

Good Growth Plan 2014-2016

Syngenta

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Identification

SURVEY ID NUMBER

AUS_2014-2016_GGP-P_v01_M_v01_A_OCS

TITLE

Good Growth Plan 2014-2016

COUNTRY/ECONOMY

Name	Country code
Australia	AUS

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.

Screening of Australia BF:

(a) wheat growers

Mixed crops including both wheat and barley

Professional farmers, full time on the farm

No-till/Minimum till system

Both wheat and barley

A good understanding of soil disease status of their paddocks (Rhizoctonia)

A good understanding of the resistance status of weeds on their property, and an integrated approach to weed management.

Location: Bordertown, Wimmera, Victoria --> cut off: 1500-4000 ha (farm size)

Location: Victoria slopes region, Riverina, New South Wales, Central region --> cut off: 1400 ha (farm size)

Location: Avon Valley, Western Australia - Artea from Bolgart to Kelleberrin, Quairading to Brookton and York --> Cut-off: 150-3500 ha (farm size)

data_collection

DATES OF DATA COLLECTION

Start	End
2014	2016

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 & quality per crop - Field crops
- d. Harvest timing & quality per crop - Tree crops
- e. Harvest timing & quality per crop - Sugarcane
- f. Harvest timing & 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	Link

CONFIDENTIALITY

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

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

The Good Growth Plan Progress Data - Productivity 2019

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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_AUS_2014-2016_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 (AUS_2014-2016_GGP-P_v01_EN_M_A_OCS). The following two metadata fields were edited - Document ID and Survey ID.

data_dictionary

Data file	Cases	variables
fertilizers	0	16
seed_treatment	0	28
Farm_level_data	0	32
Global_farm_data	0	156
Crop_protection	0	31
Location	0	8
Activities and Machinery (Q382)	0	9

Data file: fertilizers

Cases:	0
variables:	16

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 %)	

total: 16

Data file: seed_treatment

Cases:	0
variables:	28

variables

ID	Name	Label	Question
V17	harvestyear	Data collection wave	
V18	GrowingArea	To which field/plot does the information relate to?	
V19	ClusterID	Unique cluster ID	
V20	country	Country	
V21	Farmtype	FARMTYPE	
V22	GrowerID	Unique respondent ID	
V23	product	Unique code of a product that was applied	
V24	crop	The crop of focus	
V25	q73	What is the amount of seeds in <KG> that has been sown per <HECT> ?	
V26	q233c_a	Q233C. a. Timing of product application	
V27	q233c_b	Q233C. b.Type of product	
V28	q233c_c	Q233C. c. Brand product name	
V29	q233c_c2	Q233C. c2. Brand product formulation	
V30	c233c_c	CODED VARIABLE - stringcode	
V31	c233ca1	CODED VARIABLE - active ingredient1	
V32	c233cp1	CODED VARIABLE - amount of ai1	
V33	c233cu1	CODED VARIABLE - unit (% or Gr)	
V34	c233ca2	CODED VARIABLE - active ingredient2	
V35	c233cp2	CODED VARIABLE - amount of ai2	
V36	c233ca3	CODED VARIABLE - active ingredient3	
V37	c233cp3	CODED VARIABLE - amount of ai3	
V38	c233ca4	CODED VARIABLE - active ingredient4	
V39	c233cp4	CODED VARIABLE - amount of ai4	
V40	q233c_d	Q233C. d. PRODUCT 1: Dosage	
V41	q233c_e	Q233C. e. PRODUCT 1: Unit of quantity	
V42	q233c_f	Q233C. f. PRODUCT 1: Amount of H2O solved in LITERS per <HECT>	
V43	q233c_g	Q233C. g. PRODUCT 1: Pest/disease/ weed targeted	
V44	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
V45	HarvestYear	Data collection wave	
V46	Region	Syngenta's definition of Region	
V47	Territory	Syngenta's definition of Territory	
V48	GrowingArea	To which field/plot does the information relate to?	
V49	ClusterID	Unique cluster ID	
V50	country	Country	
V51	Farmtype	Farm type	
V52	GrowerID	Unique respondent ID	
V53	Crop	The crop of focus	
V54	AreaSize	Q57. Size of growing area A for <TARG1> in <HECT>	
V55	CropSize	Q5.Total cultivated area of <TARG1> in this season in <HECT>	
V56	FarmSize	Q6. Total size of your farm/cultivated area for all crops in <HECT>	
V57	Landproductivity	Land efficiency in ton/ha	
V58	PesticideApplicationEfficiency	Number of field applications used per ton produced	
V59	NutrientEfficiency	Kgs of nitrogen used per ton produced	
V60	PhosphorusEfficiency	Kgs of phosphorus used per ton produced	
V61	PotassiumEfficiency	Kgs of potassium used per ton produced	
V62	SeedEfficiency	Kgs of seeds used per ton produced	
V63	PesticideEfficiency	Kgs of active ingredients from pesticides used in kilogram per ton produced	
V64	HerbicideEfficiency	Kgs of active ingredients from herbicides used per ton produced	
V65	FungicideEfficiency	Kgs of active ingredients from fungicides used per ton produced	
V66	InsecticideEfficiency	Kgs of active ingredients from insecticides used per ton produced	
V67	IrrigationWaterEfficiency	Litres of irrigation water used per ton produced	
V68	LaborEfficiency	Amount of labor hours per unit of crop output produced	
V69	MachineryEfficiency	Amount of machinery used in hours per unit of crop output produced	
V70	SyngentaShare	Percentage of syngenta products used compared to total number of products used	
V71	User_vs_non_user	Does the grower use Syngenta products?	
V72	protocol	have received a crop program and/or any recommendations this season?	
V73	field_preparation	Date of first field preparation	
V74	planting_date	Date of sowing or planting	
V75	harvest_begin	Date when harvest started	
V76	harvest_end	Date when harvest ended	

total: 32

Data file: Global_farm_data

Cases:	0
variables:	156

variables

ID	Name	Label	Question
V77	Territory	Syngenta definition of territory (sub-region)	
V78	country	Country	
V79	ClusterID	Unique cluster ID	
V80	GrowerID	Unique respondent ID	
V81	GrowingArea	To which field/plot does the information relate to?	
V82	Farmtype	Farmtype	
V83	q1c3	Q1.C3. Since you have participated before, we'd like to share with you your individual performance report	
V84	q1f	Q1. F. Would it be okay for you for Syngenta to contact you with follow-up information on The Good Growth Plan?	
V85	crop	Crop of focus	
V86	q56A2_1	Q56A2. Growing area changed from previous year- did not plant this area due to crop rotation	
V87	q56A2_4	Q56A2. Growing area changed from previous year- I left my field fallow	
V88	q56A2_96	Q56A2. Growing area changed from previous year- Other specify 1	
V89	q56A2_99	Q56A2. Growing area changed from previous year? Don't know / no answer	
V90	q57a	Q57A. How certain you are of the size indication for growing area A?	
V91	q4055	Q4055. TON/HEC Yield objective for area A for <CROP> at beginning of this season?	
V92	q19	Q19. Surname	
V93	q20	Q20. First name	
V94	q21	Q21. Phone number	
V95	q22	Q22. E-mail address	
V96	q27	Q27. Year of birth	
V97	q28	Q28. Gender	
V98	q31	Q31. Until what age did you go to school?	
V99	q30	Q30. Are you a full-time or part-time farmer?	
V100	q30b	Q30. B. How long have you been engaged in farming activities?	
V101	q33	Q33. Did you receive an agronomical/agricultural education?	
V102	q34	Q34. Are you a member of a producer group, association or cooperative for <CROP>?	
V103	q35c	Q35. C. Overall, how satisfied would you say you are with your life these days?	
V104	q37a	Q37.A. Do you have signs of soil erosion by water on	
V105	q37b	Q37.B. Do you have signs of soil erosion by wind on your farm?	
V106	q65	Q65. Do you practice intercropping for <TARGET CROP> ?	
V107	q60	Q60. Do you rotate crops on growing area A for <TARGET CROP>?	
V108	q61_1	Q61. What crops are you cultivating in rotation? Apples	
V109	q61_3	Q61. What crops are you cultivating in rotation? Barley	
V110	q61_7	Q61. What crops are you cultivating in rotation? Corn	
V111	q61_10	Q61. What crops are you cultivating in rotation? Oilseed rape	
V112	q61_21	Q61. What crops are you cultivating in rotation? Wheat	

ID	Name	Label	Question
V113	q61_50	Q61. What crops are you cultivating in rotation? Grass	
V114	q61_51	Q61. What crops are you cultivating in rotation? Grassland	
V115	q61_65	Q61. What crops are you cultivating in rotation? Oats	
V116	q61_80	Q61. What crops are you cultivating in rotation? Pulses (lentils, beans, peas)	
V117	q61_96	Q61. What crops are you cultivating in rotation? Other. Specify 1	
V118	q61_97	Q61. What crops are you cultivating in rotation? Other. Specify 2	
V119	q61_98	Q61. What crops are you cultivating in rotation? Other. Specify 3	
V120	q67	Q67. What is the soil type of growing area A for <TARGET CROP>?	
V121	q67b	Q67B. Texture is your soil on growing area A for <TARGET CROP> this season?	
V122	q55e1	Q55E1.Partook in training/meeting on crop/agricultural practices in the past 2 years?	
V123	q4041a	Q4041.A. Do you feel the need to follow training on crop cultivation in the near future?	
V124	q54_1	Q54. Where do you deposit the rest water after spraying? Citerne (phytobac, heliosecc, sentinel, biofilter)	
V125	q54_2	Q54. Where do you deposit the rest water after spraying? In fields	
V126	q54_96	Q54. Where do you deposit the rest water after spraying? Other specify 1:	
V127	q54_97	Q54. Where do you deposit the rest water after spraying? Other specify 2:	
V128	q54_99	Q54. Where do you deposit the rest water after spraying? Don't know / no answer	
V129	q54_oth1	Q54. Other 1:: Q54. Where do you deposit the rest water after spraying?	
V130	q54_oth2	Q54. Other 2:: Q54. Where do you deposit the rest water after spraying?	
V131	q55a_1	Q55a. Where do you clean your sprain equipment? On farm	
V132	q55b_1	Q55b. Where do you dispose the water used for cleaning you equipment? On field	
V133	q55b_2	Q55b. Where do you dispose the water used for cleaning you equipment? Citerne	
V134	q55b_3	Q55b. Where do you dispose the water used for cleaning you equipment? On an unpaved surface	
V135	q55b_4	Q55b. Where do you dispose the water used for cleaning you equipment? On a paved surface (drain / dike)	
V136	q55b_96	Q55b. Where do you dispose the water used for cleaning you equipment? Other specify 1:	
V137	q55c	Q55. C. Do you store the sprayer protected from rain?	
V138	q55d	Q55. D. Do you use drift-reducing nozzles on your sprayer?	
V139	q72	Q72. When did the first field preparation start for growing area A for <TARGET CROP> ?	
V140	q73	Q73. KGs/HECT of seeds sown for growing area A for <TARGET CROP>	
V141	q74	Q74. When was the crop sown / planted for growing area A for <TARGET CROP>?	
V142	q231b	Q231B. Are your seeds coated with crop protection products?	
V143	q233	Q233. Do you use on-farm or pre-treated seed treatment to treat the seeds for growing area A for <TARGET CROP>?	
V144	q224a	Q224 A. Did you perform a soil test for <TARGET CROP>?	
V145	q224	Q224. Do you apply organic fertilizers for <TARGET CROP>?	
V146	q226	Q226. Do you apply chemical fertilizers for <TARGET CROP>?	
V147	q229b1	Q229B1.Total number of applications you perform with chemical fertilizers on growing area for <TARGET CROP>?	
V148	q229b2	Q229B2.Total number of applications you perform with organic fertilizers on growing area for <TARGET CROP>?	
V149	q240e_1	Q240E. We would like to better understand the pest pressure on the selected growing areas. INSECT PRESSURE	
V150	q240e_2	Q240E. We would like to better understand the pest pressure on the selected growing areas. DISEASE PRESSURE	
V151	q240e_3	Q240E. We would like to better understand the pest pressure on the selected growing areas. WEED PRESSURE	

ID	Name	Label	Question
V152	q240d	Q240D. Note down the total number of treatments you perform with crop protection products	
V153	q75	Q75. What is the final stand i.e. the number of plants - per <SQUARE METER>/<TARGET CROP>?	
V154	q76	Q76. Prior to harvest, indicate the percentage of the plot area that is lodged for <TARGET CROP>?	
V155	q243a	Q243. When was the harvest period for <TARGET CROP>?	
V156	q243b	Q243. When was the harvest period for <TARGET CROP>?	
V157	q244	Q244. Marketable yield that has been achieved for growing area A for <TARGET CROP> in <TON> per <HECTARES>?	
V158	q4094_1	Q4094. Who measured the yield on each of the growing areas? Myself	
V159	q4094_98	Q4094. Who measured the yield on each of the growing areas? Other specify3	
V160	q4095a	Q4095. A. Compared to previous year, would you say your yield has ...?	
V161	q4096a	Q4096. A. How satisfied are you with your yield this season?	
V162	q4097a	Q4097. A. How satisfied are you with the price you received on the market?	
V163	q251	Q251. % of crop damaged at the time of harvest (total lost - not marketable) for <TARGET CROP>?	
V164	q266b	Q266 B. Please indicate the protein content level of your yield for <TARGET CROP>.	
V165	q360a	Q360. When was the harvest period for <TARGET CROP>?	
V166	q360b	Q360. When was the harvest period for <TARGET CROP>?	
V167	q319a	Q319. When was the harvest period for sugarcane?	
V168	q319b	Q319. When was the harvest period for sugarcane?	
V169	q339a	Q339. When was the harvest period for banana?	
V170	q339b	Q339. When was the harvest period for banana?	
V171	q246_1	Q246. % of the harvest of your target crop is used for own consumption	
V172	q246_2	Q246. % of the harvest of your target crop is used for feeding livestock	
V173	q246_3	Q246. % of the harvest of your target crop is used for harvest sold	
V174	q4002	Q4002. Did you take measures to prevent post-harvest loss for <TARGET CROP>?	
V175	q377	Q377. What is the estimated revenue in <DOLLAR>/<HECTARES> for growing area A of <TARGET CROP>?	
V176	q378	Q378. Could you please indicate the estimated revenue in general? <DOLLAR>/<HECTARES>.	
V177	q379	Q379.A Can you please explain your answer for <TARGET CROP>?	
V178	q380	Q380. What is your total input cost for <TARGET CROP> from first field preparation until harvest?	
V179	q4111_1	Q4111. Actual costs SEEDS for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V180	q4111_2	Q4111. Actual costs FERTILIZERZ for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V181	q4111_3	Q4111. Actual costs LABOR for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V182	q4111_4	Q4111. Actual costs MACHINERY <TARGET CROP>?<DOLLAR>/<HECTARES>	
V183	q4111_5	Q4111. Actual costs WATER USE for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V184	q4111_6	Q4111. Actual costs FUEL for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V185	q4111_7	Q4111. Actual costs RENT/LOAN for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V186	q4111_8	Q4111. Actual costs FUNGICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V187	q4111_9	Q4111. Actual costs HERBICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V188	q4111_10	Q4111. Actual costs INSECTICIDES <TARGET CROP>?<DOLLAR>/<HECTARES>	
V189	q4111_98	Q4111. Actual costs DRYING for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V190	q381_1	Q381. Percentage of TREES/SEED costs out of the total input cost for <TARGET CROP>?	
V191	q381_2	Q381. Percentage of FERTILIZERS costs out of the total input cost for <TARGET CROP>?	

