronica sp;	red poppy; cirsium; veronica sp;
red poppy; veronica	red poppy; veronica
red rust	red rust

reducing the losses caused by frost	reducing the losses caused by frost
reduction of pod shattering	reduction of pod shattering
regulator	regulator
regulator ; alternaria; sclerotinia; macrophomina	regulator ; alternaria; sclerotinia; macrophomina
regulator; phoma leaf spot	regulator; phoma leaf spot
regulator; stem strengthener	regulator; stem strengthener
ripening agent	ripening agent
ripening agent ; pod shatter prevention	ripening agent ; pod shatter prevention
rotting	rotting
rust	rust
rust disease; powdery mildew	rust disease; powdery mildew
rust diseases	rust diseases
rust diseases; ear fusarium	rust diseases; ear fusarium
rust types	rust types
rust; fungus; powdery mildew	rust; fungus; powdery mildew
rust; fusarium	rust; fusarium
rust; helminthosporium	rust; helminthosporium
rust; mildew	rust; mildew
rust; powdery mildew	rust; powdery mildew
rust; powdery mildew; helminthosporium r	rust; powdery mildew; helminthosporium r
rust; powdery mildew; septoria	rust; powdery mildew; septoria
rust; prevention	rust; prevention
rust; septoria	rust; septoria
sclerotinia	sclerotinia
sclerotinia; alternaria	sclerotinia; alternaria
sclerotinia	sclerotinia
sclerotinia alternaria; cure of frost damage	sclerotinia alternaria; cure of frost damage
sclerotinia sclerotiorum	sclerotinia sclerotiorum
sclerotinia sclerotiorum; alternaria seminis	sclerotinia sclerotiorum; alternaria seminis
sclerotinia sclerotiorum; phoma	sclerotinia sclerotiorum; phoma
sclerotinia sclerotiorum; phoma herbarum	sclerotinia sclerotiorum; phoma herbarum
sclerotinia; alternaria	sclerotinia; alternaria
sclerotinia; alternaria; growth regulator	sclerotinia; alternaria; growth regulator
sclerotinia; alternaria; macrophomina	sclerotinia; alternaria; macrophomina
sclerotinia; botritis	sclerotinia; botritis
sclerotinia; botrytis	sclerotinia; botrytis
sclerotinia; phoma	sclerotinia; phoma
seed weevil ceutorhynchus assimilis	seed weevil ceutorhynchus assimilis
seed treatment	seed treatment

seed weevil	seed weevil
seed weevil ceuthorhynchus assimilis	seed weevil ceuthorhynchus assimilis
seed weevil ceutorhynchus assimilis	seed weevil ceutorhynchus assimilis
seed weevil ceutorhynchus assimilis; pollen beetle meligether aeneus	seed weevil ceutorhynchus assimilis; pollen beetle meligether aeneus
seed weevil ceutorhynchus assimilis	seed weevil ceutorhynchus assimilis
seed weevil ceutorhynchus assimilis; pollen beetle meligethes aeneus	seed weevil ceutorhynchus assimilis; pollen beetle meligethes aeneus
seed weevil ceutrhychus assimilis; turnip sawfly althea rosae; pollen beetle meligethe aeneus	seed weevil ceutrhychus assimilis; turnip sawfly althea rosae; pollen beetle meligethe aeneus
septoria	septoria
septoria ; wheat yellow rust	septoria ; wheat yellow rust
septoria ; yellow rust	septoria ; yellow rust
septoria cytisi	septoria cytisi
septoria; other leaf diseases	septoria; other leaf diseases
septoria; powdery mildes	septoria; powdery mildes
septoria; powdery mildew	septoria; powdery mildew
septoria; rozsa	septoria; rozsa
septoria; rust	septoria; rust
septoria; rust disease; powdery mildew	septoria; rust disease; powdery mildew
septoria; rust; powdery mildew	septoria; rust; powdery mildew
setaria	setaria
setaria amaranthus chenopodium album echinocloa crus gali	setaria amaranthus chenopodium album echinocloa crus gali
setaria johnsongrass panicum spp	setaria johnsongrass panicum spp
setaria panicum johnsongrass	setaria panicum johnsongrass
setaria spp	setaria spp
setaria spp;	setaria spp;
setaria spp; ;amaranthus spp; sinapis arvensis	setaria spp; ;amaranthus spp; sinapis arvensis
setaria spp;; amaranthus spp; sinapis arvensis	setaria spp;; amaranthus spp; sinapis arvensis
setaria; chenopodium	setaria; chenopodium
setaria; sorghum halepense	setaria; sorghum halepense
shepherd's-purse capsela bursa pastoris	shepherd's-purse capsela bursa pastoris
shepherd's-purse capsela bursa pastoris; chamomilla matricaria chamomilla	shepherd's-purse capsela bursa pastoris; chamomilla matricaria chamomilla
shepherd's-purse capsela bursa pastoris; hedge bedstraw galium mollugo	shepherd's-purse capsela bursa pastoris; hedge bedstraw galium mollugo
shepherd's-purse capsela bursa pastoris; wild oilseed rape; loose silky-bent apera spica-venti	shepherd's-purse capsela bursa pastoris; wild oilseed rape; loose silky-bent apera spica-venti
sidebranching stimulation	sidebranching stimulation
sinapis arvensis	sinapis arvensis
sinapis arvensis; chenopodium spp	sinapis arvensis; chenopodium spp

