

Good Growth Plan 2015-2019

Syngenta

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Identification

SURVEY ID NUMBER

TZA_2015-2019_GGP-P_v01_M_v01_A_OCS

TITLE

Good Growth Plan 2015-2019

COUNTRY/ECONOMY

Name	Country code
Tanzania	TZA

STUDY TYPE

Agricultural Survey [ag/oth]

ABSTRACT

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

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

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

TOPICS

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

KEYWORDS

Keyword
Input efficiency
Crop productivity
Agriculture
The Good Growth Plan

Coverage

GEOGRAPHIC COVERAGE

National coverage

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Syngenta

PRODUCERS

Name	Role
Kynetec	Technical assistance

Sampling

SAMPLING PROCEDURE

A. Sample design

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

B. Sample size

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

C. Selection procedure

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

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

(a) smallholder tomato growers

Location: Maji Ya Chai, Ngarenanyuki, Arumeru, Sanya Juu, Arusha and Moshi

BACKGROUND: Open field tomatoes

Flood or no irrigation (e.g. rain fed instead)

Ploughing with a tractor or with cattle

Usage of chemical and/or organic fertilizers

Selling the harvest is the main after harvest activity

(b) smallholder maize growers

Location: Kilolo and Iringa Rural

BACKGROUND: White maize

No irrigation (e.g. rain fed instead)

Ploughing with a tractor

Usage of chemical fertilizers only

Selling and drying the harvest are the main after harvest activity

data_collection

DATES OF DATA COLLECTION

Start	End
2015	2019

DATA COLLECTION MODE

Face-to-face [f2f]

questionnaires

QUESTIONNAIRES

Data collection tool for 2019 covered the following information:

(A) PRE- HARVEST INFORMATION

PART I: Screening

PART II: Contact Information

PART III: Farm Characteristics

a. Biodiversity conservation

b. Soil conservation

c. Soil erosion

d. Description of growing area

e. Training on crop cultivation and safety measures

PART IV: Farming Practices - Before Harvest

a. Planting and fruit development - Field crops

b. Planting and fruit development - Tree crops

c. Planting and fruit development - Sugarcane

d. Planting and fruit development - Cauliflower

e. Seed treatment

(B) HARVEST INFORMATION

PART V: Farming Practices - After Harvest

a. Fertilizer usage

b. Crop protection products

c. Harvest timing & quality per crop - Field crops

d. Harvest timing & quality per crop - Tree crops

e. Harvest timing & quality per crop - Sugarcane

f. Harvest timing & quality per crop - Banana

g. After harvest

PART VI - Other inputs - After Harvest

a. Input costs

b. Abiotic stress

c. Irrigation

See all questionnaires in external materials tab.

data_processing

DATA EDITING

Data processing:

Kynetec uses SPSS (Statistical Package for the Social Sciences) for data entry, cleaning, analysis, and reporting. After collection, the farm data is entered into a local database, reviewed, and quality-checked by the local Kynetec agency. In the case of missing values or inconsistencies, farmers are re-contacted. In some cases, grower data is verified with local experts

(e.g. retailers) to ensure data accuracy and validity. After country-level cleaning, the farm-level data is submitted to the global Kynetec headquarters for processing. In the case of missing values or inconsistencies, the local Kynetec office was re-contacted to clarify and solve issues.

Quality assurance

Various consistency checks and internal controls are implemented throughout the entire data collection and reporting process in order to ensure unbiased, high quality data.

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

data_appraisal

DATA APPRAISAL

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

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

Access policy

CONTACTS

Name	Affiliation	Email	URL
The Good Growth Plan team	Syngenta	goodgrowthplan.data@syngenta.com	Link

CONFIDENTIALITY

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

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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_TZA_2015-2019_GGP-P_v01_M_v01_A_OCS

PRODUCERS

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

DATE OF METADATA PRODUCTION

2022-11-18

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 (TZA_2015-2019_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	17
seed_treatment	0	22
Farm_level_data	0	32
Global_farm_data	0	214
Crop_protection	0	32
Location	0	19
Activities and Machinery (Q382)	0	9

Data file: fertilizers

Cases: 0

variables: 17

variables

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

total: 17

Data file: seed_treatment

Cases:	0
variables:	22

variables

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

total: 22

Data file: Farm_level_data

Cases: 0

variables: 32

variables

ID	Name	Label	Question
V40	HarvestYear	Data collection wave	
V41	Region	Syngenta's definition of Region	
V42	Territory	Syngenta's definition of Territory	
V43	GrowingArea	To which field/plot does the information relate to?	
V44	ClusterID	Unique cluster ID	
V45	country	Country	
V46	Farmtype	Farm type	
V47	GrowerID	Unique respondent ID	
V48	Crop	The crop of focus	
V49	AreaSize	Q57. Size of growing area A for <TARG1> in <HECT>	
V50	CropSize	Q5.Total cultivated area of <TARG1> in this season in <HECT>	
V51	FarmSize	Q6. Total size of your farm/cultivated area for all crops in <HECT>	
V52	Landproductivity	Land efficiency in ton/ha	
V53	PesticideApplicationEfficiency	Number of field applications used per ton produced	
V54	NutrientEfficiency	Kgs of nitrogen used per ton produced	
V55	PhosphorusEfficiency	Kgs of phosphorus used per ton produced	
V56	PotassiumEfficiency	Kgs of potassium used per ton produced	
V57	SeedEfficiency	Kgs of seeds used per ton produced	
V58	PesticideEfficiency	Kgs of active ingredients from pesticides used in kilogram per ton produced	
V59	HerbicideEfficiency	Kgs of active ingredients from herbicides used per ton produced	
V60	FungicideEfficiency	Kgs of active ingredients from fungicides used per ton produced	
V61	InsecticideEfficiency	Kgs of active ingredients from insecticides used per ton produced	
V62	IrrigationWaterEfficiency	Litres of irrigation water used per ton produced	
V63	LaborEfficiency	Amount of labor hours per unit of crop output produced	
V64	MachineryEfficiency	Amount of machinery used in hours per unit of crop output produced	
V65	SyngentaShare	Percentage of syngenta products used compared to total number of products used	
V66	User_vs_non_user	Does the grower use Syngenta products?	
V67	protocol	have received a crop program and/or any recommendations this season?	
V68	field_preparation	Date of first field preparation	
V69	planting_date	Date of sowing or planting	
V70	harvest_begin	Date when harvest started	
V71	harvest_end	Date when harvest ended	

total: 32

Data file: Global_farm_data

Cases:	0
variables:	214

variables

ID	Name	Label	Question
V72	Territory	Syngenta definition of territory (sub-region)	
V73	country	Country	
V74	ClusterID	Unique cluster ID	
V75	GrowerID	Unique respondent ID	
V76	GrowingArea	To which field/plot does the information relate to?	
V77	Farmtype	Farmtype	
V78	q1c3	Q1.C3. Since you have participated before, we'd like to share with you your individual performance report	
V79	q1f	Q1. F. Would it be okay for you for Syngenta to contact you with follow-up information on The Good Growth Plan?	
V80	crop	Crop of focus	
V81	q57a	Q57A. How certain you are of the size indication for growing area A?	
V82	q4055	Q4055. TON/HEC Yield objective for area A for <CROP> at beginning of this season?	
V83	q19	Q19. Surname	
V84	q20	Q20. First name	
V85	q21	Q21. Phone number	
V86	q22	Q22. E-mail address	
V87	q27	Q27. Year of birth	
V88	q28	Q28. Gender	
V89	q31	Q31. Until what age did you go to school?	
V90	q30	Q30. Are you a full-time or part-time farmer?	
V91	q30b	Q30. B. How long have you been engaged in farming activities?	
V92	q33	Q33. Did you receive an agronomical/agricultural education?	
V93	q34	Q34. Are you a member of a producer group, association or cooperative for <CROP>?	
V94	q35c	Q35. C. Overall, how satisfied would you say you are with your life these days?	
V95	q37a	Q37.A. Do you have signs of soil erosion by water on	
V96	q37b	Q37.B. Do you have signs of soil erosion by wind on your farm?	
V97	q7001	Q7001. Have you changed your tillage practices for <TARGET CROP> in the past 20 years?	
V98	q7002	Q7002. How did you change your tillage practices for <TARGET CROP>?	
V99	q7003	Q7003. How many years ago did you change your tillage practices for <TARGET CROP>?	
V100	q7004	Q7004. Have you grown cover crop to manage soil health in the past 20 years for <CROP>?	
V101	q7005	Q7005. How many years ago did you start growing a cover crop for <TARGET CROP> ?	
V102	q7006	Q7006 Have you stopped growing a cover crop in the past 20 years for <TARGET CROP>?	
V103	q7007	Q7007. How many years ago did you stop growing a cover crop for <TARGET CROP>?	
V104	q7008	Q7008. For <Crop> was any land converted from arable land/grassland/forest in the past 20 years?	
V105	q7009	Q7009. How did the use of your land change for <TARGET CROP>?	
V106	q7010	Q7010. How many years ago did the function of your land change for <TARGET CROP>?	
V107	q65	Q65. Do you practice intercropping for <TARGET CROP> ?	