ID	Name	Label	Question
V192	q381_3	Q381. Percentage of PESTICIDES costs out of the total input cost for <TARGET CROP>?	
V193	q381_4	Q381. Percentage of LABOR costs out of the total input cost for <TARGET CROP>?	
V194	q381_5	Q381. Percentage of MACHINERY costs of the total input cost for <TARGET CROP>?	
V195	q381_6	Q381. Percentage of WATER USE costs out of the total input cost for <TARGET CROP>?	
V196	q381_7	Q381. Percentage of FUEL costs out of the total input cost for <TARGET CROP>?	
V197	q381_8	Q381. Percentage of ELECTRICITY costs out of the total input cost for <TARGET CROP>?	
V198	q381_9	Q381. Percentage of GAS costs out of the total input cost for <TARGET CROP>?	
V199	q381_98	Q381. Percentage of OTHER costs out of the total input cost for <TARGET CROP>?	
V200	q4121	Q4121. In general for the whole cultivation period, rate the weather conditions for <TARGET CROP>?	
V201	q387_1	Q387. What was the impact for target crop? Reduced yield	
V202	q388	Q388. How would you say the level of rainfall was for growing area A	
V203	q388d	Q388D. You mentioned you had more rainfall this season than usual. Was this problematic?	
V204	q3880	Q3880. How would you say the temperature was during this season ?	
V205	q3880b	Q3880 B. You mentioned you had lower temperatures this season than usual. Was this problematic?	
V206	q389	Q389. What is the MAIN water source of <TARGET CROP> during this season?	
V207	q390	Q390. What is the number of days you have been irrigating <TARGET CROP>?	
V208	q391	Q391. What is the average amount of hours per day you have been irrigating of <TARGET CROP>?	
V209	q392	Q392. What is the amount of liters that is discharged per hour of <TARGET CROP>?	
V210	q399c	Q399.C. How satisfied are you with the crop program and/or recommendations for <TARGET CROP>?	
V211	harvestyear	Data collection wave	
V212	q215	Q215. When did the first field preparation start for cauliflower?	
V213	q218	Q218. When have the young plants been planted for cauliflower?	
V214	q4000_5	q4000_5. To whom do you sell your yield - I sell it to a cooperative I am part of	
V215	q4000_6	q4000_6. To whom do you sell your yield -I sell it under a contract	
V216	q4000_99	q4000_99. To whom do you sell your yield -Don't know / no answer	
V217	q399	Q399. Please explain why you follow or do not follow the crop program and/or recommendations.	
V218	q397	Q397. Received a recommended growing protocol or crop program from an agricultural advisor?	
V219	q397b_oth1	Q397B. From whom did you receive the protocol/crop program? Other 1	
V220	q397c	Q397C. Did you receive a protocol/crop program from Syngenta?	
V221	q397d_oth	Q397.D. From which manufacturer have you received a protocol/crop program? OTHER	
V222	q35a_1	Q35.A. What group/association/cooperative are a member of? 1ST	
V223	q35a_2	Q35.A. What group/association/cooperative are a member of? 2ND	
V224	q35a_3	Q35.A. What group/association/cooperative are a member of? 3RD	
V225	q58	Q58. In general, what is the topography of your growing area?	
V226	q58oth	Q58. In general, what is the topography of your growing area? OTHER	
V227	q230_1	Bought seeds	
V228	q230_2	Saved seeds	
V229	q4001	Q4001. % of crop lost in-between harvest and storage or selling <TARG1>?	
V230	q147	Q147. When have the young plants been planted ?	
V231	q247_1a	Q247. BUYER 1 % of yield	
V232	q247_1b	Q247. BUYER 1 price per metric ton	

total: 156

Data file: Crop_protection

Cases:	0
variables:	31

variables

ID	Name	Label	Question
V233	harvestyear	Data collection wave	
V234	GrowingArea	To which field/plot does the information relate to?	
V235	ClusterID	Unique cluster ID	
V236	country	Country	
V237	Farmtype	FARMTYPE	
V238	GrowerID	Unique respondent ID	
V239	product	Unique code of a product within application	
V240	crop	The crop of focus	
V241	application	Unique code of an application per field per grower	
V242	q241a	Q241 a. Timing of product application	
V243	q241b	Q241 b.Type of product	
V244	q241c	Q241 c . Brand product name	
V245	q241c1	Q241 c1. Brand product formulation	
V246	c241c	CODED VARIABLE - stringcode	
V247	c241ca1	CODED VARIABLE - active ingredient1	
V248	c241cp1	CODED VARIABLE - amount of ai1	
V249	c241cu1	CODED VARIABLE - unit (% or Gr)	
V250	c241ca2	CODED VARIABLE - active ingredient2	
V251	c241cp2	CODED VARIABLE - amount of ai2	
V252	c241ca3	CODED VARIABLE - active ingredient3	
V253	c241cp3	CODED VARIABLE - amount of ai3	
V254	c241cpt	CODED VARIABLE - total amount of ai	
V255	q241d	CODED VARIABLE Q241 d. Dosage ?	
V256	q241e	CODED VARIABLE Q241 e. Unit of quantity	
V257	q241f	Q241 f. Amount of H2O solved in LITERS per <HECTARE>	
V258	q241g	Q241 g. Pest/disease/ weed targeted ?	
V259	q241h	Q241 h. Level of pest/ disease/ weed pressure	
V260	q241i	Q241 i. Percentage of the area treated against pests/ diseases/ weeds	
V261	q241j	Q241 j. Percentage of crop free of pests/ diseases/ weeds at harvest (in %)	
V262	q241k	Q241 k. Equipment type ?	
V263	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 31

Data file: Location

Cases:	0
variables:	8

variables

ID	Name	Label	Question
V264	harvestyear	Year in which the data was collected	
V265	country	Country	
V266	ClusterID	Unique identifier per cluster	
V267	GrowerID	Unique identifier per grower	
V268	GrowingArea	Field code (A or B)	
V269	q1f	Q1. F. Would it be okay for you for this company to contact you with information on The GGP?	
V270	q25	Q25. Farm address - postal code	
V271	admin_level_1	administrative area 1	

total: 8

Data file: Activities and Machinery (Q382)

Cases: 0

variables: 9

variables

ID	Name	Label	Question
V272	harvestyear	Year in which the data was collected	
V273	country	Country	
V274	crop	Crop	
V275	ClusterID	Unique identifier per cluster	
V276	farmtype	Reference farms versus Benchmark farms	
V277	GrowerID	Unique identifier per grower	
V278	GrowingArea	Field code (A or B)	
V279	activity	Which activities did the grower do on his field?	
V280	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 - 2015 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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	A

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
AustraliaBarley1	AustraliaBarley1
AustraliaWheat1	AustraliaWheat1

COUNTRY: Country

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Australia	Australia

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

CATEGORIES

Value	Category
3120203	3120203
3120221	3120221
3120403	3120403
3120421	3120421
3120603	3120603
3120621	3120621
3121203	3121203
3121221	3121221
3121803	3121803
3121821	3121821
3124821	3124821
3134403	3134403
3134421	3134421
3220803	3220803
3220821	3220821
3222203	3222203
3222221	3222221
3225603	3225603
3225621	3225621
3228603	3228603
3228621	3228621
3228803	3228803
3228821	3228821
3230003	3230003
3230021	3230021
3231603	3231603
3231621	3231621
3232603	3232603
3232621	3232621
3233203	3233203
3233221	3233221
3236603	3236603
3236621	3236621
3237403	3237403
3237421	3237421

3237603	3237603
3237621	3237621
3238803	3238803
3238821	3238821
3239403	3239403
3239421	3239421
3239621	3239621
3240403	3240403
3240421	3240421
3240603	3240603
3240621	3240621
3242403	3242403
3242421	3242421
3243203	3243203
3243221	3243221

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
2	2
3	3
4	4

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
Barley	Barley
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

CATEGORIES

Value	Category
2015-01-13	2015-01-13
2015-04-01	2015-04-01
2015-04-10	2015-04-10
2015-04-20	2015-04-20
2015-05-01	2015-05-01
2015-05-02	2015-05-02
2015-05-04	2015-05-04
2015-05-05	2015-05-05
2015-05-07	2015-05-07
2015-05-08	2015-05-08
2015-05-09	2015-05-09
2015-05-10	2015-05-10
2015-05-12	2015-05-12
2015-05-13	2015-05-13
2015-05-14	2015-05-14
2015-05-15	2015-05-15
2015-05-18	2015-05-18
2015-05-20	2015-05-20
2015-05-21	2015-05-21
2015-05-26	2015-05-26
2015-05-29	2015-05-29

2015-05-31	2015-05-31
2015-06-01	2015-06-01
2015-06-03	2015-06-03
2015-06-04	2015-06-04
2015-06-05	2015-06-05
2015-06-06	2015-06-06
2015-06-23	2015-06-23
2015-06-24	2015-06-24
2015-06-25	2015-06-25
2015-06-28	2015-06-28
2015-07-01	2015-07-01
2015-07-02	2015-07-02
2015-07-07	2015-07-07
2015-07-09	2015-07-09
2015-07-12	2015-07-12
2015-07-13	2015-07-13
2015-07-15	2015-07-15
2015-07-25	2015-07-25
2015-07-27	2015-07-27
2015-08-01	2015-08-01
2015-08-07	2015-08-07
2015-08-11	2015-08-11
2015-08-15	2015-08-15
2015-08-20	2015-08-20
2015-08-22	2015-08-22
2015-08-27	2015-08-27
2015-08-28	2015-08-28
2015-09-01	2015-09-01
2015-09-02	2015-09-02
2015-09-03	2015-09-03
2015-09-19	2015-09-19

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: 20 - 200 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 - 80 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 10 - 46 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 - 40 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 - 25 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2015 - 2016 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

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
AustraliaBarley1	AustraliaBarley1
AustraliaWheat1	AustraliaWheat1

COUNTRY: Country**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Australia	Australia

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
3120203	3120203
3120221	3120221
3120603	3120603
3120621	3120621
3121203	3121203
3121221	3121221
3121821	3121821
3134403	3134403
3134421	3134421

3220803	3220803
3220821	3220821
3222203	3222203
3222221	3222221
3225603	3225603
3225621	3225621
3228603	3228603
3228621	3228621
3228803	3228803
3228821	3228821
3230003	3230003
3230021	3230021
3231603	3231603
3231621	3231621
3233203	3233203
3233221	3233221
3235203	3235203
3235221	3235221
3236603	3236603
3236621	3236621
3237403	3237403
3237421	3237421
3237603	3237603
3237621	3237621
3238803	3238803
3238821	3238821
3239403	3239403
3239421	3239421
3239621	3239621
3240403	3240403
3240421	3240421
3242403	3242403
3242421	3242421
3243203	3243203
3243221	3243221
3250103	3250103
3250121	3250121
3250203	3250203
3250221	3250221

PRODUCT: Unique code of a product that was applied**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

CROP: The crop of focus**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Barley	Barley
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: 50 - 100 Format: Numeric

Q233C_A: Q233C. a. Timing of product application**Data file: seed_treatment****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2015-01-12	2015-01-12
2015-01-17	2015-01-17
2015-01-20	2015-01-20
2015-02-03	2015-02-03
2015-02-10	2015-02-10
2015-02-20	2015-02-20
2015-03-01	2015-03-01
2015-03-02	2015-03-02
2015-03-05	2015-03-05
2015-03-10	2015-03-10
2015-03-15	2015-03-15
2015-03-20	2015-03-20
2015-03-24	2015-03-24
2015-03-25	2015-03-25
2015-03-31	2015-03-31
2015-04-10	2015-04-10
2015-04-20	2015-04-20
2015-05-01	2015-05-01
2015-05-03	2015-05-03
2015-05-07	2015-05-07
2015-05-08	2015-05-08
2015-05-11	2015-05-11
2015-05-13	2015-05-13
2015-05-14	2015-05-14
2015-05-17	2015-05-17
2015-05-18	2015-05-18
2015-05-20	2015-05-20
2015-05-21	2015-05-21
2015-05-26	2015-05-26
2015-12-20	2015-12-20

