Good Growth Plan 2014-2015

Syngenta

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Identification

SURVEY ID NUMBER
ZAF_2014-2015_GGP-P_v01_M_v01_A_OCS

TITLE
Good Growth Plan 2014-2015

COUNTRY/ECONOMY

Name	Country code
South Africa	ZAF

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 South Africa BF:

(a) maize growers
Location: Free State
Growers have to use pre-emergent and post-emergent herbicides
Growers have to use at least one fungicide and at least one insecticide
> for maize 2 growers : Location: Mpumalanga

(b) potato growers
Location: Limpopo
Growers have to use at least 4 insecticide applications and at least 4 fungicide applications
> for potato 2 growers: Location: Free State

data_collection

DATES OF DATA COLLECTION

Start	End
2014	2015

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 inconsistences, 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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CITATION REQUIREMENTS
The Good Growth Plan Progress Data - Productivity 2019

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

Metadata production

DDI DOCUMENT ID
DDI_ZAF_2014-2015_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
2022-11-17

DDI DOCUMENT VERSION
Version 01 (November 2022): This metadata was downloaded from the FAO website (https://microdata.fao.org/index.php/catalog) and it is identical to FAO version (ZAF_2014-2015_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	25
Farm_level_data	0	32
Global_farm_data	0	116
Crop_protection	0	30
Location	0	8
Activities and Machinery (Q382)	0	9

Data file	Cases	variables

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:	25

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	q233c_a	Q233C. a. Timing of product application	
V26	q233c_b	Q233C. b.Type of product	
V27	q233c_c	Q233C. c. Brand product name	
V28	q233c_c2	Q233C. c2. Brand product formulation	
V29	c233c_c	CODED VARIABLE - stringcode	
V30	c233ca1	CODED VARIABLE - active ingredient1	
V31	c233cp1	CODED VARIABLE - amount of ai1	
V32	c233cu1	CODED VARIABLE - unit (% or Gr)	
V33	c233ca2	CODED VARIABLE - active ingredient2	
V34	c233cp2	CODED VARIABLE - amount of ai2	
V35	c233ca3	CODED VARIABLE - active ingredient3	
V36	c233cp3	CODED VARIABLE - amount of ai3	
V37	q233c_d	Q233C. d. PRODUCT 1: Dosage	
V38	q233c_e	Q233C. e. PRODUCT 1: Unit of quantity	
V39	q233c_f	Q233C. f. PRODUCT 1: Amount of H2O solved in LITERS per <HECT>	
V40	q233c_g	Q233C. g. PRODUCT 1: Pest/disease/ weed targeted	
V41	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 25

Data file: Farm_level_data

Cases:	0
variables:	32

variables

ID	Name	Label	Question
V42	HarvestYear	Data collection wave	
V43	Region	Syngenta's definition of Region	
V44	Territory	Syngenta's definition of Territory	
V45	GrowingArea	To which field/plot does the information relate to?	
V46	ClusterID	Unique cluster ID	
V47	country	Country	
V48	Farmtype	Farm type	
V49	GrowerID	Unique respondent ID	
V50	Crop	The crop of focus	
V51	AreaSize	Q57. Size of growing area A for <TARG1> in <HECT>	
V52	CropSize	Q5.Total cultivated area of <TARG1> in this season in <HECT>	
V53	FarmSize	Q6. Total size of your farm/cultivated area for all crops in <HECT>	
V54	Landproductivity	Land efficiency in ton/ha	
V55	PesticideApplicationEffiiciency	Number of field applications used per ton produced	
V56	NutrientEfficiency	Kgs of nitrogen used per ton produced	
V57	PhosphorusEfficiency	Kgs of phosphorus used per ton produced	
V58	PotassiumEfficiency	Kgs of potassium used per ton produced	
V59	SeedEfficiency	Kgs of seeds used per ton produced	
V60	PesticideEfficiency	Kgs of active ingredients from pesticides used in kilogram per ton produced	
V61	HerbicideEfficiency	Kgs of active ingredients from herbicides used per ton produced	
V62	FungicideEfficiency	Kgs of active ingredients from fungicides used per ton produced	
V63	InsecticideEfficiency	Kgs of active ingredients from insecticides used per ton produced	
V64	IrrigationWaterEfficiency	Litres of irrigation water used per ton produced	
V65	LaborEfficiency	Amount of labor hours per unit of crop output produced	
V66	MachineryEfficiency	Amount of machinery used in hours per unit of crop output produced	
V67	SyngentaShare	Percentage of syngenta products used compared to total number of products used	
V68	User_vs_non_user	Does the grower use Syngenta products?	
V69	protocol	have received a crop program and/or any recommendations this season?	
V70	field_preparation	Date of first field preparation	
V71	planting_date	Date of sowing or planting	
V72	harvest_begin	Date when harvest started	
V73	harvest_end	Date when harvest ended	

total: 32

Data file: Global_farm_data

Cases:	0
variables:	116

variables

ID	Name	Label	Question
V74	Territory	Syngenta definition of territory (sub-region)	
V75	country	Country	
V76	ClusterID	Unique cluster ID	
V77	GrowerID	Unique respondent ID	
V78	GrowingArea	To which field/plot does the information relate to?	
V79	Farmtype	Farmtype	
V80	q1f	Q1. F. Would it be okay for you for Syngenta to contact you with follow-up information on The Good Growth Plan?	
V81	crop	Crop of focus	
V82	q19	Q19. Surname	
V83	q20	Q20. First name	
V84	q21	Q21. Phone number	
V85	q22	Q22. E-mail address	
V86	q27	Q27. Year of birth	
V87	q28	Q28. Gender	
V88	q31	Q31. Until what age did you go to school?	
V89	q30	Q30. Are you a full-time or part-time farmer?	
V90	q33	Q33. Did you receive an agronomical/agricultural education?	
V91	q34	Q34. Are you a member of a producer group, association or cooperative for <CROP>?	
V92	q35c	Q35. C. Overall, how satisfied would you say you are with your life these days?	
V93	q37a	Q37.A. Do you have signs of soil erosion by water on	
V94	q37b	Q37.B. Do you have signs of soil erosion by wind on your farm?	
V95	q65	Q65. Do you practice intercropping for <TARGET CROP> ?	
V96	q66_1	Q66. Which crops do you intercrop? Apples	
V97	q66_7	Q66. Which crops do you intercrop? Corn	
V98	q66_10	Q66. Which crops do you intercrop? Oilseed rape	
V99	q66_13	Q66. Which crops do you intercrop? Potato	
V100	q66_15	Q66. Which crops do you intercrop? Soybean	
V101	q66_18	Q66. Which crops do you intercrop? Sunflower	
V102	q66_19	Q66. Which crops do you intercrop? Tomato	
V103	q66_21	Q66. Which crops do you intercrop? Wheat	
V104	q60	Q60. Do you rotate crops on growing area A for <TARGET CROP>?	
V105	q61_7	Q61. What crops are you cultivating in rotation? Corn	
V106	q61_9	Q61. What crops are you cultivating in rotation? Grape	
V107	q61_10	Q61. What crops are you cultivating in rotation? Oilseed rape	
V108	q61_12	Q61. What crops are you cultivating in rotation? Pepper	
V109	q61_13	Q61. What crops are you cultivating in rotation? Potato	
V110	q61_14	Q61. What crops are you cultivating in rotation? Rice	

ID	Name	Label	Question
V111	q61_15	Q61. What crops are you cultivating in rotation? Soybean	
V112	q61_18	Q61. What crops are you cultivating in rotation? Sunflower	
V113	q61_19	Q61. What crops are you cultivating in rotation? Tomato	
V114	q61_21	Q61. What crops are you cultivating in rotation? Wheat	
V115	q67	Q67. What is the soil type of growing area A for <TARGET CROP>?	
V116	q55e1	Q55E1.Partook in training/meeting on crop/agricultural practices in the past 2 years?	
V117	q54_1	Q54. Where do you deposit the rest water after spraying? Citerne (phytobac, heliosec, sentinel, biofilter)	
V118	q54_2	Q54. Where do you deposit the rest water after spraying? In fields	
V119	q54_3	Q54. Where do you deposit the rest water after spraying? In rivers, streams, drain or via the ditch	
V120	q54_96	Q54. Where do you deposit the rest water after spraying? Other specify 1:	
V121	q54_oth1	Q54. Other 1:: Q54. Where do you deposit the rest water after spraying?	
V122	q54_oth2	Q54. Other 2:: Q54. Where do you deposit the rest water after spraying?	
V123	q55a_1	Q55a. Where do you clean your sprain equipment? On farm	
V124	q55b_1	Q55b. Where do you dispose the water used for cleaning you equipment? On field	
V125	q55b_2	Q55b. Where do you dispose the water used for cleaning you equipment? Citerne	
V126	q55b_3	Q55b. Where do you dispose the water used for cleaning you equipment? On an unpaved surface	
V127	q55b_4	Q55b. Where do you dispose the water used for cleaning you equipment? On a paved surface (drain / dike)	
V128	q55c	Q55. C. Do you store the sprayer protected from rain?	
V129	q55d	Q55. D. Do you use drift-reducing nozzles on your sprayer?	
V130	q72	Q72. When did the first field preparation start for growing area A for <TARGET CROP> ?	
V131	q123b	Q123. B. Which type of potatoes do you cultivate on growing area A for potato?	
V132	q123both	Q123. B. Other Which type of potatoes do you cultivate on growing area A for potato?	
V133	q74	Q74. When was the crop sown / planted for growing area A for <TARGET CROP>?	
V134	q231b	Q231B. Are your seeds coated with crop protection products?	
V135	q233	Q233. Do you use on-farm or pre-treated seed treatment to treat the seeds for growing area A for <TARGET CROP>?	
V136	q224	Q224. Do you apply organic fertilizers for <TARGET CROP>?	
V137	q226	Q226. Do you apply chemical fertilizers for <TARGET CROP>?	
V138	q229b1	Q229B1.Total number of applications you perform with chemical fertilizers on growing area for <TARGET CROP>?	
V139	q229b2	Q229B2.Total number of applications you perform with organic fertilizers on growing area for <TARGET CROP>?	
V140	q240d	Q240D. Note down the total number of treatments you perform with crop protection products	
V141	q243a	Q243. When was the harvest period for <TARGET CROP>?	
V142	q243b	Q243. When was the harvest period for <TARGET CROP>?	
V143	q274a	Q274. Yield that has been achieved for growing area A for corn in <TON> per <HECTARES>? Grain yield	
V144	q299	Q299. What is the tuber yield that has been achieved for potato in <TON>/<HECTARES>?	
V145	q360a	Q360. When was the harvest period for <TARGET CROP>?	
V146	q360b	Q360. When was the harvest period for <TARGET CROP>?	
V147	q319a	Q319. When was the harvest period for sugarcane?	
V148	q319b	Q319. When was the harvest period for sugarcane?	
V149	q339a	Q339. When was the harvest period for banana?	