sisymbrium; speedwell veronica; chickweed stellaria media; shepherd's-purse capsela bursa pasto	sisymbrium; speedwell veronica; chickweed stellaria media; shepherd's-purse capsela bursa pasto
soil borne pests	soil borne pests
soil borne pests; soil disinfectant	soil borne pests; soil disinfectant
soil conditioner	soil conditioner
soil desinfectation	soil desinfectation
soil disinfectant	soil disinfectant
soil disinfectant; diabrotica virgifera	soil disinfectant; diabrotica virgifera
soil disinfectant	soil disinfectant
soil insecticide	soil insecticide
soil insects	soil insects
soil-borne pests	soil-borne pests
soilborne insect pests	soilborne insect pests
soilborne pests	soilborne pests
sorghum	sorghum
sorghum halepense	sorghum halepense
sorghum halepense cannabis sativa echinocloa	sorghum halepense cannabis sativa echinocloa
sorghum halepense chenopodium veronica	sorghum halepense chenopodium veronica
sorghum halepense cirsium arvense	sorghum halepense cirsium arvense
sorghum halepense crisium arvense	sorghum halepense crisium arvense
sorghum halepense dicot weeds	sorghum halepense dicot weeds
sorghum halepense echinocloa crus gali	sorghum halepense echinocloa crus gali
sorghum halepense setaria viridis	sorghum halepense setaria viridis
sorghum halepense; amaranthus	sorghum halepense; amaranthus
sorghum halepense; amaranthus spp	sorghum halepense; amaranthus spp
sorghum halepense; ambrosia artemisifolia; datura stramonium; perennial ; annual weeds	sorghum halepense; ambrosia artemisifolia; datura stramonium; perennial ; annual weeds
sorghum halepense; cannabis sativa	sorghum halepense; cannabis sativa
sorghum halepense; chenopodium spp	sorghum halepense; chenopodium spp
sorghum halepense; chenopodium spp; setaria spp;	sorghum halepense; chenopodium spp; setaria spp;
sorghum halepense; chenopodium; xanthium	sorghum halepense; chenopodium; xanthium
sorghum halepense; cirsium arvense	sorghum halepense; cirsium arvense
sorghum halepense; cirsium arvense; echinocloa crus-gali; chenopodium spp	sorghum halepense; cirsium arvense; echinocloa crus-gali; chenopodium spp
sorghum halepense; cirsium arvense; echinocloa crus-gali; setaria spp	sorghum halepense; cirsium arvense; echinocloa crus-gali; setaria spp
sorghum halepense; convulvulus arvensis	sorghum halepense; convulvulus arvensis
sorghum halepense; cynodon dactylon	sorghum halepense; cynodon dactylon
sorghum halepense; datura stramonium	sorghum halepense; datura stramonium
sorghum halepense; datura stramonium; ambrosia artemisiifolia	sorghum halepense; datura stramonium; ambrosia artemisiifolia