ID	Name	Label	Question
V108	q66_1	Q66. Which crops do you intercrop? Apples	
V109	q66_3	Q66. Which crops do you intercrop? Barley	
V110	q66_7	Q66. Which crops do you intercrop? Corn	
V111	q66_13	Q66. Which crops do you intercrop? Potato	
V112	q66_18	Q66. Which crops do you intercrop? Sunflower	
V113	q66_32	Q66. Which crops do you intercrop? Cassava	
V114	q66_64	Q66. Which crops do you intercrop? Nuts	
V115	q66_80	Q66. Which crops do you intercrop? Pulses (lentils, beans, peas)	
V116	q60	Q60. Do you rotate crops on growing area A for <TARGET CROP>?	
V117	q61_7	Q61. What crops are you cultivating in rotation? Corn	
V118	q61_8	Q61. What crops are you cultivating in rotation? Cotton	
V119	q61_12	Q61. What crops are you cultivating in rotation? Pepper	
V120	q61_13	Q61. What crops are you cultivating in rotation? Potato	
V121	q61_18	Q61. What crops are you cultivating in rotation? Sunflower	
V122	q61_19	Q61. What crops are you cultivating in rotation? Tomato	
V123	q61_20	Q61. What crops are you cultivating in rotation? Watermelon	
V124	q61_30	Q61. What crops are you cultivating in rotation? Cabbage	
V125	q61_32	Q61. What crops are you cultivating in rotation? Cassava	
V126	q61_43	Q61. What crops are you cultivating in rotation? Eggplant	
V127	q61_53	Q61. What crops are you cultivating in rotation? Herbs	
V128	q61_56	Q61. What crops are you cultivating in rotation? Lady finger (Okra)	
V129	q61_62	Q61. What crops are you cultivating in rotation? Millet	
V130	q61_67	Q61. What crops are you cultivating in rotation? Onion	
V131	q61_69	Q61. What crops are you cultivating in rotation? Other peppers	
V132	q61_80	Q61. What crops are you cultivating in rotation? Pulses (lentils, beans, peas)	
V133	q61_87	Q61. What crops are you cultivating in rotation? Spinach	
V134	q61_96	Q61. What crops are you cultivating in rotation? Other. Specify 1	
V135	q67	Q67. What is the soil type of growing area A for <TARGET CROP>?	
V136	q67b	Q67B. Texture is your soil on growing area A for <TARGET CROP> this season?	
V137	q7011	Q7011. How moist would rate your soil on growing area A for <TARGET CROP> this season?	
V138	q7012	Q7012 Rate the drainage of water through the soil on area A for <TARGET CROP> this season?	
V139	q55e1	Q55E1.Partook in training/meeting on crop/agricultural practices in the past 2 years?	
V140	q5500	Q5500. During the training/meeting, at least 15 minutes talking about safe-use practices	
V141	q55E2_1	Q55E2. Who organized this training? Syngenta representative	
V142	q55E2_3	Q55E2. Who organized this training? Extension officer	
V143	q55E2_4	Q55E2. Who organized this training? Cooperative	
V144	q55E2_5	Q55E2. Who organized this training? Agronomist/advisor	
V145	q55E2_6	Q55E2. Who organized this training? Supplier	
V146	q55E2_7	Q55E2. Who organized this training? Governmental organization (e.g. Ministry)	
V147	q5501	Q5501. Have you been contacted by a Syngenta representative during the past season?	
V148	q5502_1	Q5502. Can you describe how the Syngenta representative contacted you? Demonstration day	
V149	q5502_2	Q5502. Can you describe how the Syngenta representative contacted you? They visited my farm	
V150	q5502_3	Q5502. Can you describe how the Syngenta representative contacted you? Received a brochure	

ID	Name	Label	Question
V151	q5502_4	Q5502. Can you describe how the Syngenta representative contacted you? Phone call	
V152	q5503	Q5503. How useful was contact with the Syngenta Representative	
V153	q4041a	Q4041.A. Do you feel the need to follow training on crop cultivation in the near future?	
V154	q72	Q72. When did the first field preparation start for growing area A for <TARGET CROP> ?	
V155	q73	Q73. KGs/HECT of seeds sown for growing area A for <TARGET CROP>	
V156	q73a1	Q73A1. What is the amount of seeds that has been sown for growing area A?	
V157	q151	Q151. Are <TARGET CROP> grown on open field or in a greenhouse for growing area A?	
V158	q154a	Q154. A. # of plants transplanted per <MC2> for growing area A for <TARGET CROP>?	
V159	q74	Q74. When was the crop sown / planted for growing area A for <TARGET CROP>?	
V160	q7400	Q7400. Have you sown/planted <TARGET CROP> in the same period as last year?	
V161	q231b	Q231B. Are your seeds coated with crop protection products?	
V162	q233	Q233. Do you use on-farm or pre-treated seed treatment to treat the seeds for growing area A for <TARGET CROP>?	
V163	q397new	Q397_NEW. If you have received a crop program and/or any recommendations for growing to implement this season.	
V164	q224a	Q224 A. Did you perform a soil test for <TARGET CROP>?	
V165	q224	Q224. Do you apply organic fertilizers for <TARGET CROP>?	
V166	q226	Q226. Do you apply chemical fertilizers for <TARGET CROP>?	
V167	q229b1	Q229B1.Total number of applications you perform with chemical fertilizers on growing area for <TARGET CROP>?	
V168	q229b2	Q229B2.Total number of applications you perform with organic fertilizers on growing area for <TARGET CROP>?	
V169	q240e_1	Q240E. We would like to better understand the pest pressure on the selected growing areas. INSECT PRESSURE	
V170	q240e_2	Q240E. We would like to better understand the pest pressure on the selected growing areas. DISEASE PRESSURE	
V171	q240e_3	Q240E. We would like to better understand the pest pressure on the selected growing areas. WEED PRESSURE	
V172	q240en	Q240.E1. Do you generally use drift-reducing nozzles on your sprayer?	
V173	q240d	Q240D. Note down the total number of treatments you perform with crop protection products	
V174	q75	Q75. What is the final stand i.e. the number of plants - per <SQUARE METER>/<TARGET CROP>?	
V175	q76	Q76. Prior to harvest, indicate the percentage of the plot area that is lodged for <TARGET CROP>?	
V176	q243a	Q243. When was the harvest period for <TARGET CROP>?	
V177	q243b	Q243. When was the harvest period for <TARGET CROP>?	
V178	q243bb	Q243b. Have you harvested <TARGET CROP> in the same period as last year?	
V179	q244	Q244. Marketable yield that has been achieved for growing area A for <TARGET CROP> in <TON> per <HECTARES>?	
V180	q274a	Q274. Yield that has been achieved for growing area A for corn in <TON> per <HECTARES>? Grain yield	
V181	q274c	Q274. Yield that has been achieved for growing area A for corn in <TON> per <HECTARES>? Cobs yield	
V182	q4094_1	Q4094. Who measured the yield on each of the growing areas? Myself	
V183	q4094_2	Q4094. Who measured the yield on each of the growing areas? Dealer/store	
V184	q4094_3	Q4094. Who measured the yield on each of the growing areas? Manufacturer/representative	
V185	q4094_4	Q4094. Who measured the yield on each of the growing areas? Independent advisor	
V186	q4094_5	Q4094. Who measured the yield on each of the growing areas? Cooperative	
V187	q4094_96	Q4094. Who measured the yield on each of the growing areas? Other specify1	

ID	Name	Label	Question
V188	q4094_98	Q4094. Who measured the yield on each of the growing areas? Other specify3	
V189	q4095a	Q4095. A. Compared to previous year, would you say your yield has ...?	
V190	q4096a	Q4096. A. How satisfied are you with your yield this season?	
V191	q4097a	Q4097. A. How satisfied are you with the price you received on the market?	
V192	q251	Q251. % of crop damaged at the time of harvest (total lost - not marketable) for <TARGET CROP>?	
V193	q4091	Q4091. What is the average size (diameter) of one tomato/pepper harvested on average? (cm)	
V194	q4092	Q4092. What is the number of marketable tomatoes/peppers fruits per square meter?	
V195	q246_1	Q246. % of the harvest of your target crop is used for own consumption	
V196	q246_2	Q246. % of the harvest of your target crop is used for feeding livestock	
V197	q246_3	Q246. % of the harvest of your target crop is used for harvest sold	
V198	q4002	Q4002. Did you take measures to prevent post-harvest loss for <TARGET CROP>?	
V199	q7013	Q7013. How do you deal with crop residue of <TARGET CROP>?	
V200	q377	Q377. What is the estimated revenue in <DOLLAR>/<HECTARES> for growing area A of <TARGET CROP>?	
V201	q378	Q378. Could you please indicate the estimated revenue in general? <DOLLAR>/<HECTARES>.	
V202	q379	Q379.A Can you please explain your answer for <TARGET CROP>?	
V203	q380	Q380. What is your total input cost for <TARGET CROP> from first field preparation until harvest?	
V204	q4111_1	Q4111. Actual costs SEEDS for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V205	q4111_2	Q4111. Actual costs FERTILIZERZ for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V206	q4111_3	Q4111. Actual costs LABOR for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V207	q4111_4	Q4111. Actual costs MACHINERY <TARGET CROP>?<DOLLAR>/<HECTARES>	
V208	q4111_5	Q4111. Actual costs WATER USE for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V209	q4111_6	Q4111. Actual costs FUEL for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V210	q4111_7	Q4111. Actual costs RENT/LOAN for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V211	q4111_8	Q4111. Actual costs FUNGICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V212	q4111_9	Q4111. Actual costs HERBICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V213	q4111_10	Q4111. Actual costs INSECTICIDES <TARGET CROP>?<DOLLAR>/<HECTARES>	
V214	q4111_98	Q4111. Actual costs DRYING for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V215	q381_1	Q381. Percentage of TREES/SEED costs out of the total input cost for <TARGET CROP>?	
V216	q381_2	Q381. Percentage of FERTILIZERS costs out of the total input cost for <TARGET CROP>?	
V217	q381_3	Q381. Percentage of PESTICIDES costs out of the total input cost for <TARGET CROP>?	
V218	q381_4	Q381. Percentage of LABOR costs out of the total input cost for <TARGET CROP>?	
V219	q381_5	Q381. Percentage of MACHINERY costs of the total input cost for <TARGET CROP>?	
V220	q381_6	Q381. Percentage of WATER USE costs out of the total input cost for <TARGET CROP>?	
V221	q381_7	Q381. Percentage of FUEL costs out of the total input cost for <TARGET CROP>?	
V222	q381_8	Q381. Percentage of ELECTRICITY costs out of the total input cost for <TARGET CROP>?	
V223	q381_9	Q381. Percentage of GAS costs out of the total input cost for <TARGET CROP>?	
V224	q381_10	Q381. Percentage of RENT/LOAN costs out of the total input cost for <TARGET CROP>?	
V225	q381_98	Q381. Percentage of OTHER costs out of the total input cost for <TARGET CROP>?	
V226	q4121	Q4121. In general for the whole cultivation period, rate the weather conditions for <TARGET CROP>?	
V227	q387_1	Q387. What was the impact for target crop? Reduced yield	
V228	q387_2	Q387. What was the impact for target crop? Reduced yield quality	