2016-01-15	2016-01-15
2016-02-01	2016-02-01
2016-02-14	2016-02-14
2016-02-15	2016-02-15
2016-02-27	2016-02-27
2016-02-28	2016-02-28
2016-03-01	2016-03-01
2016-03-15	2016-03-15
2016-03-28	2016-03-28
2016-04-01	2016-04-01
2016-04-08	2016-04-08
2016-04-10	2016-04-10
2016-04-25	2016-04-25
2016-05-13	2016-05-13
2016-05-22	2016-05-22
2016-06-01	2016-06-01
2016-12-20	2016-12-20

Q233C_B: Q233C. b.Type of product

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q233C_C: Q233C. c. Brand product name

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q233C_C2: Q233C. c2. Brand product formulation

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C233C_C: CODED VARIABLE - stringcode

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C233CA1: CODED VARIABLE - active ingredient1

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
CHLOREPYROPHOS	CHLOREPYROPHOS
CHLORPYRIFOS ETHYL	CHLORPYRIFOS ETHYL
CYPERMETHRIN	CYPERMETHRIN
DIFENOCONAZOLE	DIFENOCONAZOLE
DIURON	DIURON
Do not know	Do not know
GLYPHOSATE	GLYPHOSATE
GLYPHOSATE-POTASSIUM-SALT	GLYPHOSATE-POTASSIUM-SALT
IMAZAMOX-AMMONIUM	IMAZAMOX-AMMONIUM
IMIDACLOPRID	IMIDACLOPRID
IPCONAZOLE	IPCONAZOLE
MCPA	MCPA
METRIBUZIN	METRIBUZIN
N-METHYLPYRR	N-METHYLPYRR
OXYFLUORFEN	OXYFLUORFEN
PARAQUAT	PARAQUAT
PROTHIOCONAZOLE?	PROTHIOCONAZOLE
S-METOLACHLOR	S-METOLACHLOR
SEDAXANE	SEDAXANE
TEBUCONAZOLE	TEBUCONAZOLE
TRIADIMENOL	TRIADIMENOL
TRIALATE	TRIALATE
TRIFLURALIN	TRIFLURALIN

C233CP1: CODED VARIABLE - amount of ai1

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.4 - 960 Format: Numeric

C233CU1: CODED VARIABLE - unit (% or Gr)

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
%	%
g/l	g/l

C233CA2: CODED VARIABLE - active ingredient2

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
CYPERMETHRIN	CYPERMETHRIN
DIFENOCONAZOLE	DIFENOCONAZOLE
DIFLUFENIKAN	DIFLUFENIKAN
DIQUAT	DIQUAT
FLUTRIAFOL	FLUTRIAFOL
IMAZAPYR-IPA-SALT	IMAZAPYR-IPA-SALT
METALAXIL	METALAXIL
TEBUCONAZOLE	TEBUCONAZOLE
THIAMETHOXAM	THIAMETHOXAM
TRIADIMENOL	TRIADIMENOL
TRIFLUMERON	TRIFLUMERON

C233CP2: CODED VARIABLE - amount of ai2

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0
 Type: Continuous Decimal: 0 Width: 10 Range: 2.5 - 150 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
METALAXIL-M	METALAXIL-M

C233CP3: CODED VARIABLE - amount of ai3**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 9.5 - 16.5 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
SEDAXANE	SEDAXANE

C233CP4: CODED VARIABLE - amount of ai4**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 8 - 8 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 - 51 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	100
2	120
3	48
4	1
5	70
6	0.5
7	180
8	2.5
9	200
10	99
11	1.8
12	400
13	50
14	60
15	300
16	1.3
17	80
18	500
19	3000
20	2000
21	250
22	1000
23	2500
24	1500
25	0.1
26	1.2
27	350
28	135

29	75
30	1200
31	72
32	90
33	240
34	0.15
35	98
36	63
37	216
38	145
39	1600
40	1700
41	1400
42	108
43	61.5
44	91
45	117
46	112
47	96
48	168
49	126
50	32.4
51	165

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
GRAM/HECT	GRAM/HECT
MILLILITER/HECT	MILLILITER/HECT
ML/KG	ML/KG

Q233C_F: Q233C. f. PRODUCT 1: Amount of H2O solved in LITERS per**Data file: seed_treatment****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.05 - 100 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
Annual Ryegrass,Black Oats,Barley Grass,Capeweed,Mustard Shepherds Purse Lucerne	Annual Ryegrass,Black Oats,Barley Grass,Capeweed,Mustard Shepherds Purse Lucerne
Aphids	Aphids
Aphids Take All, Rust, Rizatonia, Smuts And Butts	Aphids Take All, Rust, Rizatonia, Smuts And Butts
Aphids, Red Legged Earth Mite, Lucerne Flea	Aphids, Red Legged Earth Mite, Lucerne Flea
Aphids, Smutts And Butts	Aphids, Smutts And Butts
Bunt And Smut	Bunt And Smut
Bunt, Flag Smut, Loose Smut, Weevils.	Bunt, Flag Smut, Loose Smut, Weevils.
Common Bunt,Flag Smut,Loose Smut,Pythium Root Rot	Common Bunt,Flag Smut,Loose Smut,Pythium Root Rot
Covered Smut,Loose Smut,Net Blotch,Pythium Root Rot	Covered Smut,Loose Smut,Net Blotch,Pythium Root Rot
Crown Rot, Take All	Crown Rot, Take All
Don't know	Don't know
Don't know / no answer	Don't know / no answer
Doublegees	Doublegees
Fungus	Fungus
GENERAL DISEASE/INHIBITOR/ROOT GROWTH PROMOTION	GENERAL DISEASE/INHIBITOR/ROOT GROWTH PROMOTION
GERANIUM/BARLEY GRASS/CLOVER	GERANIUM/BARLEY GRASS/CLOVER
Grain Weevils	Grain Weevils
Grasses	Grasses
Hairy Panic	Hairy Panic
Hairy Panic,Goosefoot,Camel Melons,Heliotrope,Lucerne	Hairy Panic,Goosefoot,Camel Melons,Heliotrope,Lucerne
Hairy Panic,Heliotrope	Hairy Panic,Heliotrope
Knockdown	Knockdown

Net Blotch Pythium	Net Blotch Pythium
Net Blotch, Smuts And Suppression Of Rhizoctonia Root Rot	Net Blotch, Smuts And Suppression Of Rhizoctonia Root Rot
Net boltch, pythium, smut and bunts.	Net boltch, pythium, smut and bunts.
Pythium, Bunts Smuts	Pythium, Bunts Smuts
Pythium, Bunts smuts	Pythium, Bunts smuts
Pythium, loose smut and Bunts	Pythium, loose smut and Bunts
RED LEGGED EARTH MITE/APHIDS/BLUE OAT MITE/WIREWORM	RED LEGGED EARTH MITE/APHIDS/BLUE OAT MITE/WIREWORM
RED LEGGED EARTH MITE/APHIDS/BLUE OAT MITES/WIREWORM	RED LEGGED EARTH MITE/APHIDS/BLUE OAT MITES/WIREWORM
RUST SMUT BUNTS	RUST SMUT BUNTS
Radish	Radish
Red leg earth mites / aphids	Red leg earth mites / aphids
Rhizoctonia	Rhizoctonia
Rhizoctonia Primarily And Smuts And Bunts.	Rhizoctonia Primarily And Smuts And Bunts.
Rhizoctonia root rot common bunt n smut	Rhizoctonia root rot common bunt n smut
Rhizoctonia,smut.	Rhizoctonia,smut.
Rhizotomy/Net Blotch	Rhizotomy/Net Blotch
Rhiztonia Primarily But Also Bunts And Smuts.	Rhiztonia Primarily But Also Bunts And Smuts.
Rust/Take All	Rust/Take All
Ryegrass	Ryegrass
SMUT	SMUT
SMUT/CROWN ROT/BUNTS	SMUT/CROWN ROT/BUNTS
SMUTS BUNTS	SMUTS BUNTS
SMUTS BUNTS /SCALD ROOT DISEASE	SMUTS BUNTS /SCALD ROOT DISEASE
Smut	Smut
Smut And Bunt	Smut And Bunt
Smut Burst Rhizoctonia	Smut Burst Rhizoctonia
Smut rhizoctonia	Smut rhizoctonia
Smut, Bunt.	Smut, Bunt.
Smuts And Bunts And Suppresion Of Rhizoctonia Root Rot	Smuts And Bunts And Suppresion Of Rhizoctonia Root Rot
Smuts and Bunts	Smuts and Bunts
Smuts and bunts	Smuts and bunts
Smuts, Powdery Mildew, Weevils	Smuts, Powdery Mildew, Weevils
Smutt/Bunts	Smutt/Bunts
Smutt/Bunts/	Smutt/Bunts/
Thrip, Aphids And Other Soil Pests.	Thrip, Aphids And Other Soil Pests.
Thrips Aphids And Soil Pests Generally.	Thrips Aphids And Soil Pests Generally.
WEBWORM	WEBWORM
WEEVILS	WEEVILS

all of above	all of above
all of abovetoad toad rush, ryegrass	all of abovetoad toad rush, ryegrass
annual Ryegrass,Black Oats	annual Ryegrass,Black Oats
ryegrass	ryegrass
self sown canola, capeweed, wild radish	self sown canola, capeweed, wild radish
smut	smut
smut n bunt rhizoctonia root rot	smut n bunt rhizoctonia root rot
smuts	smuts
smuts and bunts	smuts and bunts
smuts and butts	smuts and butts
toad rush, ryegrass	toad rush, ryegrass
wild oats, ryegrass	wild oats, ryegrass
wild oats,ryegrass	wild oats,ryegrass
wild radish, colver, thistles	wild radish, colver, thistles

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

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Yes
2	No

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2014 - 2016 Format: Numeric

REGION: Syngenta's definition of Region**Data file:** Farm_level_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
apac	apac

TERRITORY: Syngenta's definition of Territory**Data file:** Farm_level_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
australasia	australasia

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

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
australiabarley1	australiabarley1
australiawheat1	australiawheat1

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
Australia	Australia

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
3120003	3120003
3120021	3120021
3120203	3120203
3120221	3120221
3120403	3120403
3120421	3120421
3120603	3120603
3120621	3120621
3121003	3121003
3121021	3121021
3121203	3121203
3121221	3121221
3121803	3121803
3121821	3121821
3124821	3124821
3134403	3134403
3134421	3134421
3220803	3220803
3220821	3220821
3222203	3222203
3222221	3222221

3225603	3225603
3225621	3225621
3226403	3226403
3226421	3226421
3226803	3226803
3226821	3226821
3228603	3228603
3228621	3228621
3228803	3228803
3228821	3228821
3230003	3230003
3230021	3230021
3231603	3231603
3231621	3231621
3232203	3232203
3232221	3232221
3232603	3232603
3232621	3232621
3233203	3233203
3233221	3233221
3234003	3234003
3234021	3234021
3235203	3235203
3235221	3235221
3236203	3236203
3236221	3236221
3236403	3236403
3236421	3236421
3236603	3236603
3236621	3236621
3236803	3236803
3236821	3236821
3237403	3237403
3237421	3237421
3237603	3237603
3237621	3237621
3238203	3238203
3238221	3238221
3238803	3238803

3238821	3238821
3239403	3239403
3239421	3239421
3239603	3239603
3239621	3239621
3240403	3240403
3240421	3240421
3240603	3240603
3240621	3240621
3241003	3241003
3241021	3241021
3241403	3241403
3241421	3241421
3241603	3241603
3241621	3241621
3242203	3242203
3242221	3242221
3242403	3242403
3242421	3242421
3243203	3243203
3243221	3243221
3243403	3243403
3243421	3243421
3250003	3250003
3250021	3250021
3250103	3250103
3250121	3250121
3250203	3250203
3250221	3250221

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
barley	barley
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: 12 - 2500 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: 80 - 2500 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: 164 - 10000 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: 0.45 - 8.1 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: 0.192307692307692 - 6.66666666666667 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 - 84 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 - 103.157894736842 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 - 13.3333333333333 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: 1.81818181818182 - 114.285714285714 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: 0.00321428571428571 - 3.98733333333333 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 - 3.91788888888889 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 - 0.710923076923077 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 - 0.393 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 - 7.2875 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: 0.0208 - 3.51190476190476 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: 0.0134883720930233 - 2.41666666666667 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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Received a complete crop program
2	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
2013-01-01	2013-01-01
2013-07-20	2013-07-20
2013-08-20	2013-08-20
2013-08-31	2013-08-31
2013-09-24	2013-09-24
2013-12-01	2013-12-01
2013-12-12	2013-12-12
2014-01-01	2014-01-01
2014-01-04	2014-01-04
2014-01-05	2014-01-05
2014-01-14	2014-01-14
2014-01-29	2014-01-29
2014-02-01	2014-02-01
2014-02-10	2014-02-10
2014-02-20	2014-02-20
2014-02-22	2014-02-22
2014-03-01	2014-03-01
2014-03-02	2014-03-02
2014-03-13	2014-03-13
2014-03-15	2014-03-15
2014-03-20	2014-03-20
2014-03-25	2014-03-25
2014-03-30	2014-03-30
2014-04-01	2014-04-01
2014-04-09	2014-04-09
2014-04-10	2014-04-10
2014-04-15	2014-04-15
2014-04-20	2014-04-20
2014-04-21	2014-04-21
2014-04-26	2014-04-26
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02
2014-05-10	2014-05-10
2014-05-12	2014-05-12