ID	Name	Label	Question
V150	q339b	Q339. When was the harvest period for banana?	
V151	q377	Q377. What is the estimated revenue in <DOLLAR>/<HECTARES> for growing area A of <TARGET CROP>?	
V152	q378	Q378. Could you please indicate the estimated revenue in general? <DOLLAR>/<HECTARES>.	
V153	q379	Q379.A Can you please explain your answer for <TARGET CROP>?	
V154	q380	Q380. What is your total input cost for <TARGET CROP> from first field preparation until harvest?	
V155	q381_1	Q381. Percentage of TREES/SEED costs out of the total input cost for <TARGET CROP>?	
V156	q381_2	Q381. Percentage of FERTILIZERS costs out of the total input cost for <TARGET CROP>?	
V157	q381_3	Q381. Percentage of PESTICIDES costs out of the total input cost for <TARGET CROP>?	
V158	q381_4	Q381. Percentage of LABOR costs out of the total input cost for <TARGET CROP>?	
V159	q381_5	Q381. Percentage of MACHINERY costs of the total input cost for <TARGET CROP>?	
V160	q381_6	Q381. Percentage of WATER USE costs out of the total input cost for <TARGET CROP>?	
V161	q381_7	Q381. Percentage of FUEL costs out of the total input cost for <TARGET CROP>?	
V162	q381_8	Q381. Percentage of ELECTRICITY costs out of the total input cost for <TARGET CROP>?	
V163	q381_9	Q381. Percentage of GAS costs out of the total input cost for <TARGET CROP>?	
V164	q381_98	Q381. Percentage of OTHER costs out of the total input cost for <TARGET CROP>?	
V165	q388	Q388. How would you say the level of ranfall was for growing area A	
V166	q389	Q389. What is the MAIN water source of <TARGET CROP> during this season?	
V167	q390	Q390. What is the number of days you have been irrigating <TARGET CROP>?	
V168	q391	Q391. What is the average amount of hours per day you have been irrigating of <TARGET CROP>?	
V169	q392	Q392. What is the amount of liters that is discharged per hour of <TARGET CROP>?	
V170	q399c	Q399.C. How satisfied are you with the crop program and/or recommendations for <TARGET CROP>?	
V171	harvestyear	Data collection wave	
V172	q215	Q215. When did the first field preparation start for cauliflower?	
V173	q218	Q218. When have the young plants been planted for cauliflower?	
V174	q399	Q399. Please explain why you follow or do not follow the crop program and/or recommendations.	
V175	q397	Q397. Received a recommended growing protocol or crop program from an agricultural advisor?	
V176	q397c	Q397C. Did you receive a protocol/crop program from Syngenta?	
V177	q397d_oth	Q397.D. From which manufacturer have you received a protocol/crop program? OTHER	
V178	q35a_1	Q35.A. What group/association/cooperative are a member of? 1ST	
V179	q35a_2	Q35.A. What group/association/cooperative are a member of? 2ND	
V180	q35a_3	Q35.A. What group/association/cooperative are a member of? 3RD	
V181	q58	Q58. In general, what is the topography of your growing area?	
V182	q58oth	Q58. In general, what is the topography of your growing area? OTHER	
V183	q230_1	Bought seeds	
V184	q230_2	Saved seeds	
V185	q302	Q302. What is the percentage of decay for potato?	
V186	q303	Q303. What is the percentage of shrink loss for potato?	
V187	q4001	Q4001. % of crop lost in-between harvest and storage or selling <TARG1>?	
V188	q147	Q147. When have the young plants been planted ?	
V189	q301	Q301. What is the starch content per potato? (%)	

total: 116

Data file: Crop_protection

Cases:	0
variables:	30

variables

ID	Name	Label	Question
V190	harvestyear	Data collection wave	
V191	GrowingArea	To which field/plot does the information relate to?	
V192	ClusterID	Unique cluster ID	
V193	country	Country	
V194	Farmtype	FARMTYPE	
V195	GrowerID	Unique respondent ID	
V196	product	Unique code of a product within application	
V197	crop	The crop of focus	
V198	application	Unique code of an application per field per grower	
V199	q241a	Q241 a. Timing of product application	
V200	q241b	Q241 b.Type of product	
V201	q241c	Q241 c . Brand product name	
V202	q241c1	Q241 c1. Brand product formulation	
V203	c241c	CODED VARIABLE - stringcode	
V204	c241ca1	CODED VARIABLE - active ingredient1	
V205	c241cp1	CODED VARIABLE - amount of ai1	
V206	c241cu1	CODED VARIABLE - unit (% or Gr)	
V207	c241ca2	CODED VARIABLE - active ingredient2	
V208	c241cp2	CODED VARIABLE - amount of ai2	
V209	c241ca3	CODED VARIABLE - active ingredient3	
V210	c241cp3	CODED VARIABLE - amount of ai3	
V211	q241d	CODED VARIABLE Q241 d. Dosage ?	
V212	q241e	CODED VARIABLE Q241 e. Unit of quantity	
V213	q241f	Q241 f. Amount of H2O solved in LITERS per <HECTARE>	
V214	q241g	Q241 g. Pest/disease/ weed targeted ?	
V215	q241h	Q241 h. Level of pest/ disease/ weed pressure	
V216	q241i	Q241 i. Percentage of the area treated against pests/ diseases/ weeds	
V217	q241j	Q241 j. Percentage of crop free of pests/ diseases/ weeds at harvest (in %)	
V218	q241k	Q241 k. Equipment type ?	
V219	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 30

Data file: Location

Cases:	0
variables:	8

variables

ID	Name	Label	Question
V220	harvestyear	Year in which the data was collected	
V221	country	Country	
V222	ClusterID	Unique identifier per cluster	
V223	GrowerID	Unique identifier per grower	
V224	GrowingArea	Field code (A or B)	
V225	q1f	Q1. F. Would it be okay for you for this company to contact you with information on The GGP?	
V226	q25	Q25. Farm address - postal code	
V227	admin_level_1	administrative area 1	

total: 8

Data file: Activities and Machinery (Q382)

Cases:	0
variables:	9

variables

ID	Name	Label	Question
V228	harvestyear	Year in which the data was collected	
V229	country	Country	
V230	crop	Crop	
V231	ClusterID	Unique identifier per cluster	
V232	farmtype	Reference farms versus Benchmark farms	
V233	GrowerID	Unique identifier per grower	
V234	GrowingArea	Field code (A or B)	
V235	activity	Which activities did the grower do on his field?	
V236	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 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	A
2	B

CLUSTERID: Unique cluster ID

Data file: fertilizers

Overview

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

Questions and instructions

CATEGORIES

Value	Category
SouthafricaMaize1	SouthafricaMaize1
SouthafricaMaize2	SouthafricaMaize2
SouthafricaMaize3	SouthafricaMaize3
SouthafricaPotato1	SouthafricaPotato1
SouthafricaPotato2	SouthafricaPotato2

COUNTRY: Country

Data file: fertilizers

Overview

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

Questions and instructions

CATEGORIES

Value	Category
South Africa	South Africa

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
36111100	36111100
36111300	36111300
36111400	36111400
36111600	36111600
36111700	36111700
36111800	36111800
36111900	36111900
36112000	36112000
36121200	36121200
36126300	36126300
36211500	36211500
36212100	36212100
36212200	36212200
36215100	36215100
36215200	36215200
36215300	36215300
36215400	36215400
36215500	36215500
36215600	36215600
36215700	36215700
36215800	36215800
36215900	36215900
36216000	36216000
36216100	36216100
36216200	36216200
36216300	36216300
36216400	36216400
36216500	36216500
36216600	36216600
36216700	36216700
36216800	36216800
36216900	36216900

36217000	36217000
36217100	36217100
36217200	36217200
36217300	36217300
36217500	36217500
36217600	36217600
36217800	36217800
36220300	36220300
36220600	36220600
36220800	36220800
36220900	36220900
36221100	36221100
36221500	36221500
36221600	36221600
36221700	36221700
36221800	36221800
36222000	36222000
36222100	36222100
36222200	36222200
36222300	36222300
36224300	36224300
36224400	36224400
36224500	36224500
36224600	36224600
36224700	36224700
36224800	36224800
36225000	36225000
36225200	36225200
36225300	36225300
36225400	36225400
36225500	36225500
36225600	36225600
36225700	36225700
36226000	36226000
36226100	36226100
36226200	36226200

PRODUCT: Unique code of a product that was applied

Data file: fertilizers

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	1
10	10
11	11
12	12
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

CROP: The crop of focus

Data file: fertilizers

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Corn	Corn
Potato	Potato

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
2014-02-06	2014-02-06
2014-05-13	2014-05-13
2014-05-25	2014-05-25
2014-07-15	2014-07-15
2014-07-25	2014-07-25
2014-08-01	2014-08-01
2014-08-03	2014-08-03
2014-08-04	2014-08-04
2014-08-07	2014-08-07
2014-08-17	2014-08-17
2014-08-23	2014-08-23
2014-09-01	2014-09-01
2014-09-05	2014-09-05
2014-09-10	2014-09-10
2014-09-11	2014-09-11
2014-09-15	2014-09-15
2014-09-16	2014-09-16
2014-09-22	2014-09-22
2014-09-23	2014-09-23
2014-09-25	2014-09-25
2014-09-28	2014-09-28
2014-09-30	2014-09-30
2014-10-01	2014-10-01
2014-10-05	2014-10-05
2014-10-07	2014-10-07
2014-10-10	2014-10-10
2014-10-12	2014-10-12
2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-20	2014-10-20
2014-10-23	2014-10-23

2014-10-25	2014-10-25
2014-10-30	2014-10-30
2014-10-31	2014-10-31
2014-11-01	2014-11-01
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-05	2014-11-05
2014-11-08	2014-11-08
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-11	2014-11-11
2014-11-13	2014-11-13
2014-11-14	2014-11-14
2014-11-15	2014-11-15
2014-11-17	2014-11-17
2014-11-18	2014-11-18
2014-11-19	2014-11-19
2014-11-20	2014-11-20
2014-11-21	2014-11-21
2014-11-23	2014-11-23
2014-11-24	2014-11-24
2014-11-25	2014-11-25
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
2014-12-05	2014-12-05
2014-12-06	2014-12-06
2014-12-08	2014-12-08
2014-12-10	2014-12-10
2014-12-11	2014-12-11
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
2014-12-17	2014-12-17

2014-12-19	2014-12-19
2014-12-20	2014-12-20
2014-12-21	2014-12-21
2014-12-22	2014-12-22
2014-12-23	2014-12-23
2014-12-26	2014-12-26
2014-12-27	2014-12-27
2014-12-28	2014-12-28
2014-12-29	2014-12-29
2015-01-01	2015-01-01
2015-01-02	2015-01-02
2015-01-03	2015-01-03
2015-01-05	2015-01-05
2015-01-08	2015-01-08
2015-01-09	2015-01-09
2015-01-10	2015-01-10
2015-01-16	2015-01-16
2015-01-21	2015-01-21
2015-01-22	2015-01-22
2015-01-23	2015-01-23
2015-01-26	2015-01-26
2015-01-29	2015-01-29
2015-01-30	2015-01-30
2015-02-01	2015-02-01
2015-02-02	2015-02-02
2015-02-05	2015-02-05
2015-02-06	2015-02-06
2015-02-08	2015-02-08
2015-02-09	2015-02-09
2015-02-13	2015-02-13
2015-02-16	2015-02-16
2015-02-19	2015-02-19
2015-02-20	2015-02-20
2015-02-23	2015-02-23
2015-02-27	2015-02-27
2015-03-02	2015-03-02
2015-03-05	2015-03-05
2015-03-09	2015-03-09
2015-03-10	2015-03-10

2015-03-13	2015-03-13
2015-03-16	2015-03-16
2015-03-20	2015-03-20
2015-03-23	2015-03-23
2015-03-30	2015-03-30
2015-04-06	2015-04-06
2015-04-16	2015-04-16
2015-04-20	2015-04-20
2015-04-22	2015-04-22
2015-04-24	2015-04-24
2015-04-27	2015-04-27
2015-04-28	2015-04-28
2015-05-01	2015-05-01
2015-05-04	2015-05-04
2015-05-05	2015-05-05
2015-05-11	2015-05-11
2015-05-12	2015-05-12
2015-05-18	2015-05-18
2015-05-20	2015-05-20
2015-05-21	2015-05-21
2015-05-23	2015-05-23
2015-05-25	2015-05-25
2015-05-28	2015-05-28
2015-06-01	2015-06-01
2015-06-02	2015-06-02
2015-06-04	2015-06-04
2015-06-08	2015-06-08
2015-06-09	2015-06-09
2015-06-11	2015-06-11
2015-06-15	2015-06-15
2015-06-16	2015-06-16
2015-06-18	2015-06-18
2015-06-20	2015-06-20
2015-06-22	2015-06-22
2015-06-25	2015-06-25
2015-06-29	2015-06-29
2015-07-01	2015-07-01
2015-07-04	2015-07-04
2015-07-08	2015-07-08

2015-07-15	2015-07-15
2015-07-16	2015-07-16
2015-07-17	2015-07-17
2015-07-18	2015-07-18
2015-07-20	2015-07-20
2015-07-29	2015-07-29
2015-08-04	2015-08-04
2015-08-05	2015-08-05
2015-08-10	2015-08-10
2015-08-12	2015-08-12
2015-08-15	2015-08-15
2015-08-25	2015-08-25
2015-08-26	2015-08-26
2015-08-27	2015-08-27
2015-08-31	2015-08-31
2015-09-03	2015-09-03
2015-09-07	2015-09-07
2015-09-09	2015-09-09
2015-09-10	2015-09-10
2015-09-12	2015-09-12
2015-09-14	2015-09-14
2015-09-15	2015-09-15
2015-09-16	2015-09-16
2015-09-19	2015-09-19
2015-09-20	2015-09-20
2015-09-21	2015-09-21
2015-09-22	2015-09-22
2015-09-29	2015-09-29
2015-10-09	2015-10-09
2015-10-13	2015-10-13
2015-10-15	2015-10-15
2015-10-19	2015-10-19
2015-10-27	2015-10-27
2015-10-29	2015-10-29
2015-10-31	2015-10-31
2015-11-03	2015-11-03
2015-11-10	2015-11-10
2015-11-12	2015-11-12
2015-11-13	2015-11-13

2015-11-16	2015-11-16
2015-11-19	2015-11-19
2015-11-26	2015-11-26

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: 5 - 1000   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 - 6200   Format: Numeric

Q229CG: Q229C g. Percentage N (in %)

Data file: fertilizers

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 82.5   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 - 44   Format: Numeric