ID	Name	Label	Question
V229	q387_96	Q387. What was the impact for target crop? Other. Specify 1:	
V230	q387_oth1	Q387.Other. Impact for growing area A on the <TARGET CROP>?	
V231	q388	Q388. How would you say the level of rainfall was for growing area A	
V232	q388b	Q388. B. You mentioned you had less rainfall this season than usual. Was this problematic?	
V233	q388d	Q388D. You mentioned you had more rainfall this season than usual. Was this problematic?	
V234	q3880	Q3880. How would you say the temperature was during this season ?	
V235	q3880b	Q3880 B. You mentioned you had lower temperatures this season than usual. Was this problematic?	
V236	q3880d	Q3880 D. You mentioned you had higher temperatures this season than usual. Was this problematic?	
V237	q389	Q389. What is the MAIN water source of <TARGET CROP> during this season?	
V238	q390	Q390. What is the number of days you have been irrigating <TARGET CROP>?	
V239	q391	Q391. What is the average amount of hours per day you have been irrigating of <TARGET CROP>?	
V240	q392	Q392. What is the amount of liters that is discharged per hour of <TARGET CROP>?	
V241	q7016	Q7016. Please indicate what percentage of the area is irrigated for <TARGET CROP>	
V242	q7017	Q7017. Which method of irrigation did you apply for <TARGET CROP>?	
V243	q399c	Q399.C. How satisfied are you with the crop program and/or recommendations for <TARGET CROP>?	
V244	date1	field preparation	
V245	date2	sowing/planting	
V246	date3a	begin harvest	
V247	date3b	end harvest	
V248	harvestyear	Data collection wave	
V249	q4000_1	q4000_1. To whom do you sell your yield - I sell it on the local market	
V250	q4000_2	q4000_2. To whom do you sell your yield - I sell it to a trader	
V251	q4000_3	q4000_3. To whom do you sell your yield - I sell it to a wholesaler	
V252	q4000_4	q4000_4. To whom do you sell your yield - I sell it to a feed processing plant	
V253	q4000_5	q4000_5. To whom do you sell your yield - I sell it to a cooperative I am part of	
V254	q4000_6	q4000_6. To whom do you sell your yield -I sell it under a contract	
V255	q389_1	q389_1. Which water source has been used for irrigation? Private connection to pipeline	
V256	q389_2	q389_2. Which water source has been used for irrigation? Private well	
V257	q389_3	q389_3. Which water source has been used for irrigation? Private borehole	
V258	q389_4	q389_4. Which water source has been used for irrigation? Public river, stream	
V259	q389_5	q389_5. Which water source has been used for irrigation? Public lake, pond	
V260	q389_96	q389_96. Which water source has been used for irrigation? Other specify 1:	
V261	q389_oth1	q389_96. Which water source has been used for irrigation? Other specify 1:	
V262	q399	Q399. Please explain why you follow or do not follow the crop program and/or recommendations.	
V263	q397	Q397. Received a recommended growing protocol or crop program from an agricultural advisor?	
V264	q397b_oth1	Q397B. From whom did you receive the protocol/crop program? Other 1	
V265	q397b_oth2	Q397B. From whom did you receive the protocol/crop program? Other 2	
V266	q397c	Q397C. Did you receive a protocol/crop program from Syngenta?	
V267	q397d_oth	Q397.D. From which manufacturer have you received a protocol/crop program? OTHER	
V268	q35a_1	Q35.A. What group/association/cooperative are a member of? 1ST	
V269	q35a_2	Q35.A. What group/association/cooperative are a member of? 2ND	

ID	Name	Label	Question
V270	q35a_3	Q35.A. What group/association/cooperative are a member of? 3RD	
V271	q58	Q58. In general, what is the topography of your growing area?	
V272	q230_1	Bought seeds	
V273	q230_2	Saved seeds	
V274	q327	Q327. Please indicate the number of harvests/pickings per year for tomatoes/peppers?	
V275	q4001	Q4001. % of crop lost in-between harvest and storage or selling <TARG1>?	
V276	q247_1a	Q247. BUYER 1 % of yield	
V277	q247_2a	Q247. BUYER 2 % of yield	
V278	q247_3a	Q247. BUYER 3 % of yield	
V279	q247_4a	Q247. BUYER 4 % of yield	
V280	q247_5a	Q247. BUYER 5 % of yield	
V281	q247_1b	Q247. BUYER 1 price per metric ton	
V282	q247_2b	Q247. BUYER 2 price per metric ton	
V283	q247_3b	Q247. BUYER 3 price per metric ton	
V284	q247_4b	Q247. BUYER 4 price per metric ton	
V285	q247_5b	Q247. BUYER 5 price per metric ton	

total: 214

Data file: Crop_protection

Cases: 0

variables: 32

variables

ID	Name	Label	Question
V286	harvestyear	Data collection wave	
V287	GrowingArea	To which field/plot does the information relate to?	
V288	ClusterID	Unique cluster ID	
V289	country	Country	
V290	Farmtype	FARMTYPE	
V291	GrowerID	Unique respondent ID	
V292	product	Unique code of a product within application	
V293	crop	The crop of focus	
V294	application	Unique code of an application per field per grower	
V295	q241a	Q241 a. Timing of product application	
V296	q241b	Q241 b.Type of product	
V297	q241c	Q241 c . Brand product name	
V298	q241c1	Q241 c1. Brand product formulation	
V299	c241c	CODED VARIABLE - stringcode	
V300	c241ca1	CODED VARIABLE - active ingredient1	
V301	c241cp1	CODED VARIABLE - amount of ai1	
V302	c241cu1	CODED VARIABLE - unit (% or Gr)	
V303	c241ca2	CODED VARIABLE - active ingredient2	
V304	c241cp2	CODED VARIABLE - amount of ai2	
V305	c241ca3	CODED VARIABLE - active ingredient3	
V306	c241cp3	CODED VARIABLE - amount of ai3	
V307	c241cpt	CODED VARIABLE - total amount of ai	
V308	q241d	CODED VARIABLE Q241 d. Dosage ?	
V309	q241e	CODED VARIABLE Q241 e. Unit of quantity	
V310	q241f	Q241 f. Amount of H2O solved in LITERS per <HECTARE>	
V311	q241g	Q241 g. Pest/disease/ weed targeted ?	
V312	q241h	Q241 h. Level of pest/ disease/ weed pressure	
V313	q241i	Q241 i. Percentage of the area treated against pests/ diseases/ weeds	
V314	q241j	Q241 j. Percentage of crop free of pests/ diseases/ weeds at harvest (in %)	
V315	q241k	Q241 k. Equipment type ?	
V316	q241n	Q241 n. What is the timing of the treatment - before crop-emergence or after crop-emergence	
V317	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 32

Data file: Location

Cases:	0
variables:	19

variables

ID	Name	Label	Question
V318	harvestyear	Year in which the data was collected	
V319	country	Country	
V320	ClusterID	Unique identifier per cluster	
V321	GrowerID	Unique identifier per grower	
V322	GrowingArea	Field code (A or B)	
V323	CORNER	Multiple corners of same field can be registered (only from 2018 onwards)	
V324	gps_option	gps_option	
V325	gps_shape	Description of the field (from 2018 onwards)	
V326	q22d_lat_deg	Latitude degrees	
V327	q22d_lat_min	Latitude minutes	
V328	q22d_lat_sec	Latitude seconds	
V329	q22d_lon_deg	Longitude degrees	
V330	q22d_lon_min	Longitude minutes	
V331	q22d_lon_sec	Longitude seconds	
V332	remark_area	Remark from the interviewer (2019 onwards)	
V333	q151	Q151. Open field or in a greenhouse?	
V334	q1f	Q1. F. Would it be okay for you for this company to contact you with information on The GGP?	
V335	q25	Q25. Farm address - postal code	
V336	admin_level_1	administrative area 1	

total: 19

Data file: Activities and Machinery (Q382)

Cases: 0

variables: 9

variables

ID	Name	Label	Question
V337	harvestyear	Year in which the data was collected	
V338	country	Country	
V339	crop	Crop	
V340	ClusterID	Unique identifier per cluster	
V341	farmtype	Reference farms versus Benchmark farms	
V342	GrowerID	Unique identifier per grower	
V343	GrowingArea	Field code (A or B)	
V344	activity	Which activities did the grower do on his field?	
V345	Machinery	Did he use power driven equipment to complete this activity?	

total: 9

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Chemical fertilizer
2	Organic fertilizer

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	A
2	B

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
TanzaniaBarley1	TanzaniaBarley1
TanzaniaMaize1	TanzaniaMaize1
TanzaniaTomato1	TanzaniaTomato1

COUNTRY: Country

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
United Republic Of Tanzania	United Republic Of Tanzania

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
47100107	47100107
47100119	47100119
47100207	47100207
47100219	47100219
47100307	47100307
47100319	47100319
47100407	47100407
47100419	47100419
47100507	47100507
47100519	47100519
47100607	47100607
47100619	47100619
47100707	47100707
47100719	47100719
47100807	47100807
47100819	47100819
47100907	47100907
47100919	47100919
47101007	47101007
47101019	47101019
47101107	47101107
47101119	47101119
47101207	47101207
47101300	47101300
47101307	47101307
47101400	47101400
47101500	47101500
47101600	47101600
47200707	47200707
47200719	47200719
47200807	47200807
47200819	47200819
47200907	47200907
47200919	47200919

47201007	47201007
47201019	47201019
47201107	47201107
47201119	47201119
47201207	47201207
47201219	47201219
47201307	47201307
47201319	47201319
47201407	47201407
47201419	47201419
47201507	47201507
47201519	47201519
47201607	47201607
47201619	47201619
47201707	47201707
47201719	47201719
47201807	47201807
47201819	47201819
47201907	47201907
47201919	47201919
47202007	47202007
47202019	47202019
47202107	47202107
47202119	47202119
47202207	47202207
47202219	47202219
47202307	47202307
47202319	47202319
47202407	47202407
47202419	47202419
47202507	47202507
47202519	47202519
47202607	47202607
47202619	47202619
47202707	47202707
47202719	47202719
47202807	47202807
47202819	47202819
47202907	47202907

47202919	47202919
47203007	47203007
47203019	47203019

PRODUCT: Unique code of a product that was applied

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	1
2	2
3	3
4	4

CROP: The crop of focus

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Barley	Barley
Corn	Corn
Tomato	Tomato

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

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2015-01-26	2015-01-26
2015-03-10	2015-03-10
2015-03-18	2015-03-18
2015-03-20	2015-03-20
2015-03-23	2015-03-23
2015-03-24	2015-03-24
2015-03-30	2015-03-30
2016-09-10	2016-09-10
2016-10-16	2016-10-16
2016-10-28	2016-10-28
2016-11-01	2016-11-01
2016-11-05	2016-11-05
2016-11-09	2016-11-09
2016-11-10	2016-11-10
2016-11-15	2016-11-15
2016-11-18	2016-11-18
2016-11-19	2016-11-19
2016-11-20	2016-11-20
2016-11-22	2016-11-22
2016-11-25	2016-11-25
2016-11-26	2016-11-26
2016-11-30	2016-11-30
2016-12-01	2016-12-01
2016-12-02	2016-12-02
2016-12-03	2016-12-03
2016-12-07	2016-12-07
2016-12-14	2016-12-14
2016-12-15	2016-12-15
2016-12-16	2016-12-16
2016-12-17	2016-12-17
2016-12-18	2016-12-18
2016-12-20	2016-12-20
2016-12-28	2016-12-28
2016-12-30	2016-12-30