2014-05-13	2014-05-13
2014-05-15	2014-05-15
2014-05-18	2014-05-18
2014-05-19	2014-05-19
2014-05-20	2014-05-20
2014-05-21	2014-05-21
2014-05-23	2014-05-23
2014-05-25	2014-05-25
2014-05-26	2014-05-26
2014-06-05	2014-06-05
2014-08-10	2014-08-10
2014-10-10	2014-10-10
2014-12-15	2014-12-15
2015-01-01	2015-01-01
2015-01-10	2015-01-10
2015-01-12	2015-01-12
2015-01-13	2015-01-13
2015-01-15	2015-01-15
2015-01-16	2015-01-16
2015-01-20	2015-01-20
2015-01-30	2015-01-30
2015-02-01	2015-02-01
2015-02-17	2015-02-17
2015-03-01	2015-03-01
2015-03-03	2015-03-03
2015-03-10	2015-03-10
2015-03-15	2015-03-15
2015-04-05	2015-04-05
2015-04-11	2015-04-11
2015-04-20	2015-04-20
2015-05-01	2015-05-01
2015-05-02	2015-05-02
2015-05-03	2015-05-03
2015-05-04	2015-05-04
2015-05-08	2015-05-08
2015-05-13	2015-05-13
2015-05-15	2015-05-15
2015-05-17	2015-05-17
2015-05-20	2015-05-20

2015-05-23	2015-05-23
2015-05-29	2015-05-29
2016-01-01	2016-01-01
2016-01-07	2016-01-07
2016-01-15	2016-01-15
2016-02-01	2016-02-01
2016-02-02	2016-02-02
2016-02-07	2016-02-07
2016-02-13	2016-02-13
2016-02-15	2016-02-15
2016-02-18	2016-02-18
2016-03-28	2016-03-28
2016-04-15	2016-04-15
2016-04-27	2016-04-27
2016-05-03	2016-05-03
2016-05-05	2016-05-05
2016-05-07	2016-05-07
2016-05-10	2016-05-10
2016-05-16	2016-05-16
2016-05-22	2016-05-22
2016-05-30	2016-05-30
2016-06-01	2016-06-01
2016-06-10	2016-06-10
2016-09-09	2016-09-09

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

Value	Category
2014-04-01	2014-04-01
2014-04-10	2014-04-10
2014-04-14	2014-04-14

2014-04-24	2014-04-24
2014-04-25	2014-04-25
2014-04-26	2014-04-26
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02
2014-05-04	2014-05-04
2014-05-05	2014-05-05
2014-05-06	2014-05-06
2014-05-07	2014-05-07
2014-05-09	2014-05-09
2014-05-10	2014-05-10
2014-05-11	2014-05-11
2014-05-12	2014-05-12
2014-05-13	2014-05-13
2014-05-14	2014-05-14
2014-05-15	2014-05-15
2014-05-16	2014-05-16
2014-05-17	2014-05-17
2014-05-18	2014-05-18
2014-05-19	2014-05-19
2014-05-20	2014-05-20
2014-05-21	2014-05-21
2014-05-22	2014-05-22
2014-05-24	2014-05-24
2014-05-25	2014-05-25
2014-05-26	2014-05-26
2014-05-29	2014-05-29
2014-05-30	2014-05-30
2014-06-05	2014-06-05
2014-06-11	2014-06-11
2014-06-15	2014-06-15
2014-08-12	2014-08-12
2015-04-10	2015-04-10
2015-04-25	2015-04-25
2015-04-28	2015-04-28
2015-05-01	2015-05-01
2015-05-02	2015-05-02
2015-05-03	2015-05-03

2015-05-04	2015-05-04
2015-05-05	2015-05-05
2015-05-06	2015-05-06
2015-05-07	2015-05-07
2015-05-08	2015-05-08
2015-05-09	2015-05-09
2015-05-10	2015-05-10
2015-05-12	2015-05-12
2015-05-13	2015-05-13
2015-05-14	2015-05-14
2015-05-15	2015-05-15
2015-05-16	2015-05-16
2015-05-18	2015-05-18
2015-05-20	2015-05-20
2015-05-21	2015-05-21
2015-05-22	2015-05-22
2015-05-23	2015-05-23
2015-05-26	2015-05-26
2015-05-30	2015-05-30
2015-05-31	2015-05-31
2015-06-01	2015-06-01
2015-06-03	2015-06-03
2015-06-06	2015-06-06
2015-06-07	2015-06-07
2015-06-08	2015-06-08
2015-06-15	2015-06-15
2015-06-16	2015-06-16
2016-03-28	2016-03-28
2016-04-24	2016-04-24
2016-04-26	2016-04-26
2016-04-29	2016-04-29
2016-05-01	2016-05-01
2016-05-03	2016-05-03
2016-05-04	2016-05-04
2016-05-05	2016-05-05
2016-05-06	2016-05-06
2016-05-07	2016-05-07
2016-05-10	2016-05-10
2016-05-15	2016-05-15

2016-05-16	2016-05-16
2016-05-18	2016-05-18
2016-05-20	2016-05-20
2016-05-22	2016-05-22
2016-05-30	2016-05-30
2016-06-01	2016-06-01
2016-06-10	2016-06-10

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

Value	Category
2014-02-16	2014-02-16
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-13	2014-11-13
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-18	2014-11-18
2014-11-20	2014-11-20
2014-11-21	2014-11-21
2014-11-23	2014-11-23
2014-11-24	2014-11-24
2014-11-25	2014-11-25

2014-11-26	2014-11-26
2014-11-27	2014-11-27
2014-11-28	2014-11-28
2014-11-29	2014-11-29
2014-12-01	2014-12-01
2014-12-02	2014-12-02
2014-12-03	2014-12-03
2014-12-08	2014-12-08
2014-12-10	2014-12-10
2014-12-12	2014-12-12
2014-12-13	2014-12-13
2014-12-15	2014-12-15
2014-12-18	2014-12-18
2014-12-23	2014-12-23
2015-10-01	2015-10-01
2015-10-30	2015-10-30
2015-11-02	2015-11-02
2015-11-05	2015-11-05
2015-11-06	2015-11-06
2015-11-10	2015-11-10
2015-11-13	2015-11-13
2015-11-14	2015-11-14
2015-11-15	2015-11-15
2015-11-16	2015-11-16
2015-11-17	2015-11-17
2015-11-18	2015-11-18
2015-11-19	2015-11-19
2015-11-20	2015-11-20
2015-11-21	2015-11-21
2015-11-23	2015-11-23
2015-11-25	2015-11-25
2015-11-26	2015-11-26
2015-11-27	2015-11-27
2015-11-28	2015-11-28
2015-11-29	2015-11-29
2015-11-30	2015-11-30
2015-12-01	2015-12-01
2015-12-02	2015-12-02
2015-12-05	2015-12-05

2015-12-07	2015-12-07
2015-12-08	2015-12-08
2015-12-10	2015-12-10
2015-12-12	2015-12-12
2016-11-01	2016-11-01
2016-11-21	2016-11-21
2016-11-24	2016-11-24
2016-11-30	2016-11-30
2016-12-01	2016-12-01
2016-12-02	2016-12-02
2016-12-05	2016-12-05
2016-12-06	2016-12-06
2016-12-10	2016-12-10
2016-12-13	2016-12-13
2016-12-20	2016-12-20
2016-12-21	2016-12-21
2017-01-05	2017-01-05
2017-01-20	2017-01-20

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

Value	Category
2014-02-18	2014-02-18
2014-11-02	2014-11-02
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10

2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-16	2014-11-16
2014-11-17	2014-11-17
2014-11-19	2014-11-19
2014-11-20	2014-11-20
2014-11-21	2014-11-21
2014-11-23	2014-11-23
2014-11-24	2014-11-24
2014-11-25	2014-11-25
2014-11-26	2014-11-26
2014-11-28	2014-11-28
2014-11-29	2014-11-29
2014-11-30	2014-11-30
2014-12-01	2014-12-01
2014-12-04	2014-12-04
2014-12-08	2014-12-08
2014-12-09	2014-12-09
2014-12-10	2014-12-10
2014-12-12	2014-12-12
2014-12-13	2014-12-13
2014-12-14	2014-12-14
2014-12-15	2014-12-15
2014-12-16	2014-12-16
2014-12-24	2014-12-24
2015-10-02	2015-10-02
2015-10-30	2015-10-30
2015-11-02	2015-11-02
2015-11-06	2015-11-06
2015-11-10	2015-11-10
2015-11-14	2015-11-14
2015-11-15	2015-11-15
2015-11-17	2015-11-17
2015-11-18	2015-11-18
2015-11-20	2015-11-20
2015-11-21	2015-11-21
2015-11-22	2015-11-22

2015-11-23	2015-11-23
2015-11-25	2015-11-25
2015-11-26	2015-11-26
2015-11-27	2015-11-27
2015-11-28	2015-11-28
2015-11-29	2015-11-29
2015-11-30	2015-11-30
2015-12-01	2015-12-01
2015-12-02	2015-12-02
2015-12-06	2015-12-06
2015-12-07	2015-12-07
2015-12-08	2015-12-08
2015-12-10	2015-12-10
2015-12-11	2015-12-11
2015-12-12	2015-12-12
2016-11-01	2016-11-01
2016-11-21	2016-11-21
2016-11-25	2016-11-25
2016-11-30	2016-11-30
2016-12-01	2016-12-01
2016-12-02	2016-12-02
2016-12-05	2016-12-05
2016-12-07	2016-12-07
2016-12-10	2016-12-10
2016-12-11	2016-12-11
2016-12-13	2016-12-13
2016-12-20	2016-12-20
2016-12-21	2016-12-21
2016-12-22	2016-12-22
2017-01-07	2017-01-07
2017-01-23	2017-01-23

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
australasia	australasia

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
Australia	Australia

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
australiabarley1	australiabarley1
australiawheat1	australiawheat1

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
3120003	3120003
3120021	3120021
3120203	3120203
3120221	3120221
3120403	3120403
3120421	3120421
3120603	3120603
3120621	3120621
3121003	3121003
3121021	3121021
3121203	3121203
3121221	3121221
3121803	3121803
3121821	3121821
3124821	3124821
3134403	3134403
3134421	3134421
3220803	3220803
3220821	3220821
3222203	3222203
3222221	3222221
3225603	3225603
3225621	3225621
3226403	3226403
3226421	3226421
3226803	3226803
3226821	3226821
3228603	3228603
3228621	3228621
3228803	3228803

3228821	3228821
3230003	3230003
3230021	3230021
3231603	3231603
3231621	3231621
3232203	3232203
3232221	3232221
3232603	3232603
3232621	3232621
3233203	3233203
3233221	3233221
3234003	3234003
3234021	3234021
3235203	3235203
3235221	3235221
3236203	3236203
3236221	3236221
3236403	3236403
3236421	3236421
3236603	3236603
3236621	3236621
3236803	3236803
3236821	3236821
3237403	3237403
3237421	3237421
3237603	3237603
3237621	3237621
3238203	3238203
3238221	3238221
3238803	3238803
3238821	3238821
3239403	3239403
3239421	3239421
3239603	3239603
3239621	3239621
3240403	3240403
3240421	3240421
3240603	3240603
3240621	3240621

3241003	3241003
3241021	3241021
3241403	3241403
3241421	3241421
3241603	3241603
3241621	3241621
3242203	3242203
3242221	3242221
3242403	3242403
3242421	3242421
3243203	3243203
3243221	3243221
3243403	3243403
3243421	3243421
3250003	3250003
3250021	3250021
3250103	3250103
3250121	3250121
3250203	3250203
3250221	3250221

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

FARMTYPE: Farmtype

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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	not so useful
2	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
barley	barley
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_4: Q56A2. Growing area changed from previous year- I left my field fallow

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q56A2_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 was measured by a third party	The size indicated was measured by a third party
other specify:	other specify:
the size indicated is based on my own measurement	the size indicated is based on my own measurement

Q4055: Q4055. TON/HEC Yield objective for area A for at beginning of this season?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2.5 - 6.5 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

Q27: Q27. Year of birth

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1924 - 1991 Format: Numeric

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: 6 - 46 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

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no

Q28: Q28. Gender**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	male
2	female

Q31: Q31. Until what age did you go to school?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 10 - 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

Q60: Q60. Do you rotate crops on growing area A for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q61_1: Q61. What crops are you cultivating in rotation? Apples

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_3: Q61. What crops are you cultivating in rotation? Barley

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q61_7: Q61. What crops are you cultivating in rotation? Corn

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q61_10: Q61. What crops are you cultivating in rotation? Oilseed rape

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_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_50: Q61. What crops are you cultivating in rotation? Grass

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_51: Q61. What crops are you cultivating in rotation? Grassland**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

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 - 10 Format: Numeric

Questions and instructions

CATEGORIES

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

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

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q54_1: Q54. Where do you deposit the rest water after spraying? Citerne (phytobac, helioseca, sentinel, biofilter)**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Mentioned
2	Not mentioned

Q54_2: Q54. Where do you deposit the rest water after spraying? In fields**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 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_97: Q54. Where do you deposit the rest water after spraying? Other specify 2:**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_99: Q54. Where do you deposit the rest water after spraying? Don't know / no answer**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
Avoid having rest water	Avoid having rest water
Chemical Pit	Chemical Pit
DESIGNATED DROP OFF POINTS	DESIGNATED DROP OFF POINTS

Diluted and sprayed on paddock	Diluted and sprayed on paddock
FENCE LINE	FENCE LINE
Fire breaks	Fire breaks
RHEALM DRAIN (LICE SEPTIC TANK)	RHEALM DRAIN (LICE SEPTIC TANK)
clay lined evaporation pond	clay lined evaporation pond
internal gravel roads	internal gravel roads
specific non crop area	specific non crop area
store and use	store and use

Q54_OTH2: Q54. Other 2:: 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
INTO DRAIN EVAPORATION PCT	INTO DRAIN EVAPORATION PCT