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Q229CI: Q229C i. Percentage K (K2O) (in %)

Data file: fertilizers

Overview

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

---

HARVESTYEAR: Data collection wave

Data file: seed_treatment

Overview

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

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

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

CLUSTERID: Unique cluster ID

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
SouthafricaMaize1	SouthafricaMaize1
SouthafricaMaize2	SouthafricaMaize2
SouthafricaMaize4	SouthafricaMaize4
SouthafricaPotato1	SouthafricaPotato1
SouthafricaPotato2	SouthafricaPotato2

COUNTRY: Country

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
South Africa	South Africa

▍ 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
36111100	36111100
36111300	36111300
36111400	36111400
36112000	36112000
36117700	36117700
36121200	36121200

36126300	36126300
36215100	36215100
36215200	36215200
36215300	36215300
36216400	36216400
36216500	36216500
36216600	36216600
36217000	36217000
36217100	36217100
36217500	36217500
36217600	36217600
36220300	36220300
36220900	36220900
36221100	36221100
36221500	36221500
36221600	36221600
36221700	36221700
36221800	36221800
36222000	36222000
36222100	36222100
36222200	36222200
36224400	36224400
36224500	36224500
36224600	36224600
36224800	36224800
36224900	36224900
36225100	36225100
36225200	36225200
36225300	36225300
36225500	36225500
36225600	36225600
36226000	36226000
36226200	36226200

PRODUCT: Unique code of a product that was applied

Data file: seed_treatment

Overview

Valid: 0   Invalid: 0

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

Questions and instructions

CATEGORIES

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

CROP: The crop of focus

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Corn	Corn
Potato	Potato

Q233C_A: Q233C. a. Timing of product application

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2014-01-31	2014-01-31
2014-02-14	2014-02-14
2014-09-01	2014-09-01
2014-09-05	2014-09-05

2014-09-10	2014-09-10
2014-09-15	2014-09-15
2014-09-22	2014-09-22
2014-10-10	2014-10-10
2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-18	2014-10-18
2014-10-26	2014-10-26
2014-10-30	2014-10-30
2014-10-31	2014-10-31
2014-11-01	2014-11-01
2014-11-15	2014-11-15
2014-11-17	2014-11-17
2014-11-19	2014-11-19
2014-11-25	2014-11-25
2014-11-30	2014-11-30
2014-12-01	2014-12-01
2014-12-02	2014-12-02
2014-12-03	2014-12-03
2014-12-10	2014-12-10
2014-12-15	2014-12-15
2014-12-19	2014-12-19
2015-01-04	2015-01-04
2015-01-10	2015-01-10
2015-02-01	2015-02-01
2015-02-09	2015-02-09
2015-02-10	2015-02-10
2015-02-23	2015-02-23
2015-03-06	2015-03-06
2015-04-07	2015-04-07
2015-06-01	2015-06-01
2015-06-10	2015-06-10
2015-08-03	2015-08-03
2015-08-10	2015-08-10
2015-09-15	2015-09-15
2015-09-22	2015-09-22

Q233C_B: Q233C. b.Type of product

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

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

Q233C_C: Q233C. c. Brand product name

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q233C_C2: Q233C. c2. Brand product formulation

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C233C_C: CODED VARIABLE - stringcode

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C233CA1: CODED VARIABLE - active ingredient1

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2,4 D	2,4 D
ACETOCHLORE	ACETOCHLORE
ALPHA-CYPERMETHRIN	ALPHA-CYPERMETHRIN
ATRAZINE	ATRAZINE
CARBOSULFAN	CARBOSULFAN
CLETHODIM	CLETHODIM
CLOTHIANIDINE	CLOTHIANIDINE
Do not know	Do not know
FLUDIOXONIL	FLUDIOXONIL
GIBBERELLIC ACID	GIBBERELLIC ACID
GLYPHOSATE	GLYPHOSATE
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
LUFENURON	LUFENURON
MANCOZEB (VONDOZEB)	MANCOZEB (VONDOZEB)
MESOTRIONE	MESOTRIONE

METAZACHLOR	METAZACHLOR
PENCYCURON	PENCYCURON
PIRAKLOSTOBIN	PIRAKLOSTOBIN
PROCHLORAZ	PROCHLORAZ
S-METOLACHLOR	S-METOLACHLOR
TEBUCONAZOLE	TEBUCONAZOLE
THIAMETHOXAM	THIAMETHOXAM
TOLCLOFOS M	TOLCLOFOS M
TRICHODERMA HARZIANUM	TRICHODERMA HARZIANUM
ZINC PHOSPHIDE	ZINC PHOSPHIDE

C233CP1: CODED VARIABLE - amount of ai1

Data file: seed_treatment

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 25 - 915   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
METALAXIL	METALAXIL
PYDIFLUMETOFEN	PYDIFLUMETOFEN
TERBUTYLAZINE	TERBUTYLAZINE
TRIFLOXYSTROBINE	TRIFLOXYSTROBINE

C233CP2: CODED VARIABLE - amount of ai2

Data file: seed_treatment

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 10 - 416.7   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
ATRAZINE	ATRAZINE

C233CP3: CODED VARIABLE - amount of ai3

Data file: seed_treatment

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 208.5 - 208.5   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 - 19   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	100
2	1
3	200
4	50
5	60
6	300
7	150
8	40
9	80
10	750
11	600
12	250
13	25
14	1500
15	10
16	16
17	140
18	175
19	62

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

Q233C_F: Q233C. f. PRODUCT 1: Amount of H2O solved in LITERS per

Data file: seed_treatment

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 1 - 3500   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
99	99
Alworm	Alworm
Broad leaf	Broad leaf
Broad leaf grass	Broad leaf grass
Broadleaf weeds	Broadleaf weeds
Don't know / no answer	Don't know / no answer
Fisadiam Risetonia	Fisadiam Risetonia
Fisadian	Fisadian
Fungus	Fungus
Fusarin, Rhizactonia, stimulate growth	Fusarin, Rhizactonia, stimulate growth
Fusarin, Rizactonia, stimulate growth	Fusarin, Rizactonia, stimulate growth
Gerbilles	Gerbilles
Gowth management	Gowth management
Grasses to rise	Grasses to rise
Grasshopper and rats	Grasshopper and rats
Ground insects	Ground insects
Head and crop brand	Head and crop brand
Insect killers	Insect killers
Insects	Insects
Insects and fungus	Insects and fungus

Moth	Moth
Pest Control	Pest Control
Pest control	Pest control
Pests	Pests
Phitiam	Phitiam
Potato scab disease	Potato scab disease
Risetonia ph ritiom	Risetonia ph ritiom
Risitonia	Risitonia
Rizentonia	Rizentonia
Rizetonia	Rizetonia
Rosedonia	Rosedonia
Sem cancer	Sem cancer
Sny wurms	Sny wurms
Stem cancer	Stem cancer
Weed	Weed
Weed killers	Weed killers
Worms	Worms
black rough tribe cancer fusarium	black rough tribe cancer fusarium
black scab	black scab
broad leaf grass	broad leaf grass
broadleaf weed	broadleaf weed
brown scab	brown scab
disease	disease
diseases	diseases
eintjies	eintjies
fungus	fungus
fungus killer	fungus killer
gerbilles	gerbilles
grass killer	grass killer
grasshopper and rats	grasshopper and rats
grebilles	grebilles
growth management	growth management
head and crop brand	head and crop brand
insects	insects
potato scab disease	potato scab disease
rosedonia	rosedonia
silverrough black spots	silverrough black spots
stem cancer	stem cancer
stemcancer	stemcancer

stimulate halim number	stimulate halim number
weed	weed
weed killer	weed killer
weed killers	weed killers

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 - 2015   Format: Numeric

REGION: Syngenta's definition of Region

Data file: Farm_level_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
eame	eame

TERRITORY: Syngenta's definition of Territory

Data file: Farm_level_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
africa middle-east	africa middle-east

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

Data file: Farm_level_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

CLUSTERID: Unique cluster ID

Data file: Farm_level_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
southafricamaize1	southafricamaize1
southafricamaize2	southafricamaize2
southafricamaize3	southafricamaize3
southafricamaize4	southafricamaize4
southafricapotato1	southafricapotato1
southafricapotato2	southafricapotato2

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
South Africa	South Africa

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
36110200	36110200
36111100	36111100
36111300	36111300
36111400	36111400
36111600	36111600
36111700	36111700
36111800	36111800
36111900	36111900
36112000	36112000
36117700	36117700
36120100	36120100
36121200	36121200
36126300	36126300
36211200	36211200
36211300	36211300
36211400	36211400

36211500	36211500
36211600	36211600
36211700	36211700
36211800	36211800
36211900	36211900
36212000	36212000
36212100	36212100
36212200	36212200
36212300	36212300
36212400	36212400
36212500	36212500
36212600	36212600
36212700	36212700
36212800	36212800
36212900	36212900
36213000	36213000
36213100	36213100
36215100	36215100
36215200	36215200
36215300	36215300
36215400	36215400
36215500	36215500
36215600	36215600
36215700	36215700
36215800	36215800
36215900	36215900
36216000	36216000
36216100	36216100
36216200	36216200
36216300	36216300
36216400	36216400
36216500	36216500
36216600	36216600
36216700	36216700
36216800	36216800
36216900	36216900
36217000	36217000
36217100	36217100
36217200	36217200

36217300	36217300
36217500	36217500
36217600	36217600
36217800	36217800
36220300	36220300
36220400	36220400
36220600	36220600
36220700	36220700
36220800	36220800
36220900	36220900
36221000	36221000
36221100	36221100
36221200	36221200
36221300	36221300
36221400	36221400
36221500	36221500
36221600	36221600
36221700	36221700
36221800	36221800
36221900	36221900
36222000	36222000
36222100	36222100
36222200	36222200
36222300	36222300
36224300	36224300
36224400	36224400
36224500	36224500
36224600	36224600
36224700	36224700
36224800	36224800
36224900	36224900
36225000	36225000
36225100	36225100
36225200	36225200
36225300	36225300
36225400	36225400
36225500	36225500
36225600	36225600
36225700	36225700

36226000	36226000
36226100	36226100
36226200	36226200

CROP: The crop of focus

Data file: Farm_level_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
corn	corn
potato	potato

AREASIZE: Q57. Size of growing area A for in

Data file: Farm_level_data

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 1 - 4000   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: 1 - 6000   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: 2 - 7000   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: 1.5 - 95   Format: Numeric

▍PESTICIDEAPPLICATIONEFFIICIENCY: 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 - 2.66666666666667   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 - 112   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 - 10   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 - 15.3703703703704   Format: Numeric

▍SEEDEFFICIENCY: Kgs of seeds used per ton produced

Data file: Farm_level_data

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 0.2 - 300   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 - 5.19537866666667   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 - 5.08148533333333   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 - 0.58578   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 - 0.136   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 - 90000   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: 0.00666666666666667 - 7.49279279279279   Format: Numeric

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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: 0.00333333333333333 - 7.42612612612613   Format: Numeric

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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

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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
2013-10-10	2013-10-10
2013-10-15	2013-10-15
2013-11-15	2013-11-15
2013-11-28	2013-11-28
2013-12-01	2013-12-01
2013-12-05	2013-12-05
2014-01-01	2014-01-01
2014-01-02	2014-01-02
2014-01-03	2014-01-03
2014-01-05	2014-01-05
2014-01-06	2014-01-06
2014-01-07	2014-01-07
2014-01-10	2014-01-10
2014-01-12	2014-01-12
2014-01-15	2014-01-15
2014-01-26	2014-01-26
2014-01-31	2014-01-31
2014-02-01	2014-02-01
2014-02-02	2014-02-02
2014-02-14	2014-02-14

2014-02-15	2014-02-15
2014-02-16	2014-02-16
2014-03-05	2014-03-05
2014-03-12	2014-03-12
2014-03-31	2014-03-31
2014-04-01	2014-04-01
2014-04-04	2014-04-04
2014-04-05	2014-04-05
2014-04-07	2014-04-07
2014-04-15	2014-04-15
2014-04-23	2014-04-23
2014-05-01	2014-05-01
2014-05-15	2014-05-15
2014-05-30	2014-05-30
2014-06-01	2014-06-01
2014-06-15	2014-06-15
2014-06-16	2014-06-16
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-15	2014-07-15
2014-07-20	2014-07-20
2014-07-25	2014-07-25
2014-08-01	2014-08-01
2014-08-03	2014-08-03
2014-08-08	2014-08-08
2014-08-15	2014-08-15
2014-08-17	2014-08-17
2014-08-20	2014-08-20
2014-08-25	2014-08-25
2014-09-01	2014-09-01
2014-09-05	2014-09-05
2014-09-10	2014-09-10
2014-09-11	2014-09-11
2014-09-15	2014-09-15
2014-09-21	2014-09-21
2014-09-23	2014-09-23
2014-10-01	2014-10-01
2014-10-05	2014-10-05
2014-10-07	2014-10-07