sorghum halepense; panicum miliacem	sorghum halepense; panicum miliacem
sorghum halepense; panicum miliaceum	sorghum halepense; panicum miliaceum
sorghum halepense; panicum miliaceum subsp; ruderales; monocot weeds	sorghum halepense; panicum miliaceum subsp; ruderales; monocot weeds
sorghum halepense; wheat volunteer crop	sorghum halepense; wheat volunteer crop
sorghum sorghum; common ragweed ambrosia artemisifolia	sorghum sorghum; common ragweed ambrosia artemisifolia
sorghum; panicum	sorghum; panicum
sorghum halepense	sorghum halepense
speeding up the ripening process	speeding up the ripening process
spicate fusarium	spicate fusarium
spike diseases	spike diseases
sorghum halepense	sorghum halepense
stalk ; head diseases	stalk ; head diseases
stellaria media; lamium spp	stellaria media; lamium spp
stellaria media	stellaria media
stellaria media ; lamium spp	stellaria media ; lamium spp
stellaria media; capsella bursa-pastoris	stellaria media; capsella bursa-pastoris
stellaria media; matricaria chamomila; raphanus raphanistrum	stellaria media; matricaria chamomila; raphanus raphanistrum
stellaria media; veronica	stellaria media; veronica
stem ; head rot; phoma; alternaria	stem ; head rot; phoma; alternaria
stem ; leaf diseases	stem ; leaf diseases
stem beetle	stem beetle
stem decrease	stem decrease
stem diseases	stem diseases
stem flea beetle psylliodes chrysocephala	stem flea beetle psylliodes chrysocephala
stem flea beetle psylliodes chrysocephala; cabbage fly; flea beetle phyllotreta undulata; polle	stem flea beetle psylliodes chrysocephala; cabbage fly; flea beetle phyllotreta undulata; polle
stem flea beetle psylliodes chrysocephala; cabbage stem weevil ceutorrhynchus quadridens	stem flea beetle psylliodes chrysocephala; cabbage stem weevil ceutorrhynchus quadridens
stem flea beetle psylliodes chrysocephala; ceutorrhynchus spp	stem flea beetle psylliodes chrysocephala; ceutorrhynchus spp
stem flea beetle psylliodes chrysocephala; pollen beetle meligethes aeneus	stem flea beetle psylliodes chrysocephala; pollen beetle meligethes aeneus
stem flea beetle psylliodes chrysocephala; turnip sawfly athalia rosae	stem flea beetle psylliodes chrysocephala; turnip sawfly athalia rosae
stem flea beetle psylliodes chrysocephala; turnip sawfly athalia rosae; flea beetle phyllotreta	stem flea beetle psylliodes chrysocephala; turnip sawfly athalia rosae; flea beetle phyllotreta
stem shortener	stem shortener
stem stiffener	stem stiffener
stem stiffness enhancer	stem stiffness enhancer
stem strengthener	stem strengthener



stem strengthening	stem strengthening
stem strenthening	stem strenthening
stem weevil	stem weevil
stem weevil ceutorrhynchus napi	stem weevil ceutorrhynchus napi
stem weevil ceutorrhynchus napi; cabbage stem weevil ceutorrhynchus quadridens	stem weevil ceutorrhynchus napi; cabbage stem weevil ceutorrhynchus quadridens
stem weevil ceutorrhynchus napi; cabbage stem weevil ceutorrhynchus quadridens;	stem weevil ceutorrhynchus napi; cabbage stem weevil ceutorrhynchus quadridens;
stem weevil ceutorrhynchus napi; larvae of turnip sawfly	stem weevil ceutorrhynchus napi; larvae of turnip sawfly
stem weevil; pollen beetle	stem weevil; pollen beetle
stem-; foliar diseases	stem-; foliar diseases
stubble weeds; osr volunteer crop; weed control	stubble weeds; osr volunteer crop; weed control
sucking ; chewing pests	sucking ; chewing pests
sucking ; chewing pests; cabbage stem flea beetle psylloides chrysocephala	sucking ; chewing pests; cabbage stem flea beetle psylloides chrysocephala
sucking ; chewing pests; chenopodium spp	sucking ; chewing pests; chenopodium spp
sunflower volunteer crop descurainia sophia	sunflower volunteer crop descurainia sophia
sunflower volunteer crop; cirsium arvense	sunflower volunteer crop; cirsium arvense
tan spot of wheat pyrenophora tritici repentis; against of rusty disease	tan spot of wheat pyrenophora tritici repentis; against of rusty disease
tan spot of wheat pyrenophora tritici-repentis powdery mildew; rust;	tan spot of wheat pyrenophora tritici-repentis powdery mildew; rust;
tanymecus dilaticollis	tanymecus dilaticollis
tanymecus dilaticollis ; other insects	tanymecus dilaticollis ; other insects
the disease of the head	the disease of the head
the diseases of the head	the diseases of the head
the larva of athalia rosae	the larva of athalia rosae
the larva of corn rootworm	the larva of corn rootworm
to decrease pod shatter	to decrease pod shatter
total weed control	total weed control
total weed control; sorghum halepense; asclepias syriaca	total weed control; sorghum halepense; asclepias syriaca
trichoderma asperellum biocontrol fungus product	trichoderma asperellum biocontrol fungus product
tripleurospermum; descurainia sophia	tripleurospermum; descurainia sophia
tropinota hirta; louse; anisoplia	tropinota hirta; louse; anisoplia
tropinota hirta; meligethes aeneus	tropinota hirta; meligethes aeneus
turnip sawfly athalia rosae	turnip sawfly athalia rosae
turnip sawfly athalia rosae; ceutorrhynchus spp; pollen beetle meligethes aeneus	turnip sawfly athalia rosae; ceutorrhynchus spp; pollen beetle meligethes aeneus
turnip sawfly athalia rosae; flea beetle phyllotreta undullata	turnip sawfly athalia rosae; flea beetle phyllotreta undullata
turnip sawfly athalia rosae; pollen beetle meligethes aeneus; ceutorrhynchus spp; stem flea beet	turnip sawfly athalia rosae; pollen beetle meligethes aeneus; ceutorrhynchus spp; stem flea beet