Q55A_1: Q55a. Where do you clean your sprain equipment? On farm

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q55B_1: Q55b. Where do you dispose the water used for cleaning you equipment? On field

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q55B_2: Q55b. Where do you dispose the water used for cleaning you equipment? Citerne

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q55B_3: Q55b. Where do you dispose the water used for cleaning you equipment? On an unpaved surface

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	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
2013-01-01	2013-01-01
2013-07-20	2013-07-20
2013-08-20	2013-08-20
2013-08-31	2013-08-31
2013-09-24	2013-09-24
2013-12-01	2013-12-01
2013-12-12	2013-12-12
2014-01-01	2014-01-01
2014-01-04	2014-01-04
2014-01-05	2014-01-05
2014-01-14	2014-01-14
2014-01-29	2014-01-29
2014-02-01	2014-02-01
2014-02-10	2014-02-10
2014-02-20	2014-02-20
2014-02-22	2014-02-22

2014-03-01	2014-03-01
2014-03-02	2014-03-02
2014-03-13	2014-03-13
2014-03-15	2014-03-15
2014-03-20	2014-03-20
2014-03-25	2014-03-25
2014-03-30	2014-03-30
2014-04-01	2014-04-01
2014-04-09	2014-04-09
2014-04-10	2014-04-10
2014-04-15	2014-04-15
2014-04-20	2014-04-20
2014-04-21	2014-04-21
2014-04-26	2014-04-26
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02
2014-05-10	2014-05-10
2014-05-12	2014-05-12
2014-05-13	2014-05-13
2014-05-15	2014-05-15
2014-05-18	2014-05-18
2014-05-19	2014-05-19
2014-05-20	2014-05-20
2014-05-21	2014-05-21
2014-05-23	2014-05-23
2014-05-25	2014-05-25
2014-05-26	2014-05-26
2014-06-05	2014-06-05
2016-01-01	2016-01-01
2016-01-07	2016-01-07
2016-01-15	2016-01-15
2016-02-01	2016-02-01
2016-02-02	2016-02-02
2016-02-07	2016-02-07
2016-02-13	2016-02-13
2016-02-15	2016-02-15
2016-02-18	2016-02-18
2016-03-28	2016-03-28

2016-04-15	2016-04-15
2016-04-27	2016-04-27
2016-05-03	2016-05-03
2016-05-05	2016-05-05
2016-05-07	2016-05-07
2016-05-10	2016-05-10
2016-05-16	2016-05-16
2016-05-22	2016-05-22
2016-05-30	2016-05-30
2016-06-01	2016-06-01
2016-06-10	2016-06-10
2016-09-09	2016-09-09

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: 45 - 100 Format: Numeric

Q74: Q74. When was the crop sown / planted for growing area A for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2014-04-01	2014-04-01
2014-04-10	2014-04-10
2014-04-14	2014-04-14
2014-04-24	2014-04-24
2014-04-25	2014-04-25
2014-04-26	2014-04-26
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02

2014-05-04	2014-05-04
2014-05-05	2014-05-05
2014-05-06	2014-05-06
2014-05-07	2014-05-07
2014-05-09	2014-05-09
2014-05-10	2014-05-10
2014-05-11	2014-05-11
2014-05-12	2014-05-12
2014-05-13	2014-05-13
2014-05-14	2014-05-14
2014-05-15	2014-05-15
2014-05-16	2014-05-16
2014-05-17	2014-05-17
2014-05-18	2014-05-18
2014-05-19	2014-05-19
2014-05-20	2014-05-20
2014-05-21	2014-05-21
2014-05-22	2014-05-22
2014-05-24	2014-05-24
2014-05-25	2014-05-25
2014-05-26	2014-05-26
2014-05-29	2014-05-29
2014-05-30	2014-05-30
2014-06-05	2014-06-05
2014-06-11	2014-06-11
2014-06-15	2014-06-15
2014-08-12	2014-08-12
2016-03-28	2016-03-28
2016-04-24	2016-04-24
2016-04-26	2016-04-26
2016-04-29	2016-04-29
2016-05-01	2016-05-01
2016-05-03	2016-05-03
2016-05-04	2016-05-04
2016-05-05	2016-05-05
2016-05-06	2016-05-06
2016-05-07	2016-05-07
2016-05-10	2016-05-10
2016-05-15	2016-05-15

2016-05-16	2016-05-16
2016-05-18	2016-05-18
2016-05-20	2016-05-20
2016-05-22	2016-05-22
2016-05-30	2016-05-30
2016-06-01	2016-06-01
2016-06-10	2016-06-10

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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

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 - 5 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: 1 - 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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	medium
2	high

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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
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1	medium
2	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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	medium
2	low

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: 1 - 4 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: 60 - 600 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 - 1 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
2014-02-16	2014-02-16
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-13	2014-11-13
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-18	2014-11-18
2014-11-20	2014-11-20
2014-11-21	2014-11-21
2014-11-23	2014-11-23
2014-11-24	2014-11-24
2014-11-25	2014-11-25
2014-11-26	2014-11-26
2014-11-27	2014-11-27
2014-11-28	2014-11-28
2014-11-29	2014-11-29
2014-12-01	2014-12-01
2014-12-02	2014-12-02
2014-12-03	2014-12-03
2014-12-08	2014-12-08
2014-12-10	2014-12-10
2014-12-12	2014-12-12

2014-12-13	2014-12-13
2014-12-15	2014-12-15
2014-12-18	2014-12-18
2014-12-23	2014-12-23
2016-11-01	2016-11-01
2016-11-21	2016-11-21
2016-11-24	2016-11-24
2016-11-30	2016-11-30
2016-12-01	2016-12-01
2016-12-02	2016-12-02
2016-12-05	2016-12-05
2016-12-06	2016-12-06
2016-12-10	2016-12-10
2016-12-13	2016-12-13
2016-12-20	2016-12-20
2016-12-21	2016-12-21
2017-01-05	2017-01-05
2017-01-20	2017-01-20

Q243B: Q243. When was the harvest period for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2014-02-18	2014-02-18
2014-11-02	2014-11-02
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10

2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-16	2014-11-16
2014-11-17	2014-11-17
2014-11-19	2014-11-19
2014-11-20	2014-11-20
2014-11-21	2014-11-21
2014-11-23	2014-11-23
2014-11-24	2014-11-24
2014-11-25	2014-11-25
2014-11-26	2014-11-26
2014-11-28	2014-11-28
2014-11-29	2014-11-29
2014-11-30	2014-11-30
2014-12-01	2014-12-01
2014-12-04	2014-12-04
2014-12-08	2014-12-08
2014-12-09	2014-12-09
2014-12-10	2014-12-10
2014-12-12	2014-12-12
2014-12-13	2014-12-13
2014-12-14	2014-12-14
2014-12-15	2014-12-15
2014-12-16	2014-12-16
2014-12-18	2014-12-18
2014-12-24	2014-12-24
2016-11-01	2016-11-01
2016-11-21	2016-11-21
2016-11-25	2016-11-25
2016-11-30	2016-11-30
2016-12-01	2016-12-01
2016-12-02	2016-12-02
2016-12-05	2016-12-05
2016-12-07	2016-12-07
2016-12-10	2016-12-10
2016-12-11	2016-12-11
2016-12-13	2016-12-13

2016-12-20	2016-12-20
2016-12-21	2016-12-21
2016-12-22	2016-12-22
2017-01-07	2017-01-07
2017-01-23	2017-01-23

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	increased
2	decreased

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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	very unsatisfied
2	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 - 0 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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	normal protein content level (about 10%)
2	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
2014-02-16	2014-02-16
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-05	2014-11-05

2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-13	2014-11-13
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-18	2014-11-18
2014-11-20	2014-11-20
2014-11-21	2014-11-21
2014-11-23	2014-11-23
2014-11-24	2014-11-24
2014-11-25	2014-11-25
2014-11-26	2014-11-26
2014-11-27	2014-11-27
2014-11-28	2014-11-28
2014-11-29	2014-11-29
2014-12-01	2014-12-01
2014-12-02	2014-12-02
2014-12-03	2014-12-03
2014-12-08	2014-12-08
2014-12-10	2014-12-10
2014-12-12	2014-12-12
2014-12-13	2014-12-13
2014-12-15	2014-12-15
2014-12-18	2014-12-18
2014-12-23	2014-12-23

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

CATEGORIES

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

2014-12-18	2014-12-18
2014-12-24	2014-12-24

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

2014-12-02	2014-12-02
2014-12-03	2014-12-03
2014-12-08	2014-12-08
2014-12-10	2014-12-10
2014-12-12	2014-12-12
2014-12-13	2014-12-13
2014-12-15	2014-12-15
2014-12-18	2014-12-18
2014-12-23	2014-12-23

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
2014-02-18	2014-02-18
2014-11-02	2014-11-02
2014-11-04	2014-11-04
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-16	2014-11-16
2014-11-17	2014-11-17
2014-11-19	2014-11-19
2014-11-20	2014-11-20
2014-11-21	2014-11-21

2014-11-23	2014-11-23
2014-11-24	2014-11-24
2014-11-25	2014-11-25
2014-11-26	2014-11-26
2014-11-28	2014-11-28
2014-11-29	2014-11-29
2014-11-30	2014-11-30
2014-12-01	2014-12-01
2014-12-04	2014-12-04
2014-12-08	2014-12-08
2014-12-09	2014-12-09
2014-12-10	2014-12-10
2014-12-12	2014-12-12
2014-12-13	2014-12-13
2014-12-14	2014-12-14
2014-12-15	2014-12-15
2014-12-16	2014-12-16
2014-12-18	2014-12-18
2014-12-24	2014-12-24

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
2014-02-16	2014-02-16
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-05	2014-11-05
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-08	2014-11-08
2014-11-09	2014-11-09

2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-13	2014-11-13
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-18	2014-11-18
2014-11-20	2014-11-20
2014-11-21	2014-11-21
2014-11-23	2014-11-23
2014-11-24	2014-11-24
2014-11-25	2014-11-25
2014-11-26	2014-11-26
2014-11-27	2014-11-27
2014-11-28	2014-11-28
2014-11-29	2014-11-29
2014-12-01	2014-12-01
2014-12-02	2014-12-02
2014-12-03	2014-12-03
2014-12-08	2014-12-08
2014-12-10	2014-12-10
2014-12-12	2014-12-12
2014-12-13	2014-12-13
2014-12-15	2014-12-15
2014-12-18	2014-12-18
2014-12-23	2014-12-23

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2014-02-18	2014-02-18

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

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 - 0 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 - 5 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: 95 - 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

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: 60 - 10380 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: 600 - 160000 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: 95 - 1200 Format: Numeric

Q4111_1: Q4111. Actual costs SEEDS for ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 50 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: 100 - 220 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: 30 - 120 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 - 60 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: 40 - 132 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 - 0 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 - 50 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 - 0 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 - 0 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 - 0 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 - 110 Format: Numeric

Q381_1: Q381. Percentage of TREES/SEED costs out of the total input cost for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q381_2: Q381. Percentage of FERTILIZERS costs out of the total input cost for ?**Data file:** Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 65 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 - 45 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 - 60 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 - 50 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 - 50 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 - 28 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 - 5 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 - 15 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 - 79 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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

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

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 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	the same as usual
2	somewhat lower than usual
3	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

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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

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

2	irrigated using irrigation equipment (e.g. rain,
---	--------------------------------------------------

Q390: Q390. What is the number of days you have been irrigating ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Q392: Q392. What is the amount of liters that is discharged per hour of ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 583 - 583 Format: Numeric

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

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2014 - 2016 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
2013-01-01	2013-01-01
2013-07-20	2013-07-20
2013-08-20	2013-08-20
2013-08-31	2013-08-31
2013-09-24	2013-09-24
2013-12-01	2013-12-01
2013-12-12	2013-12-12
2014-01-01	2014-01-01
2014-01-04	2014-01-04
2014-01-05	2014-01-05
2014-01-14	2014-01-14
2014-01-29	2014-01-29
2014-02-01	2014-02-01
2014-02-10	2014-02-10
2014-02-20	2014-02-20
2014-02-22	2014-02-22
2014-03-01	2014-03-01
2014-03-02	2014-03-02
2014-03-13	2014-03-13
2014-03-15	2014-03-15
2014-03-20	2014-03-20
2014-03-25	2014-03-25
2014-03-30	2014-03-30

2014-04-01	2014-04-01
2014-04-09	2014-04-09
2014-04-10	2014-04-10
2014-04-15	2014-04-15
2014-04-20	2014-04-20
2014-04-21	2014-04-21
2014-04-26	2014-04-26
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02
2014-05-10	2014-05-10
2014-05-12	2014-05-12
2014-05-13	2014-05-13
2014-05-15	2014-05-15
2014-05-18	2014-05-18
2014-05-19	2014-05-19
2014-05-20	2014-05-20
2014-05-21	2014-05-21
2014-05-23	2014-05-23
2014-05-25	2014-05-25
2014-05-26	2014-05-26
2014-06-05	2014-06-05

Q218: Q218. When have the young plants been planted for cauliflower?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2014-04-01	2014-04-01
2014-04-10	2014-04-10
2014-04-14	2014-04-14
2014-04-24	2014-04-24
2014-04-25	2014-04-25

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

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_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