2017-01-01	2017-01-01
2017-01-02	2017-01-02
2017-01-03	2017-01-03
2017-01-08	2017-01-08
2017-01-09	2017-01-09
2017-01-10	2017-01-10
2017-01-15	2017-01-15
2017-01-19	2017-01-19
2017-01-20	2017-01-20
2017-01-22	2017-01-22
2017-01-23	2017-01-23
2017-01-24	2017-01-24
2017-01-25	2017-01-25
2017-01-29	2017-01-29
2017-01-30	2017-01-30
2017-02-04	2017-02-04
2017-02-08	2017-02-08
2017-02-10	2017-02-10
2017-02-12	2017-02-12
2017-08-15	2017-08-15
2017-08-30	2017-08-30
2017-09-02	2017-09-02
2017-09-05	2017-09-05
2017-09-06	2017-09-06
2017-09-10	2017-09-10
2017-09-12	2017-09-12
2017-09-13	2017-09-13
2017-09-15	2017-09-15
2017-09-20	2017-09-20
2017-09-21	2017-09-21
2017-09-25	2017-09-25
2017-09-28	2017-09-28
2017-09-29	2017-09-29
2017-09-30	2017-09-30
2017-10-05	2017-10-05
2017-10-10	2017-10-10
2017-10-15	2017-10-15
2017-10-20	2017-10-20
2017-10-29	2017-10-29

2017-10-30	2017-10-30
2017-11-01	2017-11-01
2017-11-10	2017-11-10
2017-11-15	2017-11-15
2017-11-20	2017-11-20
2017-12-15	2017-12-15
2017-12-16	2017-12-16
2017-12-25	2017-12-25
2017-12-28	2017-12-28
2017-12-29	2017-12-29
2017-12-30	2017-12-30
2018-01-02	2018-01-02
2018-01-07	2018-01-07
2018-01-12	2018-01-12
2018-01-15	2018-01-15
2018-01-18	2018-01-18
2018-01-25	2018-01-25
2018-01-30	2018-01-30
2018-02-01	2018-02-01
2018-02-02	2018-02-02
2018-02-03	2018-02-03
2018-02-05	2018-02-05
2018-02-07	2018-02-07
2018-02-08	2018-02-08
2018-02-15	2018-02-15
2018-02-17	2018-02-17
2018-02-20	2018-02-20
2018-02-28	2018-02-28
2018-03-01	2018-03-01
2018-03-03	2018-03-03
2018-03-05	2018-03-05
2018-03-06	2018-03-06
2018-03-15	2018-03-15
2018-03-18	2018-03-18
2018-03-20	2018-03-20
2018-09-10	2018-09-10
2018-09-15	2018-09-15
2018-09-20	2018-09-20
2018-09-24	2018-09-24

2018-09-25	2018-09-25
2018-09-28	2018-09-28
2018-09-30	2018-09-30
2018-10-01	2018-10-01
2018-10-05	2018-10-05
2018-10-08	2018-10-08
2018-10-15	2018-10-15
2018-10-20	2018-10-20
2018-10-25	2018-10-25
2018-10-30	2018-10-30
2018-11-01	2018-11-01
2018-11-02	2018-11-02
2018-11-05	2018-11-05
2018-11-10	2018-11-10
2018-11-15	2018-11-15
2018-11-20	2018-11-20
2018-11-30	2018-11-30
2018-12-01	2018-12-01
2018-12-15	2018-12-15
2018-12-30	2018-12-30
2019-01-01	2019-01-01
2019-01-05	2019-01-05
2019-01-15	2019-01-15
2019-01-20	2019-01-20
2019-01-25	2019-01-25
2019-01-30	2019-01-30
2019-02-01	2019-02-01
2019-02-15	2019-02-15
2019-03-01	2019-03-01
2019-03-02	2019-03-02
2019-09-10	2019-09-10
2019-09-15	2019-09-15
2019-09-18	2019-09-18
2019-09-20	2019-09-20
2019-09-21	2019-09-21
2019-09-25	2019-09-25
2019-09-30	2019-09-30
2019-10-10	2019-10-10
2019-10-20	2019-10-20

2019-10-25	2019-10-25
2019-10-30	2019-10-30
2019-11-01	2019-11-01
2019-11-05	2019-11-05
2019-11-10	2019-11-10
2019-11-15	2019-11-15

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: 1.5 - 988.44 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 - 1000 Format: Numeric

Q229CG: Q229C g. Percentage N (in %)

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

■ Q229CH: Q229C h. Percentage P (P2O5) (in %)

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

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

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

■ Q229CJ: Q229C j. Equipment type

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
TanzaniaBarley1	TanzaniaBarley1
TanzaniaMaize1	TanzaniaMaize1
TanzaniaTomato1	TanzaniaTomato1

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
United Republic Of Tanzania	United Republic Of Tanzania

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
47100107	47100107
47100119	47100119
47100207	47100207
47100219	47100219
47100307	47100307
47100319	47100319
47100407	47100407
47100419	47100419
47100507	47100507

47100519	47100519
47100607	47100607
47100619	47100619
47100707	47100707
47100719	47100719
47100807	47100807
47100819	47100819
47100907	47100907
47100919	47100919
47101007	47101007
47101019	47101019
47101107	47101107
47101119	47101119
47101200	47101200
47101207	47101207
47101307	47101307
47101400	47101400
47101500	47101500
47200200	47200200
47200500	47200500
47200600	47200600
47200707	47200707
47200719	47200719
47200800	47200800
47200807	47200807
47200819	47200819
47200907	47200907
47200919	47200919
47201000	47201000
47201007	47201007
47201019	47201019
47201107	47201107
47201119	47201119
47201207	47201207
47201219	47201219
47201307	47201307
47201319	47201319
47201407	47201407
47201419	47201419

47201507	47201507
47201519	47201519
47201607	47201607
47201619	47201619
47201707	47201707
47201719	47201719
47201807	47201807
47201819	47201819
47201900	47201900
47201907	47201907
47201919	47201919
47202000	47202000
47202007	47202007
47202019	47202019
47202107	47202107
47202119	47202119
47202200	47202200
47202207	47202207
47202307	47202307
47202319	47202319
47202407	47202407
47202419	47202419
47202507	47202507
47202519	47202519
47202607	47202607
47202619	47202619
47202707	47202707
47202719	47202719
47202807	47202807
47202819	47202819
47202907	47202907
47202919	47202919
47203007	47203007
47203019	47203019

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

CROP: The crop of focus

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Barley	Barley
Corn	Corn
Tomato	Tomato

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

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.1 - 23 Format: Numeric

Q233C_A: Q233C. a. Timing of product application

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2014-11-17	2014-11-17
2015-01-30	2015-01-30
2015-02-01	2015-02-01
2015-02-28	2015-02-28
2015-03-15	2015-03-15
2016-08-14	2016-08-14

Q233C_B: Q233C. b.Type of product

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Insecticide

Q233C_C: Q233C. c. Brand product name

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q233C_C2: Q233C. c2. Brand product formulation

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C233C_C: CODED VARIABLE - stringcode

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C233CA1: CODED VARIABLE - active ingredient1

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
CYPERMETHRIN	CYPERMETHRIN
Do not know	Do not know
THIAMETHOXAM	THIAMETHOXAM

C233CP1: CODED VARIABLE - amount of ai1

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 144 - 350 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

Q233C_D: Q233C. d. PRODUCT 1: Dosage**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	70
2	10
3	75

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
MILLILITER/HECT	MILLILITER/HECT

ML/KG

ML/KG

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 500 - 700 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
Aphids,flea beetles,leafminers	Aphids,flea beetles,leafminers
Aphids,wireworms,flea beetles,leafminers	Aphids,wireworms,flea beetles,leafminers
DK	DK
Don't know / no answer	Don't know / no answer
White Flies	White Flies
flea beetles,leafminers	flea beetles,leafminers

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: 2015 - 2019 Format: Numeric

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
eame	eame

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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
tanzaniabarley1	tanzaniabarley1
tanzaniamaize1	tanzaniamaize1
tanzaniatomato1	tanzaniatomato1

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
United Republic Of Tanzania	United Republic Of Tanzania

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
47100107	47100107
47100119	47100119
47100207	47100207
47100219	47100219
47100307	47100307
47100319	47100319
47100407	47100407
47100419	47100419
47100507	47100507
47100519	47100519
47100607	47100607
47100619	47100619
47100707	47100707
47100719	47100719
47100807	47100807
47100819	47100819
47100907	47100907
47100919	47100919
47101007	47101007
47101019	47101019

47101107	47101107
47101119	47101119
47101200	47101200
47101207	47101207
47101300	47101300
47101307	47101307
47101400	47101400
47101500	47101500
47101600	47101600
47200100	47200100
47200200	47200200
47200300	47200300
47200400	47200400
47200500	47200500
47200600	47200600
47200700	47200700
47200707	47200707
47200719	47200719
47200800	47200800
47200807	47200807
47200819	47200819
47200900	47200900
47200907	47200907
47200919	47200919
47201000	47201000
47201007	47201007
47201019	47201019
47201100	47201100
47201107	47201107
47201119	47201119
47201207	47201207
47201219	47201219
47201307	47201307
47201319	47201319
47201407	47201407
47201419	47201419
47201507	47201507
47201519	47201519
47201607	47201607

47201619	47201619
47201700	47201700
47201707	47201707
47201719	47201719
47201800	47201800
47201807	47201807
47201819	47201819
47201900	47201900
47201907	47201907
47201919	47201919
47202000	47202000
47202007	47202007
47202019	47202019
47202100	47202100
47202107	47202107
47202119	47202119
47202200	47202200
47202207	47202207
47202219	47202219
47202300	47202300
47202307	47202307
47202319	47202319
47202400	47202400
47202407	47202407
47202419	47202419
47202500	47202500
47202507	47202507
47202519	47202519
47202607	47202607
47202619	47202619
47202707	47202707
47202719	47202719
47202807	47202807
47202819	47202819
47202907	47202907
47202919	47202919
47203007	47203007
47203019	47203019

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
barley	barley
corn	corn
tomato	tomato