2014-10-10	2014-10-10
2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-19	2014-10-19
2014-10-30	2014-10-30
2014-11-01	2014-11-01
2014-11-10	2014-11-10
2014-11-15	2014-11-15
2014-12-01	2014-12-01
2014-12-10	2014-12-10
2015-01-14	2015-01-14
2015-01-26	2015-01-26
2015-03-01	2015-03-01
2015-05-23	2015-05-23
2015-06-22	2015-06-22
2015-07-03	2015-07-03
2015-07-15	2015-07-15
2015-07-20	2015-07-20
2015-08-15	2015-08-15

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
2014-01-02	2014-01-02
2014-01-07	2014-01-07
2014-01-09	2014-01-09
2014-01-10	2014-01-10
2014-01-15	2014-01-15
2014-01-18	2014-01-18
2014-01-19	2014-01-19

2014-01-20	2014-01-20
2014-01-21	2014-01-21
2014-01-25	2014-01-25
2014-01-28	2014-01-28
2014-01-30	2014-01-30
2014-01-31	2014-01-31
2014-02-03	2014-02-03
2014-02-06	2014-02-06
2014-02-15	2014-02-15
2014-02-20	2014-02-20
2014-03-15	2014-03-15
2014-03-16	2014-03-16
2014-03-17	2014-03-17
2014-04-01	2014-04-01
2014-04-10	2014-04-10
2014-04-13	2014-04-13
2014-04-15	2014-04-15
2014-04-16	2014-04-16
2014-04-18	2014-04-18
2014-04-27	2014-04-27
2014-05-01	2014-05-01
2014-05-15	2014-05-15
2014-06-22	2014-06-22
2014-07-15	2014-07-15
2014-07-16	2014-07-16
2014-09-01	2014-09-01
2014-09-10	2014-09-10
2014-09-15	2014-09-15
2014-09-16	2014-09-16
2014-09-20	2014-09-20
2014-09-21	2014-09-21
2014-09-22	2014-09-22
2014-09-23	2014-09-23
2014-10-01	2014-10-01
2014-10-05	2014-10-05
2014-10-07	2014-10-07
2014-10-10	2014-10-10
2014-10-14	2014-10-14
2014-10-18	2014-10-18

2014-10-23	2014-10-23
2014-10-30	2014-10-30
2014-10-31	2014-10-31
2014-11-01	2014-11-01
2014-11-03	2014-11-03
2014-11-09	2014-11-09
2014-11-15	2014-11-15
2014-11-17	2014-11-17
2014-11-19	2014-11-19
2014-11-20	2014-11-20
2014-11-23	2014-11-23
2014-11-25	2014-11-25
2014-12-01	2014-12-01
2014-12-02	2014-12-02
2014-12-03	2014-12-03
2014-12-05	2014-12-05
2014-12-07	2014-12-07
2014-12-08	2014-12-08
2014-12-10	2014-12-10
2014-12-11	2014-12-11
2014-12-14	2014-12-14
2014-12-16	2014-12-16
2014-12-29	2014-12-29
2015-01-01	2015-01-01
2015-01-03	2015-01-03
2015-01-04	2015-01-04
2015-01-05	2015-01-05
2015-01-10	2015-01-10
2015-01-12	2015-01-12
2015-01-26	2015-01-26
2015-01-31	2015-01-31
2015-02-09	2015-02-09
2015-02-10	2015-02-10
2015-02-23	2015-02-23
2015-03-20	2015-03-20
2015-03-23	2015-03-23
2015-04-01	2015-04-01
2015-04-27	2015-04-27
2015-05-01	2015-05-01

2015-06-01	2015-06-01
2015-06-10	2015-06-10
2015-06-15	2015-06-15
2015-06-29	2015-06-29
2015-07-01	2015-07-01
2015-07-06	2015-07-06
2015-07-10	2015-07-10
2015-07-20	2015-07-20
2015-07-22	2015-07-22
2015-08-03	2015-08-03
2015-08-04	2015-08-04
2015-08-10	2015-08-10
2015-08-15	2015-08-15
2015-09-15	2015-09-15

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
2014-06-01	2014-06-01
2014-06-05	2014-06-05
2014-06-15	2014-06-15
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-04	2014-07-04
2014-07-10	2014-07-10
2014-07-20	2014-07-20
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-28	2014-07-28
2014-07-31	2014-07-31
2014-08-01	2014-08-01

2014-08-05	2014-08-05
2014-08-10	2014-08-10
2014-09-10	2014-09-10
2014-10-01	2014-10-01
2014-10-07	2014-10-07
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-13	2014-10-13
2014-10-15	2014-10-15
2014-10-23	2014-10-23
2014-10-27	2014-10-27
2014-11-01	2014-11-01
2014-11-25	2014-11-25
2014-12-15	2014-12-15
2014-12-17	2014-12-17
2015-01-01	2015-01-01
2015-01-15	2015-01-15
2015-02-01	2015-02-01
2015-02-02	2015-02-02
2015-02-10	2015-02-10
2015-02-15	2015-02-15
2015-03-01	2015-03-01
2015-03-10	2015-03-10
2015-03-15	2015-03-15
2015-03-20	2015-03-20
2015-03-21	2015-03-21
2015-03-24	2015-03-24
2015-03-25	2015-03-25
2015-04-01	2015-04-01
2015-04-15	2015-04-15
2015-04-20	2015-04-20
2015-04-29	2015-04-29
2015-04-30	2015-04-30
2015-05-01	2015-05-01
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
2015-05-15	2015-05-15
2015-05-18	2015-05-18
2015-05-20	2015-05-20
2015-05-22	2015-05-22
2015-05-28	2015-05-28
2015-05-30	2015-05-30
2015-06-01	2015-06-01
2015-06-02	2015-06-02
2015-06-05	2015-06-05
2015-06-06	2015-06-06
2015-06-10	2015-06-10
2015-06-12	2015-06-12
2015-06-15	2015-06-15
2015-06-19	2015-06-19
2015-06-25	2015-06-25
2015-06-29	2015-06-29
2015-06-30	2015-06-30
2015-07-01	2015-07-01
2015-07-05	2015-07-05
2015-07-06	2015-07-06
2015-07-13	2015-07-13
2015-07-15	2015-07-15
2015-07-17	2015-07-17
2015-08-01	2015-08-01
2015-08-03	2015-08-03
2015-08-04	2015-08-04
2015-09-13	2015-09-13
2015-10-01	2015-10-01
2015-10-19	2015-10-19
2015-10-20	2015-10-20
2015-10-26	2015-10-26
2015-11-01	2015-11-01
2015-11-02	2015-11-02
2015-11-10	2015-11-10
2015-11-11	2015-11-11
2015-11-16	2015-11-16
2015-11-23	2015-11-23
2015-11-27	2015-11-27

| 2016-01-04 | 2016-01-04 |
| 2016-01-15 | 2016-01-15 |

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
2014-06-15	2014-06-15
2014-06-26	2014-06-26
2014-06-29	2014-06-29
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-08	2014-07-08
2014-07-12	2014-07-12
2014-07-15	2014-07-15
2014-07-21	2014-07-21
2014-07-31	2014-07-31
2014-08-01	2014-08-01
2014-08-05	2014-08-05
2014-08-08	2014-08-08
2014-08-10	2014-08-10
2014-08-15	2014-08-15
2014-08-24	2014-08-24
2014-08-30	2014-08-30
2014-09-08	2014-09-08
2014-09-20	2014-09-20
2014-10-27	2014-10-27
2014-11-04	2014-11-04
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-15	2014-11-15
2014-11-20	2014-11-20

2014-11-28	2014-11-28
2014-11-30	2014-11-30
2014-12-15	2014-12-15
2014-12-16	2014-12-16
2014-12-17	2014-12-17
2014-12-24	2014-12-24
2014-12-30	2014-12-30
2015-01-18	2015-01-18
2015-02-01	2015-02-01
2015-02-02	2015-02-02
2015-02-10	2015-02-10
2015-03-15	2015-03-15
2015-03-31	2015-03-31
2015-04-01	2015-04-01
2015-04-10	2015-04-10
2015-04-30	2015-04-30
2015-05-01	2015-05-01
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
2015-05-16	2015-05-16
2015-05-18	2015-05-18
2015-05-20	2015-05-20
2015-05-21	2015-05-21
2015-05-24	2015-05-24
2015-05-30	2015-05-30
2015-06-01	2015-06-01
2015-06-02	2015-06-02
2015-06-05	2015-06-05
2015-06-06	2015-06-06
2015-06-09	2015-06-09
2015-06-10	2015-06-10
2015-06-12	2015-06-12
2015-06-14	2015-06-14
2015-06-15	2015-06-15
2015-06-19	2015-06-19

2015-06-20	2015-06-20
2015-06-22	2015-06-22
2015-06-24	2015-06-24
2015-06-27	2015-06-27
2015-06-30	2015-06-30
2015-07-01	2015-07-01
2015-07-02	2015-07-02
2015-07-05	2015-07-05
2015-07-09	2015-07-09
2015-07-10	2015-07-10
2015-07-15	2015-07-15
2015-07-20	2015-07-20
2015-07-23	2015-07-23
2015-07-25	2015-07-25
2015-07-30	2015-07-30
2015-08-01	2015-08-01
2015-08-10	2015-08-10
2015-08-18	2015-08-18
2015-08-30	2015-08-30
2015-08-31	2015-08-31
2015-09-15	2015-09-15
2015-09-30	2015-09-30
2015-10-23	2015-10-23
2015-11-01	2015-11-01
2015-11-06	2015-11-06
2015-11-09	2015-11-09
2015-11-10	2015-11-10
2015-11-11	2015-11-11
2015-11-12	2015-11-12
2015-11-16	2015-11-16
2015-11-20	2015-11-20
2015-11-27	2015-11-27
2015-12-03	2015-12-03
2015-12-10	2015-12-10
2015-12-15	2015-12-15
2015-12-16	2015-12-16
2015-12-19	2015-12-19
2015-12-20	2015-12-20
2015-12-21	2015-12-21

2015-12-28	2015-12-28
2016-01-25	2016-01-25
2016-03-01	2016-03-01

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
africa middle-east	africa middle-east

COUNTRY: Country

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
South Africa	South Africa

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
southafricamaize1	southafricamaize1
southafricamaize2	southafricamaize2
southafricamaize3	southafricamaize3
southafricamaize4	southafricamaize4
southafricapotato1	southafricapotato1

southafricapotato2	southafricapotato2

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
36110200	36110200
36111100	36111100
36111300	36111300
36111400	36111400
36111600	36111600
36111700	36111700
36111800	36111800
36111900	36111900
36112000	36112000
36117700	36117700
36120100	36120100
36121200	36121200
36126300	36126300
36211200	36211200
36211300	36211300
36211400	36211400
36211500	36211500
36211600	36211600
36211700	36211700
36211800	36211800
36211900	36211900
36212000	36212000
36212100	36212100
36212200	36212200
36212300	36212300
36212400	36212400

36212500	36212500
36212600	36212600
36212700	36212700
36212800	36212800
36212900	36212900
36213000	36213000
36213100	36213100
36215100	36215100
36215200	36215200
36215300	36215300
36215400	36215400
36215500	36215500
36215600	36215600
36215700	36215700
36215800	36215800
36215900	36215900
36216000	36216000
36216100	36216100
36216200	36216200
36216300	36216300
36216400	36216400
36216500	36216500
36216600	36216600
36216700	36216700
36216800	36216800
36216900	36216900
36217000	36217000
36217100	36217100
36217200	36217200
36217300	36217300
36217500	36217500
36217600	36217600
36217800	36217800
36220300	36220300
36220400	36220400
36220600	36220600
36220700	36220700
36220800	36220800
36220900	36220900

36221000	36221000
36221100	36221100
36221200	36221200
36221300	36221300
36221400	36221400
36221500	36221500
36221600	36221600
36221700	36221700
36221800	36221800
36221900	36221900
36222000	36222000
36222100	36222100
36222200	36222200
36222300	36222300
36224300	36224300
36224400	36224400
36224500	36224500
36224600	36224600
36224700	36224700
36224800	36224800
36224900	36224900
36225000	36225000
36225100	36225100
36225200	36225200
36225300	36225300
36225400	36225400
36225500	36225500
36225600	36225600
36225700	36225700
36226000	36226000
36226100	36226100
36226200	36226200

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
a	a
b	b

▍FARMTYPE: 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

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

▍CROP: Crop of focus

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
corn	corn
potato	potato

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 - 1983   Format: Numeric

Q28: Q28. Gender

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category

1	male
2	female

Q31: Q31. Until what age did you go to school?