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
-	-
ADJUST METHODS AND KEEP ASSESSING CROP ACCORDING TO CONDITIONS HE IS THE EXPERT 75 AGRO AND 25 MYSELF	ADJUST METHODS AND KEEP ASSESSING CROP ACCORDING TO CONDITIONS HE IS THE EXPERT 75 AGRO AND 25 MYSELF
ADJUST METHODS SEASONALLY ACCORDINGLY HE IS THE EXPERT	ADJUST METHODS SEASONALLY ACCORDINGLY HE IS THE EXPERT
AGRONOMIST IS A TRAINED PROFESSIONAL WHO IS PAID FOR THE EXPERTISE	AGRONOMIST IS A TRAINED PROFESSIONAL WHO IS PAID FOR THE EXPERTISE
As for B1	As for B1
BECAUSE THE AGRONOMIST KNOWS WHAT HE'S TALKING ABOUT AND WE CAN SEE THE SENSE IN THE PLAN	BECAUSE THE AGRONOMIST KNOWS WHAT HE'S TALKING ABOUT AND WE CAN SEE THE SENSE IN THE PLAN
BEST ADVICE/ BEST CHANCE OF SUCCESS	BEST ADVICE/ BEST CHANCE OF SUCCESS
BEST CHEMICAL ADVICE TO KILL WEEDS TO INCREASE YIELD	BEST CHEMICAL ADVICE TO KILL WEEDS TO INCREASE YIELD
BEST PRACTICE	BEST PRACTICE
CAUSE THATS THE RECOMMENDATION BASED ON THE DATA	CAUSE THATS THE RECOMMENDATION BASED ON THE DATA
CHEMICAL ADVICE TO KILL WEEDS TO INCREASE YIELD	CHEMICAL ADVICE TO KILL WEEDS TO INCREASE YIELD
DUE TO THE CONDITIONS THIS SEASON RYE GRASS NUMBERS WERE LOW, THUS NO AXIAL NEEDED. TIGHT FINISH TO SEASON THUS NO FUNGICIDE (AMISTAR XTRA) NEEDED	DUE TO THE CONDITIONS THIS SEASON RYE GRASS NUMBERS WERE LOW, THUS NO AXIAL NEEDED. TIGHT FINISH TO SEASON THUS NO FUNGICIDE (AMISTAR XTRA) NEEDED
GOT THE TRAINING SCIENTIFIC INFORMATION THEY HAVE THE KNOW HOW	GOT THE TRAINING SCIENTIFIC INFORMATION THEY HAVE THE KNOW HOW
HE IS OUR LOCAL AGRONOMIST AND WE USE HIM TO HELP US WITH THE NUTRITIONAL REQUIREMENTS OF THE CROPS AND ALSO WEED CONTROL, AND OVERALL HEALTH OF THE CROPS	HE IS OUR LOCAL AGRONOMIST AND WE USE HIM TO HELP US WITH THE NUTRITIONAL REQUIREMENTS OF THE CROPS AND ALSO WEED CONTROL, AND OVERALL HEALTH OF THE CROPS
HE IS OUR LOCAL AGRONOMIST AND WE USE HIM TO HELP US WITH THE NUTRITIONAL REQUIREMENTS OF THE CROPS AND ALSO WEED CONTROL, AND OVERALL HEALTH OF THE CROPS.	HE IS OUR LOCAL AGRONOMIST AND WE USE HIM TO HELP US WITH THE NUTRITIONAL REQUIREMENTS OF THE CROPS AND ALSO WEED CONTROL, AND OVERALL HEALTH OF THE CROPS.
I HAVE A PAID AGRONOMIST TO ASSIST IN DECISION MAKING FOR INPUTS, TIMING, PRODUCTS USED. ALTHOUGH I HAVE THE FINAL SAY.	I HAVE A PAID AGRONOMIST TO ASSIST IN DECISION MAKING FOR INPUTS, TIMING, PRODUCTS USED. ALTHOUGH I HAVE THE FINAL SAY.
I HAVE A PAID CONSULTANT AND I TRUST HIM TO MAXIMISE YIELD	I HAVE A PAID CONSULTANT AND I TRUST HIM TO MAXIMISE YIELD
I'M PAYING ADVICE THEY HAVE MORE TECHNICAL BROADER KNOWLEDGE. PAY AGRONOMIST TO DO TASKS I HAVEN'T GOT TIME TO DO	I'M PAYING ADVICE THEY HAVE MORE TECHNICAL BROADER KNOWLEDGE. PAY AGRONOMIST TO DO TASKS I HAVEN'T GOT TIME TO DO
I'M PAYING ADVICE THEY HAVE MORE TECHNICAL BROADER KNOWLEDGE. PAY AGRONOMIST TO DO TASKS I HAVN'T GOT TIME TO DO	I'M PAYING ADVICE THEY HAVE MORE TECHNICAL BROADER KNOWLEDGE. PAY AGRONOMIST TO DO TASKS I HAVN'T GOT TIME TO DO

Not sur what program you mean	Not sur what program you mean
Not sure what protocol you mean	Not sure what protocol you mean
Nothing unusual eventuated that we had to address	Nothing unusual eventuated that we had to address
RECOMMENDATION FROM CROP PRODUCTION ADVISORS AND I USE YIELD PROFIT WHICH IS ONLINE CROP PRODUCTION MODEL	RECOMMENDATION FROM CROP PRODUCTION ADVISORS AND I USE YIELD PROFIT WHICH IS ONLINE CROP PRODUCTION MODEL
RIGHT ADVICE = BEST RESULT	RIGHT ADVICE = BEST RESULT
SEEMS TO WORK	SEEMS TO WORK
Standard practice	Standard practice
THOUGHT IT WOULD PROVIDE US WITH THE BEST RESULTS. WANTED TO SEE IF SYNGENTA'S PROTOCOL WORKED TO COMPARE WITH OUR PREVIOUS PROTOCOL.	THOUGHT IT WOULD PROVIDE US WITH THE BEST RESULTS. WANTED TO SEE IF SYNGENTA'S PROTOCOL WORKED TO COMPARE WITH OUR PREVIOUS PROTOCOL.
Timing	Timing
USING CHEMICALS THAT THEY ADVISE. RELYING ON THEIR KNOWLEDGE.	USING CHEMICALS THAT THEY ADVISE. RELYING ON THEIR KNOWLEDGE.
We developed the strategy with the consultant and agree with the strategies	We developed the strategy with the consultant and agree with the strategies
We follow our consultants recomendations all the time.	We follow our consultants recomendations all the time.
We followed our plan with minor changes, adjusting chemicals to suit the target weeds and increased the amount of fertiliser with the growing potential of the season.	We followed our plan with minor changes, adjusting chemicals to suit the target weeds and increased the amount of fertiliser with the growing potential of the season.
We take an active role in writing the protocol and believe in Syngenta products	We take an active role in writing the protocol and believe in Syngenta products
YOU CAN BE AN EXPERT IN EVERY FIELD	YOU CAN BE AN EXPERT IN EVERY FIELD
allows for better timing of operations and triggers of what needs to be done and when.	allows for better timing of operations and triggers of what needs to be done and when.
easier for mgt to follow a guideline, also with family operation it makes it easier to follow the plan set out as it allows for everyone to know what is going on. However with farming we need to be fl	easier for mgt to follow a guideline, also with family operation it makes it easier to follow the plan set out as it allows for everyone to know what is going on. However with farming we need to be fl
i HAVE A PAID CONSULTANT AND I TRUST HIM TO MAXIMISE YIELD	i HAVE A PAID CONSULTANT AND I TRUST HIM TO MAXIMISE YIELD
make a plan and stick to it	make a plan and stick to it
the crop plan covered all that had to be done in the season	the crop plan covered all that had to be done in the season
weed issues	weed issues

Q397: Q397. Received a recommended growing protocol or crop program from an agricultural advisor?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q397B_OTH1: Q397B. From whom did you receive the protocol/crop program? Other 1

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Independent Agronomist	Independent Agronomist
independent agronomist not independent advisor that the computer keeps saying	independent agronomist not independent advisor that the computer keeps saying
independent agronomist not independent advisor the computer keeps insisting	independent agronomist not independent advisor the computer keeps insisting

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
AGG Coop	AGG Coop
AgGrow Agronomy Member	AgGrow Agronomy Member
Birchip Cropping Group	Birchip Cropping Group
Birchip cropping group	Birchip cropping group
CBH (Cooperative),	CBH (Cooperative),
Cootamundra Producers	Cootamundra Producers
FarmLink Research.	FarmLink Research.
GRAIN GROWERS	GRAIN GROWERS
GRAIN TRADE AUSTRALIA	GRAIN TRADE AUSTRALIA
JBS Farm sure	JBS Farm sure
LIVING FARM	LIVING FARM
Living farm grower group	Living farm grower group
NSW Farmers	NSW Farmers
NSW Farmers Association	NSW Farmers Association
NSW Farmers FED-	NSW Farmers FED-
Ricegrowers Association,	Ricegrowers Association,
Sherwood precision managment group	Sherwood precision managment group

Southern Growers	Southern Growers
Southern farming systems,	Southern farming systems,
THE BIRCHIP CROPPING GROUP	THE BIRCHIP CROPPING GROUP
VIC FARM ASSOCIATION	VIC FARM ASSOCIATION
VIC FARMERS FED	VIC FARMERS FED
Vic No Till Association	Vic No Till Association
Vic No-till	Vic No-till
Victorian Farmers Federation	Victorian Farmers Federation
Victorian farmers federation	Victorian farmers federation
WA famers Federation	WA famers Federation
birchip cropping group	birchip cropping group
central west farming systems	central west farming systems
none	none
riverina plains	riverina plains
southern farming systems	southern farming systems
vic farmers fed -	vic farmers fed -

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
Coota Producers	Coota Producers
Farm Link	Farm Link
GRAIN RESEARCH DEV GROUP	GRAIN RESEARCH DEV GROUP
Kondinin Group	Kondinin Group
Local cropping producer group.	Local cropping producer group.
Pro farmers	Pro farmers
Rice Growers	Rice Growers
Riverine Plains	Riverine Plains
SA NO TILL FARMERS ASSOCIATION	SA NO TILL FARMERS ASSOCIATION
Southern Riverina Irrigators	Southern Riverina Irrigators
VFF	VFF

VICTORIAN FARMERS ASSOCIATION	VICTORIAN FARMERS ASSOCIATION
Vic Farmers Fed	Vic Farmers Fed
WA Farmers	WA Farmers
Yes	Yes
nsw farmers associations	nsw farmers associations

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
, Deniboota Landholders Association, NSW Farmers Association, Bunnaloo Wheat growers	, Deniboota Landholders Association, NSW Farmers Association, Bunnaloo Wheat growers
Farmlink Research, Temora Agricultural Bureau	Farmlink Research, Temora Agricultural Bureau
GRDC	GRDC
Grain corp, Wool growers, MLA	Grain corp, Wool growers, MLA
Market check, Rice growers Co-op,	Market check, Rice growers Co-op,
No	No
Southern Brook Catchment group	Southern Brook Catchment group
VETCH GROUP	VETCH GROUP

Q58: Q58. In general, what is the topography of your growing area?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	flat
2	gentle slope

3	steep slope
4	hilly
5	other. specify:

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
Rolling Hills	Rolling Hills
Sandy undulation	Sandy undulation
Slight undulation	Slight undulation

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

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 - 1 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
1900-01-01	1900-01-01
2014-04-01	2014-04-01
2014-04-10	2014-04-10
2014-04-14	2014-04-14
2014-04-24	2014-04-24
2014-04-25	2014-04-25
2014-04-26	2014-04-26
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-02	2014-05-02
2014-05-04	2014-05-04
2014-05-05	2014-05-05
2014-05-06	2014-05-06
2014-05-07	2014-05-07
2014-05-09	2014-05-09

2014-05-10	2014-05-10
2014-05-11	2014-05-11
2014-05-12	2014-05-12
2014-05-13	2014-05-13
2014-05-14	2014-05-14
2014-05-15	2014-05-15
2014-05-16	2014-05-16
2014-05-17	2014-05-17
2014-05-18	2014-05-18
2014-05-19	2014-05-19
2014-05-20	2014-05-20
2014-05-21	2014-05-21
2014-05-22	2014-05-22
2014-05-24	2014-05-24
2014-05-25	2014-05-25
2014-05-26	2014-05-26
2014-05-29	2014-05-29
2014-05-30	2014-05-30
2014-06-05	2014-06-05
2014-06-11	2014-06-11
2014-06-15	2014-06-15
2014-08-12	2014-08-12

Q247_1A: Q247. BUYER 1 % of yield

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 20 - 100 Format: Numeric

Q247_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: 152 - 245 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2014 - 2016 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

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
AustraliaBarley1	AustraliaBarley1
AustraliaWheat1	AustraliaWheat1

COUNTRY: Country**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Australia	Australia

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
3120203	3120203
3120221	3120221
3120403	3120403
3120421	3120421
3120603	3120603
3120621	3120621
3121003	3121003
3121021	3121021
3121203	3121203

3121221	3121221
3121803	3121803
3121821	3121821
3124821	3124821
3134403	3134403
3134421	3134421
3220803	3220803
3220821	3220821
3222203	3222203
3222221	3222221
3225603	3225603
3225621	3225621
3226403	3226403
3226421	3226421
3226803	3226803
3226821	3226821
3228603	3228603
3228621	3228621
3228803	3228803
3228821	3228821
3230003	3230003
3230021	3230021
3231603	3231603
3231621	3231621
3232203	3232203
3232221	3232221
3232603	3232603
3232621	3232621
3233203	3233203
3233221	3233221
3234003	3234003
3234021	3234021
3235203	3235203
3235221	3235221
3236203	3236203
3236221	3236221
3236403	3236403
3236421	3236421
3236603	3236603

3236621	3236621
3236803	3236803
3236821	3236821
3237403	3237403
3237421	3237421
3237603	3237603
3237621	3237621
3238203	3238203
3238221	3238221
3238803	3238803
3238821	3238821
3239403	3239403
3239421	3239421
3239603	3239603
3239621	3239621
3240403	3240403
3240421	3240421
3240603	3240603
3240621	3240621
3241003	3241003
3241021	3241021
3241403	3241403
3241421	3241421
3241603	3241603
3241621	3241621
3242203	3242203
3242221	3242221
3242403	3242403
3242421	3242421
3243203	3243203
3243221	3243221
3243403	3243403
3243421	3243421