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 - 81 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 - 142 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 - 243 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: 1.75 - 14 Format: Numeric

PESTICIDEAPPLICATIONEFFICIENCY: Number of field applications used per ton produced**Data file: Farm_level_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.08 - 1.77777777777778 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 - 43.2207604562738 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 - 18.8442515589354 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 - 7.54746666666667 Format: Numeric

SEEEFFICIENCY: Kgs of seeds used per ton produced**Data file: Farm_level_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.0149253731343284 - 70.5714285714286 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: 9.230769230769e-05 - 0.733764705882353 Format: Numeric

HERBICIDEEFFICIENCY: Kgs of active ingredients from herbicides used per ton produced**Data file: Farm_level_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.733764705882353 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 - 0.4714755 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 - 0.648 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 - 242820 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: 0.854320987654321 - 97.3913043478261 Format: Numeric

MACHINERYEFFICIENCY: Amount of machinery used in hours per unit of crop output produced**Data file:** Farm_level_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 22.0952380952381 Format: Numeric

SYNGENTASHARE: Percentage of syngenta products used compared to total number of products used**Data file:** Farm_level_data**Overview**

Valid: 0 Invalid: 0

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

USER_VS_NON_USER: Does the grower use Syngenta products?**Data file:** Farm_level_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	non-user
2	exclusive user
3	mixed user

PROTOCOL: have received a crop program and/or any recommendations this season?**Data file:** Farm_level_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

FIELD_PREPARATION: Date of first field preparation

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2014-11-17	2014-11-17
2015-01-01	2015-01-01
2015-01-06	2015-01-06
2015-01-08	2015-01-08
2015-01-10	2015-01-10
2015-01-15	2015-01-15
2015-01-17	2015-01-17
2015-01-20	2015-01-20
2015-01-30	2015-01-30
2015-02-01	2015-02-01
2015-02-08	2015-02-08
2015-02-10	2015-02-10
2015-02-15	2015-02-15
2015-02-17	2015-02-17
2015-02-18	2015-02-18
2015-02-20	2015-02-20
2015-03-02	2015-03-02
2015-03-15	2015-03-15
2015-07-10	2015-07-10
2015-08-01	2015-08-01
2015-08-12	2015-08-12
2015-08-16	2015-08-16
2015-08-20	2015-08-20

2015-09-02	2015-09-02
2015-09-07	2015-09-07
2015-09-08	2015-09-08
2015-09-10	2015-09-10
2015-09-12	2015-09-12
2015-09-13	2015-09-13
2015-09-14	2015-09-14
2015-09-15	2015-09-15
2015-09-17	2015-09-17
2015-09-18	2015-09-18
2015-09-20	2015-09-20
2015-10-01	2015-10-01
2015-10-13	2015-10-13
2015-10-20	2015-10-20
2016-07-15	2016-07-15
2016-08-01	2016-08-01
2016-08-02	2016-08-02
2016-08-03	2016-08-03
2016-08-07	2016-08-07
2016-08-10	2016-08-10
2016-08-12	2016-08-12
2016-08-14	2016-08-14
2016-08-15	2016-08-15
2016-08-20	2016-08-20
2016-08-21	2016-08-21
2016-08-25	2016-08-25
2016-08-28	2016-08-28
2016-09-01	2016-09-01
2016-09-03	2016-09-03
2016-09-04	2016-09-04
2016-09-05	2016-09-05
2016-09-10	2016-09-10
2016-09-13	2016-09-13
2016-09-30	2016-09-30
2016-10-02	2016-10-02
2016-10-03	2016-10-03
2016-10-05	2016-10-05
2016-10-06	2016-10-06
2016-10-08	2016-10-08

2016-10-10	2016-10-10
2016-10-11	2016-10-11
2016-10-13	2016-10-13
2016-10-15	2016-10-15
2016-10-18	2016-10-18
2016-10-20	2016-10-20
2016-10-23	2016-10-23
2016-10-25	2016-10-25
2016-10-27	2016-10-27
2016-10-28	2016-10-28
2016-10-29	2016-10-29
2016-10-30	2016-10-30
2016-11-05	2016-11-05
2016-11-10	2016-11-10
2017-08-05	2017-08-05
2017-08-06	2017-08-06
2017-08-07	2017-08-07
2017-08-10	2017-08-10
2017-08-11	2017-08-11
2017-08-12	2017-08-12
2017-08-16	2017-08-16
2017-08-19	2017-08-19
2017-08-20	2017-08-20
2017-08-21	2017-08-21
2017-08-27	2017-08-27
2017-09-01	2017-09-01
2017-09-02	2017-09-02
2017-09-03	2017-09-03
2017-09-05	2017-09-05
2017-09-06	2017-09-06
2017-09-09	2017-09-09
2017-09-10	2017-09-10
2017-10-01	2017-10-01
2017-10-02	2017-10-02
2017-10-03	2017-10-03
2017-10-05	2017-10-05
2017-10-07	2017-10-07
2017-10-08	2017-10-08
2017-10-09	2017-10-09

2017-10-10	2017-10-10
2017-10-11	2017-10-11
2017-10-13	2017-10-13
2017-10-14	2017-10-14
2017-10-15	2017-10-15
2017-10-18	2017-10-18
2017-10-20	2017-10-20
2017-10-22	2017-10-22
2017-11-04	2017-11-04
2017-11-10	2017-11-10
2017-11-11	2017-11-11
2017-11-13	2017-11-13
2018-09-01	2018-09-01
2018-09-02	2018-09-02
2018-09-03	2018-09-03
2018-09-04	2018-09-04
2018-09-05	2018-09-05
2018-09-06	2018-09-06
2018-09-07	2018-09-07
2018-09-08	2018-09-08
2018-09-10	2018-09-10
2018-09-12	2018-09-12
2018-09-15	2018-09-15
2018-09-16	2018-09-16
2018-09-17	2018-09-17
2018-09-18	2018-09-18
2018-09-20	2018-09-20
2018-09-21	2018-09-21
2018-09-22	2018-09-22
2018-09-23	2018-09-23
2018-09-25	2018-09-25
2018-09-30	2018-09-30
2018-10-05	2018-10-05
2018-10-11	2018-10-11
2018-10-14	2018-10-14
2019-08-30	2019-08-30
2019-09-01	2019-09-01
2019-09-03	2019-09-03
2019-09-05	2019-09-05

2019-09-06	2019-09-06
2019-09-10	2019-09-10

PLANTING_DATE: Date of sowing or planting

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2015-03-01	2015-03-01
2015-03-10	2015-03-10
2015-03-13	2015-03-13
2015-03-15	2015-03-15
2015-03-18	2015-03-18
2015-03-20	2015-03-20
2015-03-23	2015-03-23
2015-03-24	2015-03-24
2015-03-25	2015-03-25
2015-03-26	2015-03-26
2015-03-30	2015-03-30
2015-04-01	2015-04-01
2015-04-04	2015-04-04
2015-04-05	2015-04-05
2015-04-06	2015-04-06
2015-04-08	2015-04-08
2015-04-10	2015-04-10
2015-04-12	2015-04-12
2015-04-13	2015-04-13
2015-04-15	2015-04-15
2015-04-16	2015-04-16
2015-04-30	2015-04-30
2015-10-02	2015-10-02
2015-10-03	2015-10-03
2015-10-05	2015-10-05

2015-10-07	2015-10-07
2015-10-08	2015-10-08
2015-10-09	2015-10-09
2015-10-10	2015-10-10
2015-10-13	2015-10-13
2015-10-15	2015-10-15
2015-10-18	2015-10-18
2015-10-19	2015-10-19
2015-10-20	2015-10-20
2015-10-22	2015-10-22
2015-10-23	2015-10-23
2015-10-24	2015-10-24
2015-10-29	2015-10-29
2015-11-10	2015-11-10
2016-09-01	2016-09-01
2016-09-03	2016-09-03
2016-09-05	2016-09-05
2016-09-07	2016-09-07
2016-09-08	2016-09-08
2016-09-10	2016-09-10
2016-09-11	2016-09-11
2016-09-15	2016-09-15
2016-09-18	2016-09-18
2016-09-20	2016-09-20
2016-09-30	2016-09-30
2016-10-02	2016-10-02
2016-10-16	2016-10-16
2016-10-20	2016-10-20
2016-11-05	2016-11-05
2016-11-08	2016-11-08
2016-11-11	2016-11-11
2016-11-12	2016-11-12
2016-11-14	2016-11-14
2016-11-15	2016-11-15
2016-11-17	2016-11-17
2016-11-18	2016-11-18
2016-11-19	2016-11-19
2016-11-20	2016-11-20
2016-11-23	2016-11-23

2016-11-24	2016-11-24
2016-11-25	2016-11-25
2016-11-26	2016-11-26
2016-11-28	2016-11-28
2016-11-29	2016-11-29
2016-11-30	2016-11-30
2016-12-02	2016-12-02
2016-12-08	2016-12-08
2017-09-02	2017-09-02
2017-09-04	2017-09-04
2017-09-05	2017-09-05
2017-09-06	2017-09-06
2017-09-10	2017-09-10
2017-09-11	2017-09-11
2017-09-12	2017-09-12
2017-09-13	2017-09-13
2017-09-15	2017-09-15
2017-09-16	2017-09-16
2017-09-18	2017-09-18
2017-09-20	2017-09-20
2017-09-25	2017-09-25
2017-09-27	2017-09-27
2017-09-28	2017-09-28
2017-09-29	2017-09-29
2017-09-30	2017-09-30
2017-10-25	2017-10-25
2017-11-01	2017-11-01
2017-11-02	2017-11-02
2017-11-04	2017-11-04
2017-11-05	2017-11-05
2017-11-09	2017-11-09
2017-11-13	2017-11-13
2017-11-15	2017-11-15
2017-11-16	2017-11-16
2017-11-18	2017-11-18
2017-11-20	2017-11-20
2017-11-21	2017-11-21
2017-11-23	2017-11-23
2017-11-28	2017-11-28

2017-11-29	2017-11-29
2017-11-30	2017-11-30
2018-09-15	2018-09-15
2018-09-20	2018-09-20
2018-09-25	2018-09-25
2018-09-27	2018-09-27
2018-09-28	2018-09-28
2018-09-30	2018-09-30
2018-10-15	2018-10-15
2018-10-20	2018-10-20
2018-10-24	2018-10-24
2018-10-25	2018-10-25
2018-10-26	2018-10-26
2018-10-30	2018-10-30
2018-11-01	2018-11-01
2018-11-15	2018-11-15
2019-09-15	2019-09-15
2019-09-18	2019-09-18
2019-09-20	2019-09-20
2019-09-21	2019-09-21
2019-09-25	2019-09-25