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0
Type: Discrete   Decimal: 0   Width: 12   Range: 14 - 30   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

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
02	02
03	03
04	04
05	05
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

CATEGORIES

Value	Category
1	no
2	yes

Q66_15: Q66. Which crops do you intercrop? Soybean

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_18: Q66. Which crops do you intercrop? Sunflower

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_19: Q66. Which crops do you intercrop? Tomato

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_21: Q66. Which crops do you intercrop? Wheat

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

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 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q66_1: Q66. Which crops do you intercrop? 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

Q66_7: Q66. Which crops do you intercrop? Corn

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q66_10: Q66. Which crops do you intercrop? Oilseed rape

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_13: Q66. Which crops do you intercrop? Potato

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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_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_9: Q61. What crops are you cultivating in rotation? Grape

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned

2	mentioned

Q61_12: Q61. What crops are you cultivating in rotation? Pepper

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_13: Q61. What crops are you cultivating in rotation? Potato

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_14: Q61. What crops are you cultivating in rotation? Rice

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category

1	not mentioned
2	mentioned

Q61_15: Q61. What crops are you cultivating in rotation? Soybean

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_18: Q61. What crops are you cultivating in rotation? Sunflower

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_19: Q61. What crops are you cultivating in rotation? Tomato

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q61_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

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	clay soil
3	clay loam soil
4	loamy sand soil
5	sandy loam soil
6	silty clay loam soil
7	sandy clay loam soil
8	loam soil
9	sand soil
10	other. specify:

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q54_1: Q54. Where do you deposit the rest water after spraying? Citerne (phytobac, heliosec, 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_3: Q54. Where do you deposit the rest water after spraying? In rivers, streams, drain or via the ditch

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	Mentioned

Q54_96: Q54. Where do you deposit the rest water after spraying? Other specify 1:

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	Mentioned

Q54_OTH1: Q54. Other 1:: Q54. Where do you deposit the rest water after spraying?

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category

Jojo tanks	Jojo tanks
No rest water	No rest water
Spray around	Spray around
in the tanker	in the tanker

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
Small dams next to windmills	Small dams next to windmills

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

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 - 1   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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

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
2013-10-10	2013-10-10
2013-10-15	2013-10-15
2013-11-15	2013-11-15
2013-11-28	2013-11-28
2013-12-01	2013-12-01
2013-12-05	2013-12-05
2014-01-01	2014-01-01
2014-01-02	2014-01-02
2014-01-03	2014-01-03
2014-01-05	2014-01-05
2014-01-06	2014-01-06
2014-01-07	2014-01-07
2014-01-10	2014-01-10
2014-01-15	2014-01-15
2014-02-01	2014-02-01
2014-02-15	2014-02-15
2014-02-16	2014-02-16
2014-03-05	2014-03-05
2014-03-12	2014-03-12
2014-03-31	2014-03-31
2014-04-05	2014-04-05
2014-04-07	2014-04-07
2014-06-16	2014-06-16

Q123B: Q123. B. Which type of potatoes do you cultivate on growing area A for potato?

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category

1	potatoes for fresh use
2	potatoes for process use

Q123BOTH: Q123. B. Other Which type of potatoes do you cultivate on growing area A for potato?

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Seed potato	Seed potato

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
2014-01-02	2014-01-02
2014-01-07	2014-01-07
2014-01-09	2014-01-09
2014-01-10	2014-01-10
2014-01-15	2014-01-15
2014-01-18	2014-01-18
2014-01-19	2014-01-19
2014-01-20	2014-01-20
2014-01-21	2014-01-21
2014-01-25	2014-01-25
2014-01-28	2014-01-28
2014-01-30	2014-01-30

2014-01-31	2014-01-31
2014-02-03	2014-02-03
2014-02-06	2014-02-06
2014-02-15	2014-02-15
2014-02-20	2014-02-20
2014-03-15	2014-03-15
2014-03-16	2014-03-16
2014-03-17	2014-03-17
2014-04-01	2014-04-01
2014-04-10	2014-04-10
2014-04-13	2014-04-13
2014-04-15	2014-04-15
2014-04-16	2014-04-16
2014-04-18	2014-04-18
2014-04-27	2014-04-27
2014-05-01	2014-05-01
2014-05-15	2014-05-15
2014-06-22	2014-06-22
2014-07-15	2014-07-15
2014-07-16	2014-07-16

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	pre-treated seed treatment
2	on-farm seed treatment

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 - 12   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 - 2   Format: Numeric

Q240D: Q240D. Note down the total number of treatments you perform with crop protection products

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 15   Format: Numeric

Q243A: Q243. When was the harvest period for ?

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2014-06-01	2014-06-01
2014-06-05	2014-06-05
2014-06-15	2014-06-15
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-04	2014-07-04
2014-07-10	2014-07-10

2014-07-20	2014-07-20
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-28	2014-07-28
2014-07-31	2014-07-31
2014-08-01	2014-08-01
2014-08-05	2014-08-05
2014-08-10	2014-08-10
2014-09-10	2014-09-10
2014-10-01	2014-10-01
2014-10-07	2014-10-07
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-13	2014-10-13
2014-10-15	2014-10-15
2014-10-23	2014-10-23
2014-10-27	2014-10-27
2014-11-01	2014-11-01
2014-11-25	2014-11-25
2014-12-17	2014-12-17
2015-01-15	2015-01-15

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
2014-06-15	2014-06-15
2014-06-26	2014-06-26
2014-06-29	2014-06-29
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-08	2014-07-08

2014-07-12	2014-07-12
2014-07-15	2014-07-15
2014-07-21	2014-07-21
2014-07-31	2014-07-31
2014-08-01	2014-08-01
2014-08-05	2014-08-05
2014-08-08	2014-08-08
2014-08-10	2014-08-10
2014-08-15	2014-08-15
2014-08-24	2014-08-24
2014-08-30	2014-08-30
2014-09-08	2014-09-08
2014-09-20	2014-09-20
2014-10-27	2014-10-27
2014-11-04	2014-11-04
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-15	2014-11-15
2014-11-20	2014-11-20
2014-11-28	2014-11-28
2014-11-30	2014-11-30
2014-12-15	2014-12-15
2014-12-16	2014-12-16
2014-12-17	2014-12-17
2014-12-30	2014-12-30
2015-01-18	2015-01-18
2015-02-10	2015-02-10

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

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 1.5 - 11.5   Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 23 - 95   Format: Numeric

---

Q360A: Q360. When was the harvest period for ?

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2014-06-01	2014-06-01
2014-06-05	2014-06-05
2014-06-15	2014-06-15
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-04	2014-07-04
2014-07-10	2014-07-10
2014-07-20	2014-07-20
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-28	2014-07-28
2014-07-31	2014-07-31
2014-08-01	2014-08-01
2014-08-05	2014-08-05
2014-08-10	2014-08-10
2014-09-10	2014-09-10
2014-10-01	2014-10-01
2014-10-07	2014-10-07
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-13	2014-10-13
2014-10-15	2014-10-15
2014-10-23	2014-10-23
2014-10-27	2014-10-27
2014-11-01	2014-11-01

2014-11-25	2014-11-25
2014-12-17	2014-12-17
2015-01-15	2015-01-15

▌ 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
2014-06-15	2014-06-15
2014-06-26	2014-06-26
2014-06-29	2014-06-29
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-08	2014-07-08
2014-07-12	2014-07-12
2014-07-15	2014-07-15
2014-07-21	2014-07-21
2014-07-31	2014-07-31
2014-08-01	2014-08-01
2014-08-05	2014-08-05
2014-08-08	2014-08-08
2014-08-10	2014-08-10
2014-08-15	2014-08-15
2014-08-24	2014-08-24
2014-08-30	2014-08-30
2014-09-08	2014-09-08
2014-09-20	2014-09-20
2014-10-27	2014-10-27
2014-11-04	2014-11-04
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-15	2014-11-15

2014-11-20	2014-11-20
2014-11-28	2014-11-28
2014-11-30	2014-11-30
2014-12-15	2014-12-15
2014-12-16	2014-12-16
2014-12-17	2014-12-17
2014-12-30	2014-12-30
2015-01-18	2015-01-18
2015-02-10	2015-02-10

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2014-06-01	2014-06-01
2014-06-05	2014-06-05
2014-06-15	2014-06-15
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-04	2014-07-04
2014-07-10	2014-07-10
2014-07-20	2014-07-20
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-28	2014-07-28
2014-07-31	2014-07-31
2014-08-01	2014-08-01
2014-08-05	2014-08-05
2014-08-10	2014-08-10
2014-09-10	2014-09-10
2014-10-01	2014-10-01
2014-10-07	2014-10-07

2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-13	2014-10-13
2014-10-15	2014-10-15
2014-10-23	2014-10-23
2014-10-27	2014-10-27
2014-11-01	2014-11-01
2014-11-25	2014-11-25
2014-12-17	2014-12-17
2015-01-15	2015-01-15

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2014-06-15	2014-06-15
2014-06-26	2014-06-26
2014-06-29	2014-06-29
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-08	2014-07-08
2014-07-12	2014-07-12
2014-07-15	2014-07-15
2014-07-21	2014-07-21
2014-07-31	2014-07-31
2014-08-01	2014-08-01
2014-08-05	2014-08-05
2014-08-08	2014-08-08
2014-08-10	2014-08-10
2014-08-15	2014-08-15
2014-08-24	2014-08-24
2014-08-30	2014-08-30

2014-09-08	2014-09-08
2014-09-20	2014-09-20
2014-10-27	2014-10-27
2014-11-04	2014-11-04
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-15	2014-11-15
2014-11-20	2014-11-20
2014-11-28	2014-11-28
2014-11-30	2014-11-30
2014-12-15	2014-12-15
2014-12-16	2014-12-16
2014-12-17	2014-12-17
2014-12-30	2014-12-30
2015-01-18	2015-01-18
2015-02-10	2015-02-10

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2014-06-01	2014-06-01
2014-06-05	2014-06-05
2014-06-15	2014-06-15
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-04	2014-07-04
2014-07-10	2014-07-10
2014-07-20	2014-07-20
2014-07-25	2014-07-25
2014-07-26	2014-07-26
2014-07-28	2014-07-28

2014-07-31	2014-07-31
2014-08-01	2014-08-01
2014-08-05	2014-08-05
2014-08-10	2014-08-10
2014-09-10	2014-09-10
2014-10-01	2014-10-01
2014-10-07	2014-10-07
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-13	2014-10-13
2014-10-15	2014-10-15
2014-10-23	2014-10-23
2014-10-27	2014-10-27
2014-11-01	2014-11-01
2014-11-25	2014-11-25
2014-12-17	2014-12-17
2015-01-15	2015-01-15

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
2014-06-15	2014-06-15
2014-06-26	2014-06-26
2014-06-29	2014-06-29
2014-06-30	2014-06-30
2014-07-01	2014-07-01
2014-07-08	2014-07-08
2014-07-12	2014-07-12
2014-07-15	2014-07-15
2014-07-21	2014-07-21
2014-07-31	2014-07-31

2014-08-01	2014-08-01
2014-08-05	2014-08-05
2014-08-08	2014-08-08
2014-08-10	2014-08-10
2014-08-15	2014-08-15
2014-08-24	2014-08-24
2014-08-30	2014-08-30
2014-09-08	2014-09-08
2014-09-20	2014-09-20
2014-10-27	2014-10-27
2014-11-04	2014-11-04
2014-11-06	2014-11-06
2014-11-07	2014-11-07
2014-11-15	2014-11-15
2014-11-20	2014-11-20
2014-11-28	2014-11-28
2014-11-30	2014-11-30
2014-12-15	2014-12-15
2014-12-16	2014-12-16
2014-12-17	2014-12-17
2014-12-30	2014-12-30
2015-01-18	2015-01-18
2015-02-10	2015-02-10

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: 1600 - 8300000   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: 6000 - 300000   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: 1350 - 180000   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: 5 - 65   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: 3.8 - 44   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 - 30   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: 2.5 - 40   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 - 35   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 - 30   Format: Numeric

Q381_7: Q381. Percentage of FUEL costs out of the total input cost for ?

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0

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

Q381_8: Q381. Percentage of ELECTRICITY costs out of the total input cost for ?

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0

Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 30   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

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▍ 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 - 36.2   Format: Numeric

---

▍ Q388: Q388. How would you say the level of ranfall 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

▍ 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 - 3   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category

1	rain-fed (no equipment, only natural rainfall)
2	irrigated using irrigation equipment (e.g. rain,
3	other. specify 1:

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: 1 - 120   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: 2 - 24   Format: Numeric

Q392: Q392. What is the amount of liters that is discharged per hour of ?