turnip sawfly athalia rosae; stem flea beetle psylliodes chrysocephala	turnip sawfly athalia rosae; stem flea beetle psylliodes chrysocephala
velvetleaf abutilon theophrasti; amaranth amaranthus spp	velvetleaf abutilon theophrasti; amaranth amaranthus spp
velvetleaf abutilon theophrasti; devil's snare datura stramonium	velvetleaf abutilon theophrasti; devil's snare datura stramonium
velvetleaf abutilon theophrasti; amaranth amaranthus spp	velvetleaf abutilon theophrasti; amaranth amaranthus spp
veronica spp; apera spica venti	veronica spp; apera spica venti
veronica	veronica
veronica hederifolia	veronica hederifolia
veronica hederifolia; loose silky-bent apera spica-venti; chickweed stellaria media	veronica hederifolia; loose silky-bent apera spica-venti; chickweed stellaria media
veronica sp	veronica sp
veronica spp	veronica spp
veronica spp fajok; convulvulus spp	veronica spp fajok; convulvulus spp
veronica spp fajok; gallium spp	veronica spp fajok; gallium spp
veronica spp lamium spp apera spica-venti	veronica spp lamium spp apera spica-venti
veronica spp; capsella bursa pastoris;	veronica spp; capsella bursa pastoris;
veronica spp; descourainia sophia; poppy; convulvulus spp	veronica spp; descourainia sophia; poppy; convulvulus spp
veronica spp; flaxweed descourainia sophia	veronica spp; flaxweed descourainia sophia
veronica spp; lamium spp; apera spica-venti	veronica spp; lamium spp; apera spica-venti
veronica spp; lamium spp; chamomila; cota tinctoria	veronica spp; lamium spp; chamomila; cota tinctoria
veronica spp; nagy apera spica-venti	veronica spp; nagy apera spica-venti
veronica spp; shepherd's-purse capsella bursa pastoris; creeping thistle cirsium arvense	veronica spp; shepherd's-purse capsella bursa pastoris; creeping thistle cirsium arvense
veronica spp; shepherd's-purse capsella bursa pastoris; poppy papaver rhoeas	veronica spp; shepherd's-purse capsella bursa pastoris; poppy papaver rhoeas
veronica spp; viola	veronica spp; viola
veronica spp; stellaria media; nagy apera spica-venti	veronica spp; stellaria media; nagy apera spica-venti
veronica spp; fajok; zsombor; poppy; convulvulus spp	veronica spp; fajok; zsombor; poppy; convulvulus spp
veronica; capsella bursa pastoris	veronica; capsella bursa pastoris
veronica; chickweed stellaria media	veronica; chickweed stellaria media
veronica; creeping thistle cirsium arvense; poppy papaver rhoeas	veronica; creeping thistle cirsium arvense; poppy papaver rhoeas
veronica; deadnettle spp lamium spp; poppy papaver rhoeas	veronica; deadnettle spp lamium spp; poppy papaver rhoeas
veronica; galium mollugo	veronica; galium mollugo
veronica; lamium	veronica; lamium
veronica; loose silky-bent apera spica-venti	veronica; loose silky-bent apera spica-venti
veronica; lamium sp	veronica; lamium sp
viola spp; veronica spp; wheat volunteer crop	viola spp; veronica spp; wheat volunteer crop
volunteer barley	volunteer barley
volunteer cereals	volunteer cereals