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
2015-07-15	2015-07-15
2015-07-17	2015-07-17
2015-07-20	2015-07-20
2015-07-22	2015-07-22
2015-07-23	2015-07-23
2015-07-24	2015-07-24

2015-07-25	2015-07-25
2015-07-26	2015-07-26
2015-07-27	2015-07-27
2015-07-28	2015-07-28
2015-07-29	2015-07-29
2015-07-30	2015-07-30
2015-07-31	2015-07-31
2015-08-01	2015-08-01
2015-08-02	2015-08-02
2015-08-05	2015-08-05
2015-08-08	2015-08-08
2016-04-01	2016-04-01
2016-04-02	2016-04-02
2016-04-03	2016-04-03
2016-04-04	2016-04-04
2016-04-05	2016-04-05
2016-04-07	2016-04-07
2016-04-08	2016-04-08
2016-04-10	2016-04-10
2016-04-11	2016-04-11
2016-04-13	2016-04-13
2016-04-15	2016-04-15
2016-04-19	2016-04-19
2016-04-20	2016-04-20
2016-04-22	2016-04-22
2016-04-25	2016-04-25
2016-04-28	2016-04-28
2016-05-03	2016-05-03
2016-05-12	2016-05-12
2016-05-15	2016-05-15
2016-05-20	2016-05-20
2016-11-28	2016-11-28
2016-11-30	2016-11-30
2016-12-08	2016-12-08
2016-12-10	2016-12-10
2016-12-12	2016-12-12
2016-12-15	2016-12-15
2016-12-16	2016-12-16
2016-12-18	2016-12-18

2016-12-20	2016-12-20
2016-12-21	2016-12-21
2016-12-25	2016-12-25
2017-03-02	2017-03-02
2017-03-05	2017-03-05
2017-03-07	2017-03-07
2017-03-08	2017-03-08
2017-03-09	2017-03-09
2017-03-11	2017-03-11
2017-03-12	2017-03-12
2017-03-13	2017-03-13
2017-03-14	2017-03-14
2017-03-15	2017-03-15
2017-03-16	2017-03-16
2017-03-17	2017-03-17
2017-03-18	2017-03-18
2017-03-19	2017-03-19
2017-03-20	2017-03-20
2017-03-22	2017-03-22
2017-03-25	2017-03-25
2017-03-28	2017-03-28
2017-03-30	2017-03-30
2017-04-03	2017-04-03
2017-12-10	2017-12-10
2017-12-15	2017-12-15
2017-12-16	2017-12-16
2017-12-18	2017-12-18
2017-12-20	2017-12-20
2017-12-25	2017-12-25
2017-12-28	2017-12-28
2017-12-30	2017-12-30
2018-04-22	2018-04-22
2018-04-25	2018-04-25
2018-04-26	2018-04-26
2018-04-27	2018-04-27
2018-04-28	2018-04-28
2018-04-30	2018-04-30
2018-05-01	2018-05-01
2018-05-02	2018-05-02

2018-05-07	2018-05-07
2018-05-10	2018-05-10
2018-05-18	2018-05-18
2018-12-10	2018-12-10
2018-12-12	2018-12-12
2018-12-15	2018-12-15
2018-12-17	2018-12-17
2018-12-18	2018-12-18
2018-12-20	2018-12-20
2018-12-23	2018-12-23
2018-12-25	2018-12-25
2018-12-30	2018-12-30
2019-04-20	2019-04-20
2019-04-25	2019-04-25
2019-04-30	2019-04-30
2019-05-01	2019-05-01
2019-05-02	2019-05-02
2019-05-03	2019-05-03
2019-05-05	2019-05-05
2019-12-13	2019-12-13
2019-12-15	2019-12-15
2019-12-18	2019-12-18
2019-12-20	2019-12-20

HARVEST_END: Date when harvest ended

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2015-07-20	2015-07-20
2015-07-22	2015-07-22
2015-07-24	2015-07-24
2015-07-25	2015-07-25

2015-07-26	2015-07-26
2015-07-27	2015-07-27
2015-07-28	2015-07-28
2015-07-29	2015-07-29
2015-07-30	2015-07-30
2015-08-01	2015-08-01
2015-08-02	2015-08-02
2015-08-03	2015-08-03
2015-08-04	2015-08-04
2015-08-05	2015-08-05
2015-08-06	2015-08-06
2015-08-07	2015-08-07
2015-08-08	2015-08-08
2015-08-11	2015-08-11
2015-08-12	2015-08-12
2015-08-13	2015-08-13
2016-04-05	2016-04-05
2016-04-06	2016-04-06
2016-04-10	2016-04-10
2016-04-11	2016-04-11
2016-04-14	2016-04-14
2016-04-15	2016-04-15
2016-04-18	2016-04-18
2016-04-19	2016-04-19
2016-04-20	2016-04-20
2016-04-24	2016-04-24
2016-04-25	2016-04-25
2016-04-30	2016-04-30
2016-05-08	2016-05-08
2016-05-09	2016-05-09
2016-05-15	2016-05-15
2016-05-20	2016-05-20
2016-05-26	2016-05-26
2016-05-30	2016-05-30
2016-12-15	2016-12-15
2016-12-19	2016-12-19
2016-12-20	2016-12-20
2016-12-22	2016-12-22
2016-12-24	2016-12-24

2016-12-26	2016-12-26
2016-12-27	2016-12-27
2016-12-29	2016-12-29
2016-12-30	2016-12-30
2016-12-31	2016-12-31
2017-01-02	2017-01-02
2017-01-05	2017-01-05
2017-03-26	2017-03-26
2017-03-28	2017-03-28
2017-04-02	2017-04-02
2017-04-04	2017-04-04
2017-04-06	2017-04-06
2017-04-07	2017-04-07
2017-04-10	2017-04-10
2017-04-11	2017-04-11
2017-04-12	2017-04-12
2017-04-14	2017-04-14
2017-04-15	2017-04-15
2017-04-16	2017-04-16
2017-04-18	2017-04-18
2017-04-19	2017-04-19
2017-04-20	2017-04-20
2017-04-21	2017-04-21
2017-04-26	2017-04-26
2017-12-24	2017-12-24
2017-12-25	2017-12-25
2017-12-28	2017-12-28
2017-12-30	2017-12-30
2017-12-31	2017-12-31
2018-01-02	2018-01-02
2018-01-04	2018-01-04
2018-01-05	2018-01-05
2018-01-08	2018-01-08
2018-01-10	2018-01-10
2018-01-12	2018-01-12
2018-04-25	2018-04-25
2018-04-29	2018-04-29
2018-05-01	2018-05-01
2018-05-02	2018-05-02

2018-05-03	2018-05-03
2018-05-05	2018-05-05
2018-05-06	2018-05-06
2018-05-07	2018-05-07
2018-05-08	2018-05-08
2018-05-10	2018-05-10
2018-05-12	2018-05-12
2018-05-15	2018-05-15
2018-05-16	2018-05-16
2018-05-17	2018-05-17
2018-05-23	2018-05-23
2018-12-20	2018-12-20
2018-12-25	2018-12-25
2018-12-30	2018-12-30
2019-01-05	2019-01-05
2019-01-07	2019-01-07
2019-01-08	2019-01-08
2019-05-01	2019-05-01
2019-05-03	2019-05-03
2019-05-05	2019-05-05
2019-05-07	2019-05-07
2019-05-08	2019-05-08
2019-05-10	2019-05-10
2019-05-12	2019-05-12
2019-05-13	2019-05-13
2019-05-15	2019-05-15
2019-12-25	2019-12-25
2019-12-27	2019-12-27
2019-12-28	2019-12-28
2019-12-30	2019-12-30
2019-12-31	2019-12-31
2020-01-01	2020-01-01

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
United Republic Of Tanzania	United Republic Of Tanzania

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
tanzaniabarley1	tanzaniabarley1
tanzaniamaize1	tanzaniamaize1
tanzaniatomato1	tanzaniatomato1

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
47100107	47100107
47100119	47100119
47100207	47100207
47100219	47100219
47100307	47100307
47100319	47100319
47100407	47100407
47100419	47100419
47100507	47100507
47100519	47100519
47100607	47100607
47100619	47100619
47100707	47100707
47100719	47100719
47100807	47100807
47100819	47100819
47100907	47100907
47100919	47100919
47101007	47101007
47101019	47101019
47101107	47101107
47101119	47101119
47101200	47101200
47101207	47101207
47101300	47101300
47101307	47101307
47101400	47101400
47101500	47101500
47101600	47101600
47200100	47200100

47200200	47200200
47200300	47200300
47200400	47200400
47200500	47200500
47200600	47200600
47200700	47200700
47200707	47200707
47200719	47200719
47200800	47200800
47200807	47200807
47200819	47200819
47200900	47200900
47200907	47200907
47200919	47200919
47201000	47201000
47201007	47201007
47201019	47201019
47201100	47201100
47201107	47201107
47201119	47201119
47201207	47201207
47201219	47201219
47201307	47201307
47201319	47201319
47201407	47201407
47201419	47201419
47201507	47201507
47201519	47201519
47201607	47201607
47201619	47201619
47201700	47201700
47201707	47201707
47201719	47201719
47201800	47201800
47201807	47201807
47201819	47201819
47201900	47201900
47201907	47201907
47201919	47201919

47202000	47202000
47202007	47202007
47202019	47202019
47202100	47202100
47202107	47202107
47202119	47202119
47202200	47202200
47202207	47202207
47202219	47202219
47202300	47202300
47202307	47202307
47202319	47202319
47202400	47202400
47202407	47202407
47202419	47202419
47202500	47202500
47202507	47202507
47202519	47202519
47202607	47202607
47202619	47202619
47202707	47202707
47202719	47202719
47202807	47202807
47202819	47202819
47202907	47202907
47202919	47202919
47203007	47203007
47203019	47203019

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes

CROP: Crop of focus

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
barley	barley
corn	corn
tomato	tomato

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2.02 - 16 Format: Numeric

Q19: Q19. Surname**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q20: Q20. First name**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q21: Q21. Phone number**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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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: 1923 - 1987 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: 11 - 25 Format: Numeric

Q30: Q30. Are you a full-time or part-time farmer?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Full-time grower
2	Part-time grower

Q30B: Q30. B. How long have you been engaged in farming activities?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 3 - 43 Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q7005: Q7005. How many years ago did you start growing a cover crop for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 18 Format: Numeric