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 60 - 120000   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 - 2   Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	rather satisfied
2	very satisfied

HARVESTYEAR: Data collection wave

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0
Type: Discrete   Decimal: 0   Width: 12   Range: 2014 - 2015   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
2004-01-02	2004-01-02
2013-10-10	2013-10-10
2013-10-15	2013-10-15
2013-11-15	2013-11-15
2013-11-28	2013-11-28
2013-12-01	2013-12-01
2013-12-05	2013-12-05
2014-01-01	2014-01-01
2014-01-02	2014-01-02
2014-01-03	2014-01-03
2014-01-05	2014-01-05
2014-01-06	2014-01-06
2014-01-07	2014-01-07
2014-01-10	2014-01-10
2014-01-15	2014-01-15
2014-02-01	2014-02-01
2014-02-15	2014-02-15
2014-02-16	2014-02-16
2014-03-05	2014-03-05
2014-03-12	2014-03-12
2014-03-31	2014-03-31
2014-04-05	2014-04-05
2014-04-07	2014-04-07

2014-06-16	2014-06-16

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
2014-01-02	2014-01-02
2014-01-07	2014-01-07
2014-01-09	2014-01-09
2014-01-10	2014-01-10
2014-01-15	2014-01-15
2014-01-18	2014-01-18
2014-01-19	2014-01-19
2014-01-20	2014-01-20
2014-01-21	2014-01-21
2014-01-25	2014-01-25
2014-01-28	2014-01-28
2014-01-30	2014-01-30
2014-01-31	2014-01-31
2014-02-03	2014-02-03
2014-02-06	2014-02-06
2014-02-15	2014-02-15
2014-02-20	2014-02-20
2014-03-15	2014-03-15
2014-03-16	2014-03-16
2014-03-17	2014-03-17
2014-04-01	2014-04-01
2014-04-10	2014-04-10
2014-04-13	2014-04-13
2014-04-15	2014-04-15
2014-04-16	2014-04-16
2014-04-18	2014-04-18

2014-04-27	2014-04-27
2014-05-01	2014-05-01
2014-05-15	2014-05-15
2014-06-22	2014-06-22
2014-07-15	2014-07-15
2014-07-16	2014-07-16

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
Beacause it is working. Put something with the program if something doesn't look rigth	Beacause it is working. Put something with the program if something doesn't look rigth
Beacuase of the high cost of poison	Beacuase of the high cost of poison
Because it is working and the price is good	Because it is working and the price is good
Because of the high price of poisen	Because of the high price of poisen
Because of their knowledge they are able to turn problems into achievement	Because of their knowledge they are able to turn problems into achievement
Best results for better growing	Best results for better growing
Better results when harvesting	Better results when harvesting
Better results when potatoes are growing	Better results when potatoes are growing
Better results with growing of plants	Better results with growing of plants
Better yield	Better yield
Check the condition	Check the condition
Depends on rain fall	Depends on rain fall
Depends on the weed pressure.	Depends on the weed pressure.
Didn't receive anything in this year going to follow it knowwhen we have planted	Didn't receive anything in this year going to follow it knowwhen we have planted
Doesn't spray if it is not necessary	Doesn't spray if it is not necessary
Don't know	Don't know
Follow the program and spray where necassary	Follow the program and spray where necassary
Gain more knowledge and get good resulta from planting	Gain more knowledge and get good resulta from planting
Good preventing program	Good preventing program

Good quality planting material	Good quality planting material
Good yield and quality of product	Good yield and quality of product
Great value to produce a good yield	Great value to produce a good yield
Helpful for a better quality of potato	Helpful for a better quality of potato
I am adjusting if I see it is necessary	I am adjusting if I see it is necessary
I am getting good results	I am getting good results
I am satisfied with the spray program	I am satisfied with the spray program
I am still learning about growing potatoes	I am still learning about growing potatoes
I am using my own knowledge, it is working for me	I am using my own knowledge, it is working for me
If you don't follow it you will have losses	If you don't follow it you will have losses
If you don't follow the program then you will have losses	If you don't follow the program then you will have losses
If you don't use the spray program what is the use for it then	If you don't use the spray program what is the use for it then
It depends on the results of the soil tests, and the rain fall	It depends on the results of the soil tests, and the rain fall
It depends on the results of the soil tests.	It depends on the results of the soil tests.
It helps to have a good quality of plant. You do things by order	It helps to have a good quality of plant. You do things by order
It is a very good program	It is a very good program
It is a winner	It is a winner
It is better to follow the protocol because it is giving me knowledge of planting step by step	It is better to follow the protocol because it is giving me knowledge of planting step by step
It is cheaper and working good	It is cheaper and working good
It is the program that I bought	It is the program that I bought
It is the program that I have bought	It is the program that I have bought
It is the right way to wet	It is the right way to wet
It is too expensive to do everything according to the program	It is too expensive to do everything according to the program
It is working 100%	It is working 100%
It is working good	It is working good
It is working very good	It is working very good
It is working veryu good	It is working veryu good
It's according to the book because it's too expensive to do on my own. I don't want to throw extra fertilizers so I do as they say	It's according to the book because it's too expensive to do on my own. I don't want to throw extra fertilizers so I do as they say
It's easy to follow protocol because of the irrigation	It's easy to follow protocol because of the irrigation
Most economic program it is also safe for following crops	Most economic program it is also safe for following crops
My program is working and is cheaper than the good growth plan	My program is working and is cheaper than the good growth plan
NA	NA
Otherwise it won't be effective	Otherwise it won't be effective
Pro active management	Pro active management
Proven Progam	Proven Progam

Quality declared planting material	Quality declared planting material
Quality. Good planting material. Equipment up to standard	Quality. Good planting material. Equipment up to standard
So I can get good and healthy maize	So I can get good and healthy maize
So I can get proper looking good plants	So I can get proper looking good plants
So can use the co-cultivation of healthy and transgenic maize plants for my crop	So can use the co-cultivation of healthy and transgenic maize plants for my crop
The area is dry, depends on rain and this might influence the application of chemicals on area	The area is dry, depends on rain and this might influence the application of chemicals on area
These people have the know how of crop development	These people have the know how of crop development
They advise me and I get a good quality crop	They advise me and I get a good quality crop
They are experts of crop growing and have lots of experience in crop development	They are experts of crop growing and have lots of experience in crop development
They are fruitful and build experience for farming	They are fruitful and build experience for farming
They have the knowledge to grow and develop crops	They have the knowledge to grow and develop crops
To avoid cross contamination through quality declared planting material	To avoid cross contamination through quality declared planting material
To extremely have general knowledge and skills	To extremely have general knowledge and skills
To gain the skills, knowledge on what to do when extremely hot or cold	To gain the skills, knowledge on what to do when extremely hot or cold
To get good results on my maize. How to assess soil structure and organic conditions. Protect soil from erosion	To get good results on my maize. How to assess soil structure and organic conditions. Protect soil from erosion
To get profit and quality plants	To get profit and quality plants
To have nice plants for harvesting	To have nice plants for harvesting
To prevent early rust	To prevent early rust
To protect the maize from different pests. Get the knowledge and gain skills that I need	To protect the maize from different pests. Get the knowledge and gain skills that I need
To receive good planting results	To receive good planting results
Very good program	Very good program
We follow the guideline manuals for better results	We follow the guideline manuals for better results
We have to be 100% on point all the time and many samples can be carried out within limited spce and time	We have to be 100% on point all the time and many samples can be carried out within limited spce and time
With maize we can carry 100 sample in 30 minutes consistency. Growing healthy plants and following the protocol precisely is key	With maize we can carry 100 sample in 30 minutes consistency. Growing healthy plants and following the protocol precisely is key
Working good	Working good
You must check what is going on on the fields and squarting accordingly to what you see	You must check what is going on on the fields and squarting accordingly to what you see
beacause it is working	beacause it is working
because it is worked out and tested by specialist	because it is worked out and tested by specialist
because it is worked out and tested by specialists	because it is worked out and tested by specialists
because it is working	because it is working
check the condition	check the condition
climate	climate
depends on rain fall	depends on rain fall

follow the program to get better quality	follow the program to get better quality
follow to my best for optimum	follow to my best for optimum
get control	get control
it deliver good results	it deliver good results
it is a very good program	it is a very good program
it is a winner	it is a winner
it is effective	it is effective
it is recommended like that	it is recommended like that
it is the right way to wet	it is the right way to wet
it is working good	it is working good
pro active management	pro active management
relies on the many years of experience I have	relies on the many years of experience I have
rely on the advisor's knowledge	rely on the advisor's knowledge
to act preventatively	to act preventatively
to get total crop protection	to get total crop protection
to manage disease pressure and keep it low for product use and crises control and better harvest	to manage disease pressure and keep it low for product use and crises control and better harvest
to manage disease pressure and keep it low to avoid product use for crises controls and better harvest	to manage disease pressure and keep it low to avoid product use for crises controls and better harvest
to prevent early rust	to prevent early rust
very good program	very good program
we are using our own program because it is more relevant	we are using our own program because it is more relevant
we are using our own program it is more relevant	we are using our own program it is more relevant
you must check what is going on on the fields and accordingly to that you must squart	you must check what is going on on the fields and accordingly to that you must squart

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q397C: Q397C. Did you receive a protocol/crop program from Syngenta?

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q397D_OTH: Q397.D. From which manufacturer have you received a protocol/crop program? OTHER

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q35A_1: Q35.A. What group/association/cooperative are a member of? 1ST

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
ASA	ASA

Afgri	Afgri
Agri SA	Agri SA
BKB	BKB
Boere vereeniging : waai kraal	Boere vereeniging : waai kraal
Central West	Central West
Cooperative	Cooperative
Farmers Union	Farmers Union
Farmers union	Farmers union
GSA (Grain SA)	GSA (Grain SA)
Georganiseerde Landbou	Georganiseerde Landbou
Graan SA	Graan SA
Grain SA	Grain SA
KZN Farmers union	KZN Farmers union
Landbou Unie	Landbou Unie
Mccain	Mccain
NTK	NTK
NTK (VBK)	NTK (VBK)
NWK	NWK
Nafcoc Sanafu	Nafcoc Sanafu
National African Farming	National African Farming
OVK	OVK
Obaro MGK	Obaro MGK
Operative	Operative
Potato SA	Potato SA
Potato South Africa	Potato South Africa
Rural Development	Rural Development
Senwes	Senwes
Senwes South West	Senwes South West
Senwes, Graan SA	Senwes, Graan SA
South West	South West
South west	South west
Suid Wes	Suid Wes
Suidwes Landbou Kooperasie	Suidwes Landbou Kooperasie
TBK	TBK
TLU	TLU
VKB	VKB
VKD	VKD

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
ASA	ASA
Afriforum	Afriforum
Agri - Noordwes	Agri - Noordwes
Agriforum	Agriforum
BKB	BKB
Bergville Boerevereniging	Bergville Boerevereniging
Cooperative	Cooperative
Famers union TLU	Famers union TLU
Farmer union	Farmer union
Farmers union	Farmers union
Free State Agriculture	Free State Agriculture
Frymax	Frymax
GWK	GWK
Graan SA	Graan SA
Grain SA	Grain SA
Losdoring studiegroep	Losdoring studiegroep
N.A.F.U chairperson Limpopo Province	N.A.F.U chairperson Limpopo Province
NTK	NTK
OVK	OVK
Potato SA	Potato SA
Senwes	Senwes
South West	South West
Suidwes Kooperasie	Suidwes Kooperasie
TLU	TLU
Unicrow/Afgri	Unicrow/Afgri
VKB	VKB
cooperative	cooperative

Q35A_3: Q35.A. What group/association/cooperative are a member of? 3RD

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
ASA	ASA
Afgri	Afgri
Afgri (Hinterland)	Afgri (Hinterland)
Agi SA; Kwanalu	Agi SA; Kwanalu
Agri SA	Agri SA
Agricultural Development	Agricultural Development
BKB	BKB
GWK	GWK
McCain	McCain
South West	South West
TLU	TLU
TWK	TWK
Westgrow	Westgrow
sand spruit studie groep	sand spruit studie groep

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	flat
2	gentle slope
3	steep slope
4	hilly

5	other. specify:
6	valley

Q58OTH: Q58. In general, what is the topography of your growing area? OTHER

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Flat, Gentle slope	Flat, Gentle slope
Flat, gentle slope, valley	Flat, gentle slope, valley

Q230_1: Bought seeds

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

Q230_2: Saved seeds

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

Q302: Q302. What is the percentage of decay for potato?

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 15   Format: Numeric

Q303: Q303. What is the percentage of shrink loss for potato?

Data file: Global_farm_data

Overview

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

Q4001: Q4001. % of crop lost in-between harvest and storage or selling ?

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 0 - 15   Format: Numeric

Q147: Q147. When have the young plants been planted ?