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
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
Barley	Barley
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
1	1
2	2
3	3
4	4

Q241A: Q241 a. Timing of product application

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2014-02-22	2014-02-22
2014-03-02	2014-03-02
2014-03-08	2014-03-08
2014-03-11	2014-03-11
2014-03-13	2014-03-13
2014-03-15	2014-03-15
2014-03-20	2014-03-20
2014-04-01	2014-04-01
2014-04-09	2014-04-09
2014-04-14	2014-04-14
2014-04-15	2014-04-15
2014-04-21	2014-04-21
2014-04-26	2014-04-26
2014-04-27	2014-04-27
2014-04-29	2014-04-29
2014-04-30	2014-04-30
2014-05-01	2014-05-01
2014-05-03	2014-05-03
2014-05-05	2014-05-05

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

2014-07-09	2014-07-09
2014-07-10	2014-07-10
2014-07-11	2014-07-11
2014-07-14	2014-07-14
2014-07-15	2014-07-15
2014-07-18	2014-07-18
2014-07-20	2014-07-20
2014-07-25	2014-07-25
2014-07-27	2014-07-27
2014-07-28	2014-07-28
2014-07-30	2014-07-30
2014-08-01	2014-08-01
2014-08-02	2014-08-02
2014-08-06	2014-08-06
2014-08-09	2014-08-09
2014-08-10	2014-08-10
2014-08-12	2014-08-12
2014-08-14	2014-08-14
2014-08-15	2014-08-15
2014-08-18	2014-08-18
2014-08-19	2014-08-19
2014-08-22	2014-08-22
2014-08-24	2014-08-24
2014-08-26	2014-08-26
2014-08-28	2014-08-28
2014-09-01	2014-09-01
2014-09-10	2014-09-10
2014-09-20	2014-09-20
2014-09-30	2014-09-30
2014-10-01	2014-10-01
2014-10-10	2014-10-10
2014-10-15	2014-10-15
2014-10-20	2014-10-20
2014-10-24	2014-10-24
2014-12-15	2014-12-15
2014-12-17	2014-12-17
2014-12-20	2014-12-20
2015-01-28	2015-01-28
2015-03-05	2015-03-05

2015-03-15	2015-03-15
2015-03-20	2015-03-20
2015-04-01	2015-04-01
2015-04-05	2015-04-05
2015-04-20	2015-04-20
2015-04-25	2015-04-25
2015-04-28	2015-04-28
2015-05-01	2015-05-01
2015-05-02	2015-05-02
2015-05-05	2015-05-05
2015-05-06	2015-05-06
2015-05-07	2015-05-07
2015-05-08	2015-05-08
2015-05-10	2015-05-10
2015-05-12	2015-05-12
2015-05-13	2015-05-13
2015-05-14	2015-05-14
2015-05-15	2015-05-15
2015-05-17	2015-05-17
2015-05-18	2015-05-18
2015-05-19	2015-05-19
2015-05-20	2015-05-20
2015-05-21	2015-05-21
2015-05-22	2015-05-22
2015-05-23	2015-05-23
2015-05-25	2015-05-25
2015-05-26	2015-05-26
2015-05-28	2015-05-28
2015-05-29	2015-05-29
2015-05-30	2015-05-30
2015-05-31	2015-05-31
2015-06-01	2015-06-01
2015-06-02	2015-06-02
2015-06-04	2015-06-04
2015-06-09	2015-06-09
2015-06-10	2015-06-10
2015-06-14	2015-06-14
2015-06-15	2015-06-15
2015-06-17	2015-06-17

2015-06-23	2015-06-23
2015-06-24	2015-06-24
2015-06-25	2015-06-25
2015-07-01	2015-07-01
2015-07-02	2015-07-02
2015-07-06	2015-07-06
2015-07-07	2015-07-07
2015-07-08	2015-07-08
2015-07-10	2015-07-10
2015-07-20	2015-07-20
2015-07-26	2015-07-26
2015-07-27	2015-07-27
2015-08-01	2015-08-01
2015-08-04	2015-08-04
2015-08-05	2015-08-05
2015-08-18	2015-08-18
2015-08-25	2015-08-25
2015-08-26	2015-08-26
2015-09-01	2015-09-01
2015-09-15	2015-09-15
2015-09-18	2015-09-18
2015-10-01	2015-10-01
2016-03-01	2016-03-01
2016-03-15	2016-03-15
2016-04-20	2016-04-20
2016-04-27	2016-04-27
2016-05-01	2016-05-01
2016-05-02	2016-05-02
2016-05-04	2016-05-04
2016-05-05	2016-05-05
2016-05-15	2016-05-15
2016-05-31	2016-05-31
2016-06-24	2016-06-24
2016-06-26	2016-06-26
2016-07-01	2016-07-01
2016-07-15	2016-07-15
2016-08-11	2016-08-11

Q241B: Q241 b.Type of product**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Herbicide
2	Insecticide
3	Fungicide
4	Plant growth regulator, harvest aids,adjuvants
5	Nematicides, molluscicides
6	Rodenticides

Q241C: Q241 c . Brand product name**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q241C1: Q241 c1. Brand product formulation**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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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 AMINA	2,4 D AMINA
2,4-D	2,4-D
2,4-D-DIMETHYLAMINE-SALT (AMINE-SALT)	2,4-D-DIMETHYLAMINE-SALT (AMINE-SALT)
ALCOHOL ALKOXYLATE	ALCOHOL ALKOXYLATE
ALPHA-CYPERMETHRIN	ALPHA-CYPERMETHRIN
AZOXYSTROBIN	AZOXYSTROBIN
BRODIFACUM	BRODIFACUM
BROMOXYNIL	BROMOXYNIL
BROMOXYNIL-OCT. + DIFLUFEN	BROMOXYNIL-OCT. + DIFLUFEN
BUTAFENACIL	BUTAFENACIL
CARFENTRAZONE-E	CARFENTRAZONE-E
CHLOREPYROPHOS	CHLOREPYROPHOS
CLODINAFOP-PROPARGYL	CLODINAFOP-PROPARGYL
CLOPYRALID*	CLOPYRALID*

CLOPYRALID-TRIIISOPROPANOLAMINE-SALT	CLOPYRALID-TRIIISOPROPANOLAMINE-SALT
CLOQUINTOCET-MEXYL	CLOQUINTOCET-MEXYL
CYPERMETHRIN	CYPERMETHRIN
DICAMBA	DICAMBA
DICAMBA-DMA(DIMETHYLAMINE)-SALT	DICAMBA-DMA(DIMETHYLAMINE)-SALT
DICAMBA-SODIUM/POTASSIUM SALT	DICAMBA-SODIUM/POTASSIUM SALT
DIFENOCONAZOLE	DIFENOCONAZOLE
DIMETHOATE	DIMETHOATE
DIQUAT	DIQUAT
DIURON	DIURON
Do not know	Do not know
EPOXYCONAZOLE	EPOXYCONAZOLE
FLUMETSULAM	FLUMETSULAM
FLUMIOXAZIN	FLUMIOXAZIN
FLUROXYPYR	FLUROXYPYR
FLUTRIAFOL	FLUTRIAFOL
GLYPHOSATE	GLYPHOSATE
GLYPHOSATE-ISOPROPYL-AMM	GLYPHOSATE-ISOPROPYL-AMM
IMAZAMOX-AMMONIUM	IMAZAMOX-AMMONIUM
IMAZAPYR	IMAZAPYR
IMIDACLOPRID	IMIDACLOPRID
MCPA	MCPA
MESOSULFURON METHYL	MESOSULFURON METHYL
METRIBUZIN	METRIBUZIN
METSULFURON-METHYL	METSULFURON-METHYL
N-METHYLPYRR	N-METHYLPYRR
OXYFLUORFEN	OXYFLUORFEN
PARAFFIN OIL	PARAFFIN OIL
PARAQUAT	PARAQUAT
PARAQUAT DICHLORIDE	PARAQUAT DICHLORIDE
PICOLINAFEN	PICOLINAFEN
PINOXADEN	PINOXADEN
PROPICONAZOLE	PROPICONAZOLE
PROSULFOCARB	PROSULFOCARB
PROTHIOCONAZOLE?	PROTHIOCONAZOLE
PYROXASULFONE	PYROXASULFONE
PYROXSULAM	PYROXSULAM
S-METOLACHLOR	S-METOLACHLOR
SEDAXANE	SEDAXANE

SOYA-PHOSPHOLIPIDES	SOYA-PHOSPHOLIPIDES
TEBUCONAZOLE	TEBUCONAZOLE
TERBUTRINE	TERBUTRINE
TERBUTYLAZINE	TERBUTYLAZINE
THIPHENSULPHURONE-METHYL	THIPHENSULPHURONE-METHYL
TOPRAMEZONE	TOPRAMEZONE
TRALKOXYDIM	TRALKOXYDIM
TRIADIMEFON	TRIADIMEFON
TRIALATE	TRIALATE
TRIASULFURON	TRIASULFURON
TRIBENURON WDG	TRIBENURON WDG
TRICLOPYR	TRICLOPYR
TRIFLURALIN	TRIFLURALIN
TRIFLURINE	TRIFLURINE

C241CP1: CODED VARIABLE - amount of ai1

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.005 - 1000 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
BROMOXYNIL	BROMOXYNIL
CARFENTRAZONE-E	CARFENTRAZONE-E
CLOQUINTOCET-MEXYL	CLOQUINTOCET-MEXYL
DIFENOCONAZOLE	DIFENOCONAZOLE
DIFLUFENIKAN	DIFLUFENIKAN
DIQUAT	DIQUAT
Do not know	Do not know
FLORASULAM	FLORASULAM
IMAZAPYR	IMAZAPYR
IMAZAPYR-IPA-SALT	IMAZAPYR-IPA-SALT
METALAXIL	METALAXIL
N-METHYLPYRR	N-METHYLPYRR
NEUTRAL-HYDROCARBONS	NEUTRAL-HYDROCARBONS
PARAQUAT CHLORIDE	PARAQUAT CHLORIDE
PICOLINAFEN	PICOLINAFEN
PINOXADEN	PINOXADEN
PROPIONIC-ACID	PROPIONIC-ACID
QUARTZ	QUARTZ
S-METOLACHLOR	S-METOLACHLOR
TEBUCONAZOLE	TEBUCONAZOLE
TRIADIMENOL	TRIADIMENOL
TRIASULFURON	TRIASULFURON
TRIBUNERONE-METHYL	TRIBUNERONE-METHYL

C241CP2: CODED VARIABLE - amount of ai2

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 7 - 495 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
MCPA	MCPA
METALAXIL-M	METALAXIL-M
N-METHYLPYRR	N-METHYLPYRR
N.-HYDROCARB	N.-HYDROCARB

C241CP3: CODED VARIABLE - amount of ai3**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 16.5 - 397 Format: Numeric

C241CPT: CODED VARIABLE - total amount of ai**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 30 - 570 Format: Numeric

Q241D: CODED VARIABLE Q241 d. Dosage ?**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3 - 5000 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 - 100 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
20lt ; 20lt uan	20lt ; 20lt uan
2nd knockdown	2nd knockdown
2nd knockdown kill anything left	2nd knockdown kill anything left
abitid	abitid
all insects	all insects
all volunteer weeds	all volunteer weeds
all weeds	all weeds
annual grasses	annual grasses
annual grasses; capeweed; wild radish; doublegees; vounteer cereals	annual grasses; capeweed; wild radish; doublegees; vounteer cereals
annual rye	annual rye
annual rye grass	annual rye grass

annual rye grass; cape weed; doublegee; wild radish	annual rye grass; cape weed; doublegee; wild radish
annual ryegrass	annual ryegrass
annual ryegrass fumitory	annual ryegrass fumitory
annual ryegrass; black oats; capeweed mustard weed	annual ryegrass; black oats; capeweed mustard weed
annual ryegrass; black oats; capeweed; mustard weed	annual ryegrass; black oats; capeweed; mustard weed
annual ryegrass; wild oats	annual ryegrass; wild oats
aphids	aphids
arg	arg
as above	as above
barley grass	barley grass
barley yellow leaf spot	barley yellow leaf spot
beans broadleaf weeds	beans broadleaf weeds
beans broadleaf weeds	beans broadleaf weeds
bifora various	bifora various
black oats	black oats
black oats; ryegrass; wireweed; fumitory; mustard; capeweed	black oats; ryegrass; wireweed; fumitory; mustard; capeweed
blackoats	blackoats
board leaf ; grass weeds	board leaf ; grass weeds
broad leaf	broad leaf
broad leaf grasses	broad leaf grasses
broad leaf weed control	broad leaf weed control
broad leaf weeds	broad leaf weeds
broad leaf;cereal weeds	broad leaf;cereal weeds
broad leaves	broad leaves
broadleaf	broadleaf
broadleaf control	broadleaf control
broadleaf grasses	broadleaf grasses
broadleaf patersons curse	broadleaf patersons curse
broadleaf weeds	broadleaf weeds
broadleaf; annual ryegrass	broadleaf; annual ryegrass
broadleaf;annual ryegrass	broadleaf;annual ryegrass
broadleafs	broadleafs
broadleafs; vol legumes	broadleafs; vol legumes
brome grass	brome grass
bunt flag smut loose smut ; stripe rust	bunt flag smut loose smut ; stripe rust
bunt smut ; rhizoctonia	bunt smut ; rhizoctonia
canola; doublegee; radish	canola; doublegee; radish
cape weed	cape weed