volunteer oilseed rape; amaranth amaranthus spp;hedge bedstraw galium mollugo; loose silky-bent	volunteer oilseed rape; amaranth amaranthus spp;hedge bedstraw galium mollugo; loose silky-bent
volunteer oilseed rape; cannabis sativa subsp; spontanea	volunteer oilseed rape; cannabis sativa subsp; spontanea
volunteer sunflower	volunteer sunflower
volunteer sunflower datura stramonium cirsium arvense	volunteer sunflower datura stramonium cirsium arvense
volunteer sunflower; poppy papaver rhoeas	volunteer sunflower; poppy papaver rhoeas
volunteer wheat	volunteer wheat
weed	weed
weeds	weeds
weeds germinating only at spring ; weeds germinating at autumn ; spring	weeds germinating only at spring ; weeds germinating at autumn ; spring
weeds preventive	weeds preventive
weeding agent	weeding agent
weevil	weevil
weevil; pollen beetle	weevil; pollen beetle
weevils	weevils
weevils ; pollen beetles	weevils ; pollen beetles
weevils ; pollent beetles	weevils ; pollent beetles
weevils tanymecus spp;	weevils tanymecus spp;
weevils; pollen beetle	weevils; pollen beetle
western corn rootworm diabrotica virgifera	western corn rootworm diabrotica virgifera
western corn rootworm diabrotica virgifera l?rva	western corn rootworm diabrotica virgifera l?rva
western corn rootworm diabrotica virgifera; corn borer ostrinia nubilalis	western corn rootworm diabrotica virgifera; corn borer ostrinia nubilalis
western corn rootworm diabrotica virgifera; ground beetles carabidae click beetle larvae ; wirew	western corn rootworm diabrotica virgifera; ground beetles carabidae click beetle larvae ; wirew
wetting	wetting
wetting agent	wetting agent
wetting agent ; yield enhancer	wetting agent ; yield enhancer
wetting agent; yield enhancer	wetting agent; yield enhancer
wheat bugs eurygaster spp;; aelia spp;	wheat bugs eurygaster spp;; aelia spp;
wheat bugs eurygastes spp; ; aelia spp	wheat bugs eurygastes spp; ; aelia spp
wheat grain beetle anisoplia spp	wheat grain beetle anisoplia spp
wheat grain beetle anisoplia spp; wheat bugs eurygaster spp;; aelia spp;	wheat grain beetle anisoplia spp; wheat bugs eurygaster spp;; aelia spp;
wheat spike diseases	wheat spike diseases
wheat spike protection	wheat spike protection
wheat volunteer crop	wheat volunteer crop
wheat yellow rust	wheat yellow rust
white ; grey mould	white ; grey mould
white mould	white mould

white mould sclerotinia sclerotiorum	white mould sclerotinia sclerotiorum
white mould sclerotinia sclerotiorum ; grey mould botrytis	white mould sclerotinia sclerotiorum ; grey mould botrytis
white mould sclerotinia sclerotiorum; against of flower-head diseases	white mould sclerotinia sclerotiorum; against of flower-head diseases
white mould sclerotinia sclerotiorum; against of putrefaction of the stalk	white mould sclerotinia sclerotiorum; against of putrefaction of the stalk
white mould sclerotinia sclerotiorum; alternaria seminis alternaria seminis	white mould sclerotinia sclerotiorum; alternaria seminis alternaria seminis
white mould sclerotinia sclerotiorum; botrytis botrytis cinerea	white mould sclerotinia sclerotiorum; botrytis botrytis cinerea
white mould sclerotinia sclerotiorum; botrytis botrytis cinerea; alternaria seminis alternaria seminis	white mould sclerotinia sclerotiorum; botrytis botrytis cinerea; alternaria seminis alternaria seminis
white mould sclerotinia sclerotiorum; diaporthe	white mould sclerotinia sclerotiorum; diaporthe
white mould; grey mould	white mould; grey mould
white mould; grey mould; phoma	white mould; grey mould; phoma
white mould; stem ; head rot	white mould; stem ; head rot
wild oat avena fatua	wild oat avena fatua
wind bent grass	wind bent grass
wireworm	wireworm
wireworm melolontha melolontha larvae	wireworm melolontha melolontha larvae
wireworm weevil	wireworm weevil
wireworm; diabrotica virgifera	wireworm; diabrotica virgifera
wireworm; grub	wireworm; grub
wireworm; the larva of corn rootworm	wireworm; the larva of corn rootworm
wireworm; the larvae of the corn rootworm	wireworm; the larvae of the corn rootworm
xanthium; jimsonweed; ragweed	xanthium; jimsonweed; ragweed
yellow rust	yellow rust
yellow rust ; fusarium	yellow rust ; fusarium
yield enhancer	yield enhancer