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2014-01-02	2014-01-02
2014-01-07	2014-01-07
2014-01-09	2014-01-09
2014-01-10	2014-01-10
2014-01-15	2014-01-15
2014-01-18	2014-01-18

2014-01-19	2014-01-19
2014-01-20	2014-01-20
2014-01-21	2014-01-21
2014-01-25	2014-01-25
2014-01-28	2014-01-28
2014-01-30	2014-01-30
2014-01-31	2014-01-31
2014-02-03	2014-02-03
2014-02-06	2014-02-06
2014-02-15	2014-02-15
2014-02-20	2014-02-20
2014-03-15	2014-03-15
2014-03-16	2014-03-16
2014-03-17	2014-03-17
2014-04-01	2014-04-01
2014-04-10	2014-04-10
2014-04-13	2014-04-13
2014-04-15	2014-04-15
2014-04-16	2014-04-16
2014-04-18	2014-04-18
2014-04-27	2014-04-27
2014-05-01	2014-05-01
2014-05-15	2014-05-15
2014-06-22	2014-06-22
2014-07-15	2014-07-15
2014-07-16	2014-07-16

Q301: Q301. What is the starch content per potato? (%)

Data file: Global_farm_data

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 6 - 53   Format: Numeric

HARVESTYEAR: Data collection wave

Data file: Crop_protection

Overview

Valid: 0   Invalid: 0
Type: Discrete   Decimal: 0   Width: 12   Range: 2014 - 2015   Format: Numeric

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

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

CLUSTERID: Unique cluster ID

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
SouthafricaMaize1	SouthafricaMaize1
SouthafricaMaize2	SouthafricaMaize2
SouthafricaMaize3	SouthafricaMaize3
SouthafricaPotato1	SouthafricaPotato1
SouthafricaPotato2	SouthafricaPotato2

COUNTRY: Country

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
South Africa	South Africa

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
36110200	36110200
36111100	36111100
36111300	36111300
36111400	36111400
36111600	36111600
36111700	36111700

36111800	36111800
36111900	36111900
36112000	36112000
36120100	36120100
36121200	36121200
36126300	36126300
36211200	36211200
36211300	36211300
36211400	36211400
36211500	36211500
36211600	36211600
36211700	36211700
36211800	36211800
36211900	36211900
36212000	36212000
36212100	36212100
36212200	36212200
36212300	36212300
36212400	36212400
36212500	36212500
36212600	36212600
36212700	36212700
36212800	36212800
36212900	36212900
36213000	36213000
36213100	36213100
36215200	36215200
36215300	36215300
36215400	36215400
36215500	36215500
36215600	36215600
36215700	36215700
36215800	36215800
36215900	36215900
36216000	36216000
36216100	36216100
36216200	36216200
36216300	36216300
36216400	36216400

36216500	36216500
36216600	36216600
36216700	36216700
36216800	36216800
36216900	36216900
36217000	36217000
36217100	36217100
36217200	36217200
36217500	36217500
36217600	36217600
36217800	36217800
36220300	36220300
36220400	36220400
36220600	36220600
36220700	36220700
36220800	36220800
36220900	36220900
36221000	36221000
36221100	36221100
36221200	36221200
36221300	36221300
36221400	36221400
36221500	36221500
36221600	36221600
36221700	36221700
36221800	36221800
36221900	36221900
36222000	36222000
36222100	36222100
36222200	36222200
36222300	36222300
36224300	36224300
36224400	36224400
36224500	36224500
36224600	36224600
36224700	36224700
36225200	36225200
36225300	36225300
36225600	36225600

36225700	36225700
36226000	36226000
36226100	36226100

█ PRODUCT: Unique code of a product within application

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	1
10	10
11	11
12	12
13	13
14	14
16	16
17	17
18	18
19	19
2	2
20	20
21	21
22	22
23	23
24	24
25	25
3	3
4	4
5	5
6	6
7	7
8	8
9	9

CROP: The crop of focus

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Corn	Corn
Potato	Potato

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
10	10
11	11
12	12
13	13
14	14
15	15
2	2
3	3
4	4
5	5
6	6
7	7
8	8

9	9

▌ Q241A: Q241 a. Timing of product application

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2014-01-02	2014-01-02
2014-01-03	2014-01-03
2014-01-04	2014-01-04
2014-01-07	2014-01-07
2014-01-09	2014-01-09
2014-01-10	2014-01-10
2014-01-13	2014-01-13
2014-01-15	2014-01-15
2014-01-20	2014-01-20
2014-01-25	2014-01-25
2014-01-27	2014-01-27
2014-01-28	2014-01-28
2014-01-30	2014-01-30
2014-01-31	2014-01-31
2014-02-01	2014-02-01
2014-02-02	2014-02-02
2014-02-05	2014-02-05
2014-02-07	2014-02-07
2014-02-11	2014-02-11
2014-02-12	2014-02-12
2014-02-15	2014-02-15
2014-02-18	2014-02-18
2014-02-20	2014-02-20
2014-02-21	2014-02-21
2014-02-25	2014-02-25
2014-02-27	2014-02-27

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

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

2014-10-18	2014-10-18
2014-10-20	2014-10-20
2014-10-25	2014-10-25
2014-10-27	2014-10-27
2014-10-28	2014-10-28
2014-10-30	2014-10-30
2014-10-31	2014-10-31
2014-11-01	2014-11-01
2014-11-02	2014-11-02
2014-11-03	2014-11-03
2014-11-07	2014-11-07
2014-11-09	2014-11-09
2014-11-10	2014-11-10
2014-11-15	2014-11-15
2014-11-17	2014-11-17
2014-11-18	2014-11-18
2014-11-19	2014-11-19
2014-11-20	2014-11-20
2014-11-22	2014-11-22
2014-11-23	2014-11-23
2014-11-24	2014-11-24
2014-11-29	2014-11-29
2014-11-30	2014-11-30
2014-12-01	2014-12-01
2014-12-02	2014-12-02
2014-12-03	2014-12-03
2014-12-04	2014-12-04
2014-12-05	2014-12-05
2014-12-06	2014-12-06
2014-12-08	2014-12-08
2014-12-11	2014-12-11
2014-12-12	2014-12-12
2014-12-15	2014-12-15
2014-12-17	2014-12-17
2014-12-18	2014-12-18
2014-12-19	2014-12-19
2014-12-26	2014-12-26
2014-12-27	2014-12-27
2015-01-05	2015-01-05

2015-01-12	2015-01-12
2015-01-15	2015-01-15
2015-01-19	2015-01-19
2015-01-29	2015-01-29
2015-02-01	2015-02-01
2015-02-06	2015-02-06
2015-02-08	2015-02-08
2015-02-09	2015-02-09
2015-02-13	2015-02-13
2015-03-08	2015-03-08
2015-03-23	2015-03-23
2015-04-01	2015-04-01
2015-04-06	2015-04-06
2015-04-24	2015-04-24
2015-04-27	2015-04-27
2015-04-28	2015-04-28
2015-04-29	2015-04-29
2015-05-01	2015-05-01
2015-05-02	2015-05-02
2015-05-04	2015-05-04
2015-05-08	2015-05-08
2015-05-11	2015-05-11
2015-05-12	2015-05-12
2015-05-18	2015-05-18
2015-05-23	2015-05-23
2015-05-26	2015-05-26
2015-06-01	2015-06-01
2015-06-08	2015-06-08
2015-06-09	2015-06-09
2015-06-13	2015-06-13
2015-06-15	2015-06-15
2015-06-16	2015-06-16
2015-06-17	2015-06-17
2015-06-22	2015-06-22
2015-06-23	2015-06-23
2015-06-25	2015-06-25
2015-06-30	2015-06-30
2015-07-10	2015-07-10
2015-07-13	2015-07-13

2015-07-14	2015-07-14
2015-07-27	2015-07-27
2015-07-28	2015-07-28
2015-08-03	2015-08-03
2015-08-06	2015-08-06
2015-08-11	2015-08-11
2015-08-13	2015-08-13
2015-08-17	2015-08-17
2015-08-19	2015-08-19
2015-08-24	2015-08-24
2015-08-26	2015-08-26
2015-08-27	2015-08-27
2015-08-31	2015-08-31
2015-09-03	2015-09-03
2015-09-09	2015-09-09
2015-09-10	2015-09-10
2015-09-12	2015-09-12
2015-09-16	2015-09-16
2015-09-18	2015-09-18
2015-09-21	2015-09-21
2015-09-24	2015-09-24
2015-09-29	2015-09-29
2015-10-05	2015-10-05
2015-10-14	2015-10-14
2015-10-15	2015-10-15
2015-10-21	2015-10-21
2015-10-23	2015-10-23
2015-10-28	2015-10-28
2015-10-30	2015-10-30
2015-11-04	2015-11-04
2015-11-06	2015-11-06
2015-11-19	2015-11-19
2016-03-07	2016-03-07
2016-06-04	2016-06-04

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	Miticides, acaricides

Q241C: Q241 c . Brand product name

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q241C1: Q241 c1. Brand product formulation

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C241C: CODED VARIABLE - stringcode

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C241CA1: CODED VARIABLE - active ingredient1

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1.3-DICHLOROPROPENE/DCPE-95	1.3-DICHLOROPROPENE/DCPE-95
2,4 D	2,4 D
ABAMECTIN (AVERMECTIN B)	ABAMECTIN (AVERMECTIN B)
ACEPHATE	ACEPHATE
ACETOCHLORE	ACETOCHLORE
ALPHA-CYPERMETHRIN	ALPHA-CYPERMETHRIN
AMETRYN	AMETRYN
AMINOCYCLOPYRACHLOR	AMINOCYCLOPYRACHLOR
AMITRAZ	AMITRAZ
AMMONIUM-COMPOUNDS	AMMONIUM-COMPOUNDS
ATRAZINE	ATRAZINE
AZOXYSTROBIN	AZOXYSTROBIN
BIFENTRIN	BIFENTRIN
BROMOXYNIL	BROMOXYNIL
CARTAP-HCL	CARTAP-HCL

CHLORANTRANILIPROLE	CHLORANTRANILIPROLE
CHLOREPYROPHOS	CHLOREPYROPHOS
CHLOROTHALONIL	CHLOROTHALONIL
CHLORPYRIFOS ETHYL	CHLORPYRIFOS ETHYL
COPPER DIAMMONIA DIACETATE	COPPER DIAMMONIA DIACETATE
CYFLUTHRIN	CYFLUTHRIN
CYMOXANYLE	CYMOXANYLE
CYROMAZINE	CYROMAZINE
DELTAMETHRIN	DELTAMETHRIN
DIFENOCONAZOLE	DIFENOCONAZOLE
DIFLUFENIKAN	DIFLUFENIKAN
DIMETENAMID-P	DIMETENAMID-P
DIMETHOATE	DIMETHOATE
Do not know	Do not know
ESFENVALERATE	ESFENVALERATE
ETHIOTHOATE	ETHIOTHOATE
FLUBENDIAMIDE	FLUBENDIAMIDE
FLUDIOXONIL	FLUDIOXONIL
FLUOPYRAM	FLUOPYRAM
FORMETANATE	FORMETANATE
FOSETYL-AL	FOSETYL-AL
GLYPHOSATE	GLYPHOSATE
GLYPHOSATE-ISOPROPYL-AMM	GLYPHOSATE-ISOPROPYL-AMM
GLYPHOSATE-POTASSIUM-SALT	GLYPHOSATE-POTASSIUM-SALT
IMIDACLOPRID	IMIDACLOPRID
IPRODIONE	IPRODIONE
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
LUFENURON	LUFENURON
MANCOZEB (VONDOZEB)	MANCOZEB (VONDOZEB)
MANDIPROPAMID	MANDIPROPAMID
MANEB	MANEB
MESOTRIONE	MESOTRIONE
METAZACHLOR	METAZACHLOR
METHAMIDOPHOS	METHAMIDOPHOS
METHOLACHLORE	METHOLACHLORE
METHOMYL	METHOMYL
METRIBUZIN	METRIBUZIN
MYCLOBUTANIL	MYCLOBUTANIL
NIKOSULPHURON	NIKOSULPHURON

NOVALURON	NOVALURON
OXAMYL	OXAMYL
PICOXYSTROBINE	PICOXYSTROBINE
PIRIMICARB	PIRIMICARB
PYMETROZINE	PYMETROZINE
QUARTZ	QUARTZ
S-METOLACHLOR	S-METOLACHLOR
SPINETORAM	SPINETORAM
TEBUCONAZOLE	TEBUCONAZOLE
TERBUTYLAZINE	TERBUTYLAZINE
THIOCARB	THIOCARB
THIRAM	THIRAM
TOLCLOFOS M	TOLCLOFOS M
TRIFLOXYSTROBINE	TRIFLOXYSTROBINE

C241CP1: CODED VARIABLE - amount of ai1

Data file: Crop_protection

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 2 - 1110   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
CHLORANTRANILIPROLE	CHLORANTRANILIPROLE
CHLOROTHALONIL	CHLOROTHALONIL
CHLORSULPHURON	CHLORSULPHURON
DICHLORMID	DICHLORMID
Do not know	Do not know
FAMOXADONE	FAMOXADONE
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
MEFENOXAM	MEFENOXAM
MESOTRIONE	MESOTRIONE
PROPICONAZOLE	PROPICONAZOLE
PYRIMETHANIL	PYRIMETHANIL
S-METOLACHLOR	S-METOLACHLOR
TERBUTYLAZINE	TERBUTYLAZINE
THIPHENSULPHURONE-METHYL	THIPHENSULPHURONE-METHYL
TRIFLOXYSTROBINE	TRIFLOXYSTROBINE

C241CP2: CODED VARIABLE - amount of ai2

Data file: Crop_protection

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 14.5 - 600   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
ATRAZINE	ATRAZINE
Do not know	Do not know
FOLPET	FOLPET
TERBUTYLAZINE	TERBUTYLAZINE

C241CP3: CODED VARIABLE - amount of ai3

Data file: Crop_protection

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 33.3 - 250   Format: Numeric

Q241D: CODED VARIABLE Q241 d. Dosage ?