cape weed canola patersons curse	cape weed canola patersons curse
cape weed rye grass	cape weed rye grass
cape weed; canola	cape weed; canola
capeweed	capeweed
capeweed; doublegee; wild radish	capeweed; doublegee; wild radish
capeweed; doublegees; wild radish; annual ryegrass	capeweed; doublegees; wild radish; annual ryegrass
capeweed; patterson curse	capeweed; patterson curse
capeweed; wild radish	capeweed; wild radish
capeweed;wild radish;doublegee	capeweed;wild radish;doublegee
capweed	capweed
cereal	cereal
control capeweed ; toad rush	control capeweed ; toad rush
control root ; leaf disease	control root ; leaf disease
crop diseases	crop diseases
disease	disease
disease any	disease any
dock; vol canola; clover; milk thistle;	dock; vol canola; clover; milk thistle;
don't know	don't know
don't know ; no answer	don't know ; no answer
doublegee; wild radish;capeweed	doublegee; wild radish;capeweed
doublegees	doublegees
earth mites	earth mites
earthmite lucerne flea	earthmite lucerne flea
fleabane	fleabane
fumitory;marshmallow	fumitory;marshmallow
geranium;barley grass;clover	geranium;barley grass;clover
grain weevils	grain weevils
grass beans	grass beans
grass weeds - ryegrass	grass weeds - ryegrass
grasses	grasses
grasses ; board leaf weeds	grasses ; board leaf weeds
grasses ; broadleaf weed	grasses ; broadleaf weed
grasses ; broadleaves	grasses ; broadleaves
grasses ; mellons ; thistles	grasses ; mellons ; thistles
grasses broadleaf	grasses broadleaf
grasses;broadleaf	grasses;broadleaf
grasse ; medic ; faba beans	grasse ; medic ; faba beans
heliotrop	heliotrop
heliotrope	heliotrope

hogweed heliotrope	hogweed heliotrope
insects	insects
insects aphids	insects aphids
knoched	knoched
knock down kill everything	knock down kill everything
knockdown	knockdown
knockdown ; pre em	knockdown ; pre em
knockdown all grass ; broadleaf	knockdown all grass ; broadleaf
knockdown herbicide all weeds	knockdown herbicide all weeds
knockdown of grass ; broadleaf	knockdown of grass ; broadleaf
knockdown on grasses ; broadleaf	knockdown on grasses ; broadleaf
lentils veltech	lentils veltech
marshmallow	marshmallow
marshmellow; canola	marshmellow; canola
marshmellow; rye grass; canola	marshmellow; rye grass; canola
marshmellow; vh;faua;whip thistle	marshmellow; vh;faua;whip thistle
marsy; canola; whip thistle	marsy; canola; whip thistle
melons	melons
mice	mice
milk thistle cereals	milk thistle cereals
milk thistle; wireweed; vol canola	milk thistle; wireweed; vol canola
mixed weed	mixed weed
mixed weeds	mixed weeds
mustard ironweed lettuce vh thisles	mustard ironweed lettuce vh thisles
mustard ironweed lettuce vh thistles	mustard ironweed lettuce vh thistles
mustard milk thistle ; broadleaf weeds	mustard milk thistle ; broadleaf weeds
mustard; dead nettle; vh	mustard; dead nettle; vh
na	na
net blotch	net blotch
net blotch;rust	net blotch;rust
net scald	net scald
nye grass wild oats	nye grass wild oats
pasture weed	pasture weed
patersons curse	patersons curse
pattersen curse	pattersen curse
pattersons curse	pattersons curse
plant disease as specified on label	plant disease as specified on label
post emerge	post emerge
powder mildew	powder mildew

powdery	powdery
powdery mildew	powdery mildew
powdery mildew; net blotch	powdery mildew; net blotch
powdery mildew	powdery mildew
pre em	pre em
pre emerge	pre emerge
pre-em grass selective	pre-em grass selective
protective	protective
raddish	raddish
radish	radish
radish prickly lettuce	radish prickly lettuce
radish; canola	radish; canola
radish; doublegee	radish; doublegee
radish; thistle	radish; thistle
red leg	red leg
red leg ; web worm	red leg ; web worm
red legged earth mite; lucerne flea	red legged earth mite; lucerne flea
red legged earth mite;lucerne flea	red legged earth mite;lucerne flea
redlegged earth mite; lucerne flea	redlegged earth mite; lucerne flea
rhizoctonia	rhizoctonia
rhizoctonia common smut ; bunt	rhizoctonia common smut ; bunt
rhizoctonia root rot ; common smut ; bunt	rhizoctonia root rot ; common smut ; bunt
rlem ;lucerne	rlem ;lucerne
rlem;lucerndrea	rlem;lucerndrea
roly poly skeleton weed	roly poly skeleton weed
roly poly; hogweed; skeleton weed	roly poly; hogweed; skeleton weed
root disease ; lmf	root disease ; lmf
rust	rust
rust; scald	rust; scald
rye	rye
rye grass	rye grass
rye grass ; broad leaf	rye grass ; broad leaf
rye grass ; broad leafs	rye grass ; broad leafs
rye grass broad leaf	rye grass broad leaf
rye grass hog weed	rye grass hog weed
rye grass; brome grass; wild oats	rye grass; brome grass; wild oats
rye grass; cape weed	rye grass; cape weed
rye grass; volunteer cereals; winter grasses	rye grass; volunteer cereals; winter grasses
rye grass; wild oats	rye grass; wild oats

rye grass;barley grass	rye grass;barley grass
rye grass;broad leaf	rye grass;broad leaf
rye; black oats	rye; black oats
ryegrass	ryegrass
ryegrass black oats	ryegrass black oats
ryegrass blackoats	ryegrass blackoats
ryegrass capeweed	ryegrass capeweed
ryegrass volunteer	ryegrass volunteer
ryegrass wild oats	ryegrass wild oats
ryegrass wireweed	ryegrass wireweed
ryegrass; black oats; fumitory	ryegrass; black oats; fumitory
ryegrass; radish; volunteer cereals	ryegrass; radish; volunteer cereals
ryegrass; radish; volunteer cereals;	ryegrass; radish; volunteer cereals;
ryegrass; self sown canola	ryegrass; self sown canola
ryegrass; self sown wheat; thistles	ryegrass; self sown wheat; thistles
ryegrass; wild oats	ryegrass; wild oats
ryegrass; wireweed	ryegrass; wireweed
ryegrass;capeweed;black oats;wireweed; mustard	ryegrass;capeweed;black oats;wireweed; mustard
ryegrass;wild oats	ryegrass;wild oats
ryegrass;wildoats	ryegrass;wildoats
ryegrass;wire weed	ryegrass;wire weed
rygrass	rygrass
scald	scald
scald ; net blotch	scald ; net blotch
scald ; net blotch;weed disease	scald ; net blotch;weed disease
seed dress	seed dress
shepherds purse	shepherds purse
silver grass	silver grass
silvergrass;barley grass	silvergrass;barley grass
smut bunt	smut bunt
spot form of net blotch ; scald	spot form of net blotch ; scald
spot net type blotch	spot net type blotch
spot net type leaf blotch	spot net type leaf blotch
spot type; net blotch; powdery mildew	spot type; net blotch; powdery mildew
stripe rust	stripe rust
stripe rust;scald	stripe rust;scald
stripe rust;scale	stripe rust;scale
striprust	striprust
summer grass braodleaf	summer grass braodleaf

summer grass broadleaf	summer grass broadleaf
summer grass;rye grass	summer grass;rye grass
summer weeds	summer weeds
summer weeds weeds before sowing ryegrass	summer weeds weeds before sowing ryegrass
tares	tares
targets rye grass;skeleton weed fumitory	targets rye grass;skeleton weed fumitory
thisles	thisles
toad rush	toad rush
toadrush	toadrush
vh capeweed	vh capeweed
vh; canola	vh; canola
vol lentrals	vol lentrals
vol wheat	vol wheat
volunteer canola summer grass	volunteer canola summer grass
volunteer canola wild oats	volunteer canola wild oats
volunteer cereals	volunteer cereals
volunteer cereals; winter grasses; cape weed; wild radish; doublegee	volunteer cereals; winter grasses; cape weed; wild radish; doublegee
web worm	web worm
webworm	webworm
webworm;redlegged earth mite; blue oat mite	webworm;redlegged earth mite; blue oat mite
weed	weed
wheat root rot	wheat root rot
wheat rot	wheat rot
wheat; radish; ryegrass	wheat; radish; ryegrass
whip thistle	whip thistle
white italian snail	white italian snail
wild oat patterson curse	wild oat patterson curse
wild oat rye	wild oat rye
wild oat rye canola	wild oat rye canola
wild oatrye grass	wild oatrye grass
wild oats	wild oats
wild oats rye	wild oats rye
wild oats rye grass	wild oats rye grass
wild oats ryegrass	wild oats ryegrass
wild oats; mustard weed	wild oats; mustard weed
wild oats; rye grass	wild oats; rye grass
wild raddish fumitory fleabane	wild raddish fumitory fleabane
wild raddish;capeweek	wild raddish;capeweek

wild radish	wild radish
wild radish; capeweed	wild radish; capeweed
wild radish; doublegees; capeweed	wild radish; doublegees; capeweed
wild radish;capeweed	wild radish;capeweed
wild vh	wild vh
wind oats rye grass	wind oats rye grass
wireweed	wireweed
wireworm; red legged earmite; aphids	wireworm; red legged earmite; aphids
yellow dwarf virus	yellow dwarf virus
yellow spot	yellow spot
yellow spot septoria	yellow spot septoria

Q241H: Q241 h. Level of pest/ disease/ weed pressure

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Medium pressure
2	Low pressure
3	High pressure

Q241I: Q241 i. Percentage of the area treated against pests/ diseases/ weeds

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Q241J: Q241 j. Percentage of crop free of pests/ diseases/ weeds at harvest (in %)

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Q241K: Q241 k. Equipment type ?**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Motorized boom sprayer
2	Hand operated sprayers (e.g. knapsack),
3	Airblast sprayer
4	Other
5	Aerial applicator
6	Granular applicator

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 - 2016 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
Australia	Australia

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
AustraliaBarley1	AustraliaBarley1
AustraliaWheat1	AustraliaWheat1

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 3120003 - 3250221 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

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
2266	2266
2645	2645
2646	2646

2652	2652
2663	2663
2665	2665
2666	2666
2669	2669
2675	2675
2680	2680
2700	2700
2701	2701
2710	2710
2712	2712
2716	2716
2732	2732
2794	2794
2810	2810
2871	2871
2876	2876
3378	3378
3388	3388
3390	3390
3400	3400
3401	3401
3423	3423
3477	3477
3483	3483
3585	3585
3644	3644
40	40
5268	5268
5270	5270
5554	5554
6302	6302
6304	6304
6401	6401
6407	6407
6460	6460
6568	6568

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
ACT	ACT
NSW	NSW
NT	NT
QLD	QLD
SA	SA
TAS	TAS
VIC	VIC
WA	WA

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 - 2016 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
Australia	Australia

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
Barley	Barley
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
AustraliaBarley1	AustraliaBarley1
AustraliaWheat1	AustraliaWheat1

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
3120203	3120203
3120221	3120221
3120403	3120403
3120421	3120421
3120603	3120603
3120621	3120621
3121003	3121003
3121021	3121021

3121203	3121203
3121221	3121221
3121803	3121803
3121821	3121821
3124821	3124821
3134403	3134403
3134421	3134421
3220803	3220803
3220821	3220821
3222203	3222203
3222221	3222221
3225603	3225603
3225621	3225621
3226403	3226403
3226421	3226421
3226803	3226803
3226821	3226821
3228603	3228603
3228621	3228621
3228803	3228803
3228821	3228821
3230003	3230003
3230021	3230021
3231603	3231603
3231621	3231621
3232203	3232203
3232221	3232221
3232603	3232603
3232621	3232621
3233203	3233203
3233221	3233221
3234003	3234003
3234021	3234021
3235203	3235203
3235221	3235221
3236203	3236203
3236221	3236221
3236403	3236403
3236421	3236421

3236603	3236603
3236621	3236621
3236803	3236803
3236821	3236821
3237403	3237403
3237421	3237421
3237603	3237603
3237621	3237621
3238203	3238203
3238221	3238221
3238803	3238803
3238821	3238821
3239403	3239403
3239421	3239421
3239603	3239603
3239621	3239621
3240403	3240403
3240421	3240421
3240603	3240603
3240621	3240621
3241021	3241021
3241403	3241403
3241421	3241421
3241603	3241603
3241621	3241621
3242203	3242203
3242221	3242221
3242403	3242403
3242421	3242421
3243203	3243203
3243221	3243221
3243403	3243403
3243421	3243421
3250103	3250103
3250121	3250121
3250203	3250203
3250221	3250221

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	A

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 - 17 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Clearing
2	Ploughing
3	Ripping
4	Land levelling
5	Applying fertilizers
6	Mulching
7	Sowing or planting
8	Scouting for pests and diseases
9	Applying pesticides
10	Irrigating
11	Weeding
12	Harvesting
13	Post handling
14	Processing
15	Transport
16	Other
17	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

title 2014 GGP Questionnaire Master
 language English
 filename 2014 GGP Questionnaire Master.pdf

2015 GGP Questionnaire Master

title 2015 GGP Questionnaire Master
 language English
 filename 2015 GGP Questionnaire Master.pdf

2016 GGP Questionnaire Master

title 2016 GGP Questionnaire Master
 language English
 filename 2016 GGP Questionnaire Master.pdf

reports

Enabling a set change in farm efficiency (productivity brochure)

title Enabling a set change in farm efficiency (productivity brochure)
 language English
 filename SYT-GGP-c1productivity-brochure.pdf

The Good Growth Plan Progress Data - Productivity 2019

title The Good Growth Plan Progress Data - Productivity 2019
 language English
 filename SYT-GGP-c1productivity-description-2019_0.pdf