Q33: Q33. Did you receive an agronomical/agricultural education?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
01 not satisfied at all	01 not satisfied at all
02	02
03	03
04	04
05	05
06	06
07	07
08	08
09	09
10 very satisfied	10 very satisfied

Q37A: Q37.A. Do you have signs of soil erosion by water on

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q37B: Q37.B. Do you have signs of soil erosion by wind on your farm?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

1	yes
2	no

Q7001: Q7001. Have you changed your tillage practices for in the past 20 years?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	from no tillage to reduced tillage
2	from no tillage to conventional tillage
3	from reduced tillage to no tillage
4	from reduced to conventional tillage

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 10 Format: Numeric

Q7006: Q7006 Have you stopped growing a cover crop in the past 20 years for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q7007: Q7007. How many years ago did you stop growing a cover crop for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q7008: Q7008. For was any land converted from arable land/grassland/forest in the past 20 years?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q7009: Q7009. How did the use of your land change for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 14 Format: Numeric

Q65: Q65. Do you practice intercropping for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q66_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_3: Q66. Which crops do you intercrop? Barley

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q66_7: Q66. Which crops do you intercrop? Corn

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q66_13: Q66. Which crops do you intercrop? Potato

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_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_32: Q66. Which crops do you intercrop? Cassava

Data file: Global_farm_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_64: Q66. Which crops do you intercrop? Nuts

Data file: Global_farm_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_80: Q66. Which crops do you intercrop? Pulses (lentils, beans, peas)

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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_8: Q61. What crops are you cultivating in rotation? Cotton**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_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_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_20: Q61. What crops are you cultivating in rotation? Watermelon**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_30: Q61. What crops are you cultivating in rotation? Cabbage**Data file:** Global_farm_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_32: Q61. What crops are you cultivating in rotation? Cassava**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned

2	mentioned
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Q61_43: Q61. What crops are you cultivating in rotation? Eggplant

Data file: Global_farm_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_53: Q61. What crops are you cultivating in rotation? Herbs

Data file: Global_farm_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_56: Q61. What crops are you cultivating in rotation? Lady finger (Okra)

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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1	not mentioned
2	mentioned

Q61_62: Q61. What crops are you cultivating in rotation? Millet

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_67: Q61. What crops are you cultivating in rotation? Onion

Data file: Global_farm_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_69: Q61. What crops are you cultivating in rotation? Other peppers

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_80: Q61. What crops are you cultivating in rotation? Pulses (lentils, beans, peas)

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_87: Q61. What crops are you cultivating in rotation? Spinach

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_96: Q61. What crops are you cultivating in rotation? Other. Specify 1

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

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 - 12 Format: Numeric

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	moist
2	dry

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	good drainage
2	poor drainage

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes

Q55E2_1: Q55E2. Who organized this training? Syngenta representative

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q55E2_3: Q55E2. Who organized this training? Extension officer**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q55E2_4: Q55E2. Who organized this training? Cooperative**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q55E2_5: Q55E2. Who organized this training? Agronomist/advisor**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q55E2_6: Q55E2. Who organized this training? Supplier**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q55E2_7: Q55E2. Who organized this training? Governmental organization (e.g. Ministry)**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q5501: Q5501. Have you been contacted by a Syngenta representative during the past season?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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1	yes
2	no

Q5502_1: Q5502. Can you describe how the Syngenta representative contacted you? Demonstration day

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q5502_2: Q5502. Can you describe how the Syngenta representative contacted you? They visited my farm

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q5502_3: Q5502. Can you describe how the Syngenta representative contacted you? Received a brochure

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q5502_4: Q5502. Can you describe how the Syngenta representative contacted you? Phone call

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q5503: Q5503. How useful was contact with the Syngenta Representative

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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
2015-07-10	2015-07-10
2015-08-01	2015-08-01
2015-08-12	2015-08-12
2015-08-16	2015-08-16
2015-08-20	2015-08-20
2015-09-02	2015-09-02
2015-09-07	2015-09-07
2015-09-08	2015-09-08
2015-09-10	2015-09-10
2015-09-12	2015-09-12
2015-09-13	2015-09-13
2015-09-14	2015-09-14
2015-09-15	2015-09-15
2015-09-17	2015-09-17
2015-09-18	2015-09-18
2015-09-20	2015-09-20
2015-10-01	2015-10-01
2015-10-13	2015-10-13

2015-10-20	2015-10-20
2016-07-15	2016-07-15
2016-08-01	2016-08-01
2016-08-02	2016-08-02
2016-08-03	2016-08-03
2016-08-07	2016-08-07
2016-08-10	2016-08-10
2016-08-12	2016-08-12
2016-08-14	2016-08-14
2016-08-15	2016-08-15
2016-08-20	2016-08-20
2016-08-21	2016-08-21
2016-08-25	2016-08-25
2016-08-28	2016-08-28
2016-09-01	2016-09-01
2016-09-03	2016-09-03
2016-09-04	2016-09-04
2016-09-05	2016-09-05
2016-09-10	2016-09-10
2016-09-13	2016-09-13
2016-09-30	2016-09-30
2016-10-02	2016-10-02
2016-10-03	2016-10-03
2016-10-05	2016-10-05
2016-10-06	2016-10-06
2016-10-08	2016-10-08
2016-10-10	2016-10-10
2016-10-11	2016-10-11
2016-10-13	2016-10-13
2016-10-15	2016-10-15
2016-10-18	2016-10-18
2016-10-20	2016-10-20
2016-10-23	2016-10-23
2016-10-25	2016-10-25
2016-10-27	2016-10-27
2016-10-28	2016-10-28
2016-10-29	2016-10-29
2016-10-30	2016-10-30
2016-11-05	2016-11-05

2016-11-10	2016-11-10
2017-08-05	2017-08-05
2017-08-06	2017-08-06
2017-08-07	2017-08-07
2017-08-10	2017-08-10
2017-08-11	2017-08-11
2017-08-12	2017-08-12
2017-08-16	2017-08-16
2017-08-19	2017-08-19
2017-08-20	2017-08-20
2017-08-21	2017-08-21
2017-08-27	2017-08-27
2017-09-01	2017-09-01
2017-09-02	2017-09-02
2017-09-03	2017-09-03
2017-09-05	2017-09-05
2017-09-06	2017-09-06
2017-09-09	2017-09-09
2017-09-10	2017-09-10
2017-10-01	2017-10-01
2017-10-02	2017-10-02
2017-10-03	2017-10-03
2017-10-05	2017-10-05
2017-10-07	2017-10-07
2017-10-08	2017-10-08
2017-10-09	2017-10-09
2017-10-10	2017-10-10
2017-10-11	2017-10-11
2017-10-13	2017-10-13
2017-10-14	2017-10-14
2017-10-15	2017-10-15
2017-10-18	2017-10-18
2017-10-20	2017-10-20
2017-10-22	2017-10-22
2017-11-04	2017-11-04
2017-11-10	2017-11-10
2017-11-11	2017-11-11
2017-11-13	2017-11-13
2018-09-01	2018-09-01

2018-09-02	2018-09-02
2018-09-03	2018-09-03
2018-09-04	2018-09-04
2018-09-05	2018-09-05
2018-09-06	2018-09-06
2018-09-07	2018-09-07
2018-09-08	2018-09-08
2018-09-10	2018-09-10
2018-09-12	2018-09-12
2018-09-15	2018-09-15
2018-09-16	2018-09-16
2018-09-17	2018-09-17
2018-09-18	2018-09-18
2018-09-20	2018-09-20
2018-09-21	2018-09-21
2018-09-22	2018-09-22
2018-09-23	2018-09-23
2018-09-25	2018-09-25
2018-09-30	2018-09-30
2018-10-05	2018-10-05
2018-10-11	2018-10-11
2018-10-14	2018-10-14
2019-08-30	2019-08-30
2019-09-01	2019-09-01
2019-09-03	2019-09-03
2019-09-05	2019-09-05
2019-09-06	2019-09-06
2019-09-10	2019-09-10

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.1 - 23 Format: Numeric

Q73A1: Q73A1. What is the amount of seeds that has been sown for growing area A?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2 - 8000 Format: Numeric

Q151: Q151. Are grown on open field or in a greenhouse for growing area A?

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	open field

Q154A: Q154. A. # of plants transplanted per for growing area A for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 4 - 14 Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2015-10-02	2015-10-02
2015-10-03	2015-10-03
2015-10-05	2015-10-05
2015-10-07	2015-10-07
2015-10-08	2015-10-08
2015-10-09	2015-10-09

2015-10-10	2015-10-10
2015-10-13	2015-10-13
2015-10-15	2015-10-15
2015-10-18	2015-10-18
2015-10-19	2015-10-19
2015-10-20	2015-10-20
2015-10-22	2015-10-22
2015-10-23	2015-10-23
2015-10-24	2015-10-24
2015-10-29	2015-10-29
2015-11-10	2015-11-10
2016-09-01	2016-09-01
2016-09-03	2016-09-03
2016-09-05	2016-09-05
2016-09-07	2016-09-07
2016-09-08	2016-09-08
2016-09-10	2016-09-10
2016-09-11	2016-09-11
2016-09-15	2016-09-15
2016-09-18	2016-09-18
2016-09-20	2016-09-20
2016-09-30	2016-09-30
2016-10-02	2016-10-02
2016-10-16	2016-10-16
2016-10-20	2016-10-20
2016-11-05	2016-11-05
2016-11-08	2016-11-08
2016-11-11	2016-11-11
2016-11-12	2016-11-12
2016-11-14	2016-11-14
2016-11-15	2016-11-15
2016-11-17	2016-11-17
2016-11-18	2016-11-18
2016-11-19	2016-11-19
2016-11-20	2016-11-20
2016-11-23	2016-11-23
2016-11-24	2016-11-24
2016-11-25	2016-11-25
2016-11-26	2016-11-26

2016-11-28	2016-11-28
2016-11-29	2016-11-29
2016-11-30	2016-11-30
2016-12-02	2016-12-02
2016-12-08	2016-12-08
2017-09-02	2017-09-02
2017-09-04	2017-09-04
2017-09-05	2017-09-05
2017-09-06	2017-09-06
2017-09-10	2017-09-10
2017-09-11	2017-09-11
2017-09-12	2017-09-12
2017-09-13	2017-09-13
2017-09-15	2017-09-15
2017-09-16	2017-09-16
2017-09-18	2017-09-18
2017-09-20	2017-09-20
2017-09-25	2017-09-25
2017-09-27	2017-09-27
2017-09-28	2017-09-28
2017-09-29	2017-09-29
2017-09-30	2017-09-30
2017-10-25	2017-10-25
2017-11-01	2017-11-01
2017-11-02	2017-11-02
2017-11-04	2017-11-04
2017-11-05	2017-11-05
2017-11-09	2017-11-09
2017-11-13	2017-11-13
2017-11-15	2017-11-15
2017-11-16	2017-11-16
2017-11-18	2017-11-18
2017-11-20	2017-11-20
2017-11-21	2017-11-21
2017-11-23	2017-11-23
2017-11-28	2017-11-28
2017-11-29	2017-11-29
2017-11-30	2017-11-30
2018-09-15	2018-09-15

2018-09-20	2018-09-20
2018-09-25	2018-09-25
2018-09-27	2018-09-27
2018-09-28	2018-09-28
2018-09-30	2018-09-30
2018-10-15	2018-10-15
2018-10-20	2018-10-20
2018-10-24	2018-10-24
2018-10-25	2018-10-25
2018-10-26	2018-10-26
2018-10-30	2018-10-30
2018-11-01	2018-11-01
2018-11-15	2018-11-15
2019-09-15	2019-09-15
2019-09-18	2019-09-18
2019-09-20	2019-09-20
2019-09-21	2019-09-21
2019-09-25	2019-09-25

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q397NEW: Q397_NEW. If you have received a crop program and/or any recommendations for growing to implement this season.