Data file: Crop_protection

Overview

Valid: 0   Invalid: 0
Type: Continuous   Decimal: 0   Width: 10   Range: 22 - 35000   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 - 4000   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
aalwurm insects	aalwurm insects
abakemtien	abakemtien
adhesive	adhesive
all insects	all insects
all major nematods	all major nematods
all weeds	all weeds
annual grass: blue grass; volunteer corn;wild oat	annual grass: blue grass; volunteer corn;wild oat
annual grasses	annual grasses
annual grasses: blue ; crab grasses	annual grasses: blue ; crab grasses
antracnose	antracnose
aphids	aphids
are trees	are trees
ascomycetes	ascomycetes
bacteria	bacteria
ball worm	ball worm
beetle	beetle
beetles	beetles
big weed	big weed
black dot	black dot
black maize beetle	black maize beetle
black spot	black spot
black spots	black spots
boadleaf ; grass types	boadleaf ; grass types
bollworm	bollworm
bolworm	bolworm
braod leaf	braod leaf
broad leaf	broad leaf
broad leaf grass	broad leaf grass

broad leaf grass; everything	broad leaf grass; everything
broad leaf types	broad leaf types
broad leaf ypes	broad leaf ypes
broad leaf; gras	broad leaf; gras
broad leaf; grass	broad leaf; grass
broad spectrum insects	broad spectrum insects
broadleaf	broadleaf
broadleaf & grass	broadleaf & grass
broadleaf ; grass types	broadleaf ; grass types
broadleaf before arrival	broadleaf before arrival
broadleaf grass	broadleaf grass
broadleaf types	broadleaf types
broadleaf weed	broadleaf weed
brown rust	brown rust
brown rust gray leaf	brown rust gray leaf
brown spot	brown spot
bugs	bugs
bulb worm & louse	bulb worm & louse
chick weed	chick weed
chick weed ; cleavers	chick weed ; cleavers
cleavers	cleavers
common rag weed	common rag weed
corticium	corticium
crab grass	crab grass
crab grass ; blue grass	crab grass ; blue grass
crab grasses	crab grasses
cut worm	cut worm
cut worms	cut worms
cut worms ; insects	cut worms ; insects
cut worms black maize beetle	cut worms black maize beetle
cut worms; black maize beetle	cut worms; black maize beetle
cutworm	cutworm
cutworms	cutworms
don't know	don't know
downy mildew	downy mildew
early blight	early blight
early rus	early rus
early rust	early rust
everthing	everthing

everything	everything
everything broad leaf grass	everything broad leaf grass
everything insecticides	everything insecticides
feeding	feeding
flea	flea
flying insects	flying insects
for big weed	for big weed
foxtails	foxtails
fungal disease	fungal disease
fungi;millipedes	fungi;millipedes
fungus	fungus
fungus killer	fungus killer
furasium	furasium
fusarium	fusarium
gass & broadleaf	gass & broadleaf
gras ; broad leaf	gras ; broad leaf
grass	grass
grass & broad leaf	grass & broad leaf
grass ; boadleaf	grass ; boadleaf
grass ; broad leaf	grass ; broad leaf
grass ; broadleaf	grass ; broadleaf
grass ; weed	grass ; weed
grass broad leaf	grass broad leaf
grass hoppers	grass hoppers
grass killer	grass killer
grass manure	grass manure
grass types	grass types
grass3	grass3
grass; broad leaf	grass; broad leaf
grass; broadleaf	grass; broadleaf
grass; smelly oil ; instantly myths	grass; smelly oil ; instantly myths
grasshopper	grasshopper
grasshoppers	grasshoppers
grow stimilation	grow stimilation
growing stimilation	growing stimilation
growth	growth
growth stimulant	growth stimulant
insects	insects
insects & tap ruspers	insects & tap ruspers

insects ; cut worms	insects ; cut worms
insects ; tapruspers	insects ; tapruspers
insects broad leaf grass	insects broad leaf grass
insects killer booster	insects killer booster
insects potato moth	insects potato moth
kochia	kochia
late blight	late blight
late germinating grass	late germinating grass
late rust	late rust
late rust; fungus	late rust; fungus
late weed	late weed
leaf disease	leaf disease
leaf feeder	leaf feeder
leaf feeding	leaf feeding
leaf feeding ; stimulant	leaf feeding ; stimulant
leaf hoppers	leaf hoppers
leaf mijner	leaf mijner
leaf miner	leaf miner
leaf miner ; potato moth	leaf miner ; potato moth
leaf miner; potato moth	leaf miner; potato moth
leaf miners	leaf miners
leaf spot	leaf spot
leaf spots	leaf spots
leafhopper	leafhopper
leafhoppers	leafhoppers
leafminer	leafminer
looperworm	looperworm
louse	louse
maize storage	maize storage
mal rust	mal rust
millepedes	millepedes
millipedes	millipedes
mot ; bolwurm	mot ; bolwurm
mot; bolwurm	mot; bolwurm
mot;bolwurm	mot;bolwurm
moth	moth
moth ; fleas	moth ; fleas
moth ; flies	moth ; flies
moths	moths

nematode	nematode
nutsedges	nutsedges
oomycetes	oomycetes
pest	pest
pests are targeted	pests are targeted
phytophtora	phytophtora
pigweed	pigweed
plant growth	plant growth
plant luis	plant luis
plant luise	plant luise
potato	potato
potato moth	potato moth
potato moth ; leaf miner	potato moth ; leaf miner
potato moth leaf miner	potato moth leaf miner
potato moth; leaf miner	potato moth; leaf miner
potato tuber moth	potato tuber moth
powdery mildew	powdery mildew
prevent broad leaf	prevent broad leaf
prevent grass killer	prevent grass killer
red spider mite	red spider mite
rust	rust
rust early ; late	rust early ; late
sedges	sedges
septoria;rust	septoria;rust
slankboorder	slankboorder
small weed	small weed
snywurm	snywurm
snywurms	snywurms
soil insects; s; rats	soil insects; s; rats
spider mite	spider mite
stem ; broad leaf	stem ; broad leaf
stem ; leaf disease	stem ; leaf disease
stem canker	stem canker
storag fungi	storag fungi
storage fungi	storage fungi
stronkboarder	stronkboarder
stronkboorder	stronkboorder
sucking insects	sucking insects
thrips	thrips

thrips ; flea	thrips ; flea
top ruspers	top ruspers
top ruspers insect	top ruspers insect
top ruspers insects	top ruspers insects
volunteer corn	volunteer corn
volunter corn	volunter corn
weed	weed
weed killer	weed killer
weeds ; worms	weeds ; worms
white flea leafminer	white flea leafminer
wild mustard ; common rag weed	wild mustard ; common rag weed
wild oats	wild oats
wild sorhums; broad leaf	wild sorhums; broad leaf
winter weed	winter weed
worm killer	worm killer
worm killers	worm killers
worms	worms

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: 5 - 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: 10 - 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 - 2015   Format: Numeric

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COUNTRY: Country

Data file: Location

Overview

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

Questions and instructions

CATEGORIES

Value	Category
South Africa	South Africa

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
SouthafricaMaize1	SouthafricaMaize1
SouthafricaMaize2	SouthafricaMaize2
SouthafricaMaize3	SouthafricaMaize3
SouthafricaMaize4	SouthafricaMaize4
SouthafricaPotato1	SouthafricaPotato1
SouthafricaPotato2	SouthafricaPotato2

GROWERID: Unique identifier per grower

Data file: Location

Overview

Valid: 0   Invalid: 0
Type: Discrete   Decimal: 0   Width: 12   Range: 36110200 - 36226200   Format: Numeric

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GROWINGAREA: Field code (A or B)

Data file: Location

Overview

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

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
-	-
1020	1020
1095	1095
2210	2210
2350	2350
2380	2380
2430	2430
2490	2490
2680	2680
2740	2740
3180	3180
3350	3350
470	470
619	619
621	621
700	700
715	715
790	790
826	826
924	924
9300	9300
9301	9301
9323	9323
9338	9338
9445	9445
9479	9479
9482	9482
9520	9520
9610	9610
9640	9640
9650	9650
9660	9660
9670	9670
9680	9680
9700	9700

9780	9780
9810	9810
9830	9830
9880	9880
9932	9932

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
FS	FS
GP	GP
KZN	KZN
LP	LP
MP	MP
NW	NW

▎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 - 2015   Format: Numeric

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▎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
South Africa	South Africa

▎CROP: Crop

Data file: Activities and Machinery (Q382)

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Corn	Corn
Potato	Potato

▎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
SouthafricaMaize1	SouthafricaMaize1
SouthafricaMaize2	SouthafricaMaize2
SouthafricaMaize3	SouthafricaMaize3
SouthafricaMaize4	SouthafricaMaize4
SouthafricaPotato1	SouthafricaPotato1
SouthafricaPotato2	SouthafricaPotato2

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
36110200	36110200
36111100	36111100
36111300	36111300
36111400	36111400

36111600	36111600
36111700	36111700
36111800	36111800
36111900	36111900
36112000	36112000
36117700	36117700
36120100	36120100
36121200	36121200
36126300	36126300
36211200	36211200
36211300	36211300
36211400	36211400
36211500	36211500
36211600	36211600
36211700	36211700
36211800	36211800
36211900	36211900
36212000	36212000
36212100	36212100
36212200	36212200
36212300	36212300
36212400	36212400
36212500	36212500
36212600	36212600
36212700	36212700
36212800	36212800
36212900	36212900
36213000	36213000
36213100	36213100
36215100	36215100
36215200	36215200
36215300	36215300
36215400	36215400
36215500	36215500
36215600	36215600
36215700	36215700
36215800	36215800
36215900	36215900
36216000	36216000

36216100	36216100
36216200	36216200
36216300	36216300
36216400	36216400
36216500	36216500
36216600	36216600
36216700	36216700
36216800	36216800
36216900	36216900
36217000	36217000
36217100	36217100
36217200	36217200
36217300	36217300
36217500	36217500
36217600	36217600
36217800	36217800
36220300	36220300
36220400	36220400
36220600	36220600
36220700	36220700
36220800	36220800
36220900	36220900
36221000	36221000
36221100	36221100
36221200	36221200
36221300	36221300
36221400	36221400
36221500	36221500
36221600	36221600
36221700	36221700
36221800	36221800
36221900	36221900
36222000	36222000
36222100	36222100
36222200	36222200
36222300	36222300
36224300	36224300
36224400	36224400
36224500	36224500

36224600	36224600
36224700	36224700
36224800	36224800
36224900	36224900
36225000	36225000
36225100	36225100
36225200	36225200
36225300	36225300
36225400	36225400
36225500	36225500
36225600	36225600
36225700	36225700
36226000	36226000
36226100	36226100
36226200	36226200

GROWINGAREA: Field code (A or B)

Data file: Activities and Machinery (Q382)

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	A
2	B

ACTIVITY: Which activities did the grower do on his field?

Data file: Activities and Machinery (Q382)

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	Clearing
2	Ploughing
3	Digging
4	Ridging
5	Ripping
6	Land levelling
7	Greenhouse management operations
8	Applying fertilizers
9	Mulching
10	Sowing or planting
11	Scouting for pests and diseases
12	Applying pesticides
13	Irrigating
14	Pruning
15	Weeding
16	Harvesting
17	Post handling
18	Processing
19	Transport
20	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 Questionaire Master

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

2015 GGP Questionaire Master

title	2015 GGP Questionaire Master
language	English
filename	2015 GGP Questionaire 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