## 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: 2 - 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

---

### 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
Hungary	Hungary

**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
HungaryMaize1	HungaryMaize1
HungaryOilseed rape1	HungaryOilseed rape1
HungarySunflowerSeed1	HungarySunflowerSeed1
HungaryWheat1	HungaryWheat1

**GROWERID: Unique identifier per grower****Data file: Location****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 171009071 - 172630211 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
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 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES



Value	Category
1	interviewer captures at least two points per field
2	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
ok	ok
ok, only 1 coordinate	ok, only 1 coordinate

### 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
-1	-1
2071	2071
2457	2457
2458	2458
2459	2459
2460	2460
2462	2462
2463	2463

2464	2464
2475	2475
2476	2476
2477	2477
2482	2482
2483	2483
2484	2484
2485	2485
2490	2490
2854	2854
2881	2881
2884	2884
2885	2885
2886	2886
2899	2899
2942	2942
2943	2943
2944	2944
6080	6080
6098	6098
6099	6099
6100	6100
6101	6101
6328	6328
6329	6329
6330	6330
6331	6331
6421	6421
6422	6422
6423	6423
6430	6430
6431	6431
6432	6432
6500	6500
6501	6501
6502	6502
6503	6503
6513	6513
7000	7000

7030	7030
7045	7045
7046	7046
7047	7047
7048	7048
7084	7084
7090	7090
7091	7091
7092	7092
7093	7093
7095	7095
7096	7096
7097	7097
7098	7098
7099	7099
7100	7100
7101	7101
7143	7143
7173	7173
7174	7174
7175	7175
7176	7176
7177	7177
7183	7183
7214	7214
7215	7215
7216	7216
7217	7217
7400	7400
7401	7401
7402	7402
7403	7403
7439	7439
7452	7452
7453	7453
7454	7454
7455	7455
7465	7465
7466	7466

7467	7467
7468	7468
7542	7542
7543	7543
7544	7544
7545	7545
7561	7561
7562	7562
7563	7563
7564	7564
7726	7726
8000	8000
8001	8001
8002	8002
8003	8003
8060	8060
8071	8071
8081	8081
8083	8083
8084	8084
8085	8085
8086	8086
8093	8093
8111	8111
8123	8123
8125	8125
8126	8126
8127	8127
8128	8128
8129	8129
8130	8130
8133	8133
8136	8136
8137	8137
8138	8138
8151	8151
8152	8152
8153	8153
8154	8154

8155	8155
8391	8391
8635	8635
8676	8676
8695	8695
8696	8696
8697	8697
8698	8698
8764	8764
8948	8948

## 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
Baranya	Baranya
Budapest	Budapest
Bács-Kiskun	Bács-Kiskun
Békés County	Békés County
Csongrád	Csongrád
Fejér	Fejér
Gyor-Moson-Sopron	Gyor-Moson-Sopron
Hajdú-Bihar	Hajdú-Bihar
Heves County	Heves County
Komárom-Esztergom	Komárom-Esztergom
Nitriansky kraj	Nitriansky kraj
Pest County	Pest County
Somogy County	Somogy County
Szabolcs-Szatmár-Bereg	Szabolcs-Szatmár-Bereg
Tolna County	Tolna County
Zala County	Zala County



**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
Hungary	Hungary

**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
Oilseed rape	Oilseed rape
Sunflower	Sunflower
Wheat	Wheat

**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
HungaryMaize1	HungaryMaize1
HungaryOilseed rape1	HungaryOilseed rape1
HungarySunflowerSeed1	HungarySunflowerSeed1
HungaryWheat1	HungaryWheat1

## 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

## 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
171009071	171009071
171009072	171009072
171009101	171009101
171009181	171009181
171009211	171009211
171010071	171010071

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### **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 - 18    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	Weeding
13	Harvesting
14	Post handling
15	Processing
16	Transport
17	Other
18	Seed Treatment

### **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**

##### 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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