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q224: Q224. Do you apply organic fertilizers for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q226: Q226. Do you apply chemical fertilizers for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 3 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 4 Format: Numeric

Q240E_1: Q240E. We would like to better understand the pest pressure on the selected growing areas. INSECT PRESSURE**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	medium
2	no pressure
3	low
4	high

Q240E_2: Q240E. We would like to better understand the pest pressure on the selected growing areas. DISEASE PRESSURE**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	low
2	no pressure
3	medium
4	high

Q240E_3: Q240E. We would like to better understand the pest pressure on the selected growing areas. WEED PRESSURE

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	medium
2	low
3	high
4	no pressure

Q240EN: Q240.E1. Do you generally use drift-reducing nozzles on your sprayer?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes

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 - 6 Format: Numeric

Q75: Q75. What is the final stand i.e. the number of plants - per /?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 4 - 16 Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 10 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
2016-04-01	2016-04-01
2016-04-02	2016-04-02
2016-04-03	2016-04-03
2016-04-04	2016-04-04
2016-04-05	2016-04-05
2016-04-07	2016-04-07
2016-04-08	2016-04-08
2016-04-10	2016-04-10
2016-04-11	2016-04-11

2016-04-13	2016-04-13
2016-04-15	2016-04-15
2016-04-19	2016-04-19
2016-04-20	2016-04-20
2016-04-22	2016-04-22
2016-04-25	2016-04-25
2016-04-28	2016-04-28
2016-05-03	2016-05-03
2016-05-12	2016-05-12
2016-05-15	2016-05-15
2016-05-20	2016-05-20
2016-11-28	2016-11-28
2016-11-30	2016-11-30
2016-12-08	2016-12-08
2016-12-10	2016-12-10
2016-12-12	2016-12-12
2016-12-15	2016-12-15
2016-12-16	2016-12-16
2016-12-18	2016-12-18
2016-12-20	2016-12-20
2016-12-21	2016-12-21
2016-12-25	2016-12-25
2017-03-02	2017-03-02
2017-03-05	2017-03-05
2017-03-07	2017-03-07
2017-03-08	2017-03-08
2017-03-09	2017-03-09
2017-03-11	2017-03-11
2017-03-12	2017-03-12
2017-03-13	2017-03-13
2017-03-14	2017-03-14
2017-03-15	2017-03-15
2017-03-16	2017-03-16
2017-03-17	2017-03-17
2017-03-18	2017-03-18
2017-03-19	2017-03-19
2017-03-20	2017-03-20
2017-03-22	2017-03-22
2017-03-25	2017-03-25

2017-03-28	2017-03-28
2017-03-30	2017-03-30
2017-04-03	2017-04-03
2017-12-10	2017-12-10
2017-12-15	2017-12-15
2017-12-16	2017-12-16
2017-12-18	2017-12-18
2017-12-20	2017-12-20
2017-12-25	2017-12-25
2017-12-28	2017-12-28
2017-12-30	2017-12-30
2018-04-22	2018-04-22
2018-04-25	2018-04-25
2018-04-26	2018-04-26
2018-04-27	2018-04-27
2018-04-28	2018-04-28
2018-04-30	2018-04-30
2018-05-01	2018-05-01
2018-05-02	2018-05-02
2018-05-07	2018-05-07
2018-05-10	2018-05-10
2018-05-18	2018-05-18
2018-12-10	2018-12-10
2018-12-12	2018-12-12
2018-12-15	2018-12-15
2018-12-17	2018-12-17
2018-12-18	2018-12-18
2018-12-20	2018-12-20
2018-12-23	2018-12-23
2018-12-25	2018-12-25
2018-12-30	2018-12-30
2019-04-20	2019-04-20
2019-04-25	2019-04-25
2019-04-30	2019-04-30
2019-05-01	2019-05-01
2019-05-02	2019-05-02
2019-05-03	2019-05-03
2019-05-05	2019-05-05
2019-12-13	2019-12-13

2019-12-15	2019-12-15
2019-12-18	2019-12-18
2019-12-20	2019-12-20

Q243B: Q243. When was the harvest period for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2016-04-05	2016-04-05
2016-04-06	2016-04-06
2016-04-10	2016-04-10
2016-04-11	2016-04-11
2016-04-14	2016-04-14
2016-04-15	2016-04-15
2016-04-18	2016-04-18
2016-04-19	2016-04-19
2016-04-20	2016-04-20
2016-04-24	2016-04-24
2016-04-25	2016-04-25
2016-04-30	2016-04-30
2016-05-08	2016-05-08
2016-05-09	2016-05-09
2016-05-15	2016-05-15
2016-05-20	2016-05-20
2016-05-26	2016-05-26
2016-05-30	2016-05-30
2016-12-15	2016-12-15
2016-12-19	2016-12-19
2016-12-20	2016-12-20
2016-12-22	2016-12-22
2016-12-24	2016-12-24
2016-12-26	2016-12-26

2016-12-27	2016-12-27
2016-12-29	2016-12-29
2016-12-30	2016-12-30
2016-12-31	2016-12-31
2017-01-02	2017-01-02
2017-01-05	2017-01-05
2017-03-26	2017-03-26
2017-03-28	2017-03-28
2017-04-02	2017-04-02
2017-04-04	2017-04-04
2017-04-06	2017-04-06
2017-04-07	2017-04-07
2017-04-10	2017-04-10
2017-04-11	2017-04-11
2017-04-12	2017-04-12
2017-04-14	2017-04-14
2017-04-15	2017-04-15
2017-04-16	2017-04-16
2017-04-18	2017-04-18
2017-04-19	2017-04-19
2017-04-20	2017-04-20
2017-04-21	2017-04-21
2017-04-26	2017-04-26
2017-12-24	2017-12-24
2017-12-25	2017-12-25
2017-12-28	2017-12-28
2017-12-30	2017-12-30
2017-12-31	2017-12-31
2018-01-02	2018-01-02
2018-01-04	2018-01-04
2018-01-05	2018-01-05
2018-01-08	2018-01-08
2018-01-10	2018-01-10
2018-01-12	2018-01-12
2018-04-25	2018-04-25
2018-04-29	2018-04-29
2018-05-01	2018-05-01
2018-05-02	2018-05-02
2018-05-03	2018-05-03

2018-05-05	2018-05-05
2018-05-06	2018-05-06
2018-05-07	2018-05-07
2018-05-08	2018-05-08
2018-05-10	2018-05-10
2018-05-12	2018-05-12
2018-05-15	2018-05-15
2018-05-16	2018-05-16
2018-05-17	2018-05-17
2018-05-23	2018-05-23
2018-12-20	2018-12-20
2018-12-25	2018-12-25
2018-12-30	2018-12-30
2019-01-05	2019-01-05
2019-01-07	2019-01-07
2019-01-08	2019-01-08
2019-05-01	2019-05-01
2019-05-03	2019-05-03
2019-05-05	2019-05-05
2019-05-07	2019-05-07
2019-05-08	2019-05-08
2019-05-10	2019-05-10
2019-05-12	2019-05-12
2019-05-13	2019-05-13
2019-05-15	2019-05-15
2019-12-25	2019-12-25
2019-12-27	2019-12-27
2019-12-28	2019-12-28
2019-12-30	2019-12-30
2019-12-31	2019-12-31
2020-01-01	2020-01-01

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2.47096614776378 - 14 Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2.23 - 4.5 Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3 - 4.2 Format: Numeric

Q4094_1: Q4094. Who measured the yield on each of the growing areas? Myself

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned

2	mentioned
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Q4094_2: Q4094. Who measured the yield on each of the growing areas? Dealer/store

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4094_3: Q4094. Who measured the yield on each of the growing areas? Manufacturer/representative

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4094_4: Q4094. Who measured the yield on each of the growing areas? Independent advisor

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4094_5: Q4094. Who measured the yield on each of the growing areas? Cooperative

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q4094_96: Q4094. Who measured the yield on each of the growing areas? Other specify1

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4094_98: Q4094. Who measured the yield on each of the growing areas? Other specify3

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	increased
2	decreased
3	remained stable

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q4097A: Q4097. A. How satisfied are you with the price you received on the market?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q251: Q251. % of crop damaged at the time of harvest (total lost - not marketable) for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q4091: Q4091. What is the average size (diameter) of one tomato/pepper harvested on average? (cm)**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2 - 6 Format: Numeric

Q4092: Q4092. What is the number of marketable tomatoes/peppers fruits per square meter?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 60 - 150 Format: Numeric

Q246_1: Q246. % of the harvest of your target crop is used for own consumption**Data file:** Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2 - 30 Format: Numeric

Q246_2: Q246. % of the harvest of your target crop is used for feeding livestock**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q246_3: Q246. % of the harvest of your target crop is used for harvest sold**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 70 - 98 Format: Numeric

Q4002: Q4002. Did you take measures to prevent post-harvest loss for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q7013: Q7013. How do you deal with crop residue of ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	i leave the crop residue on the field
2	i burn the crop residue
3	i remove the crop residue and use it as compost
4	i remove the crop residue and leave it untreated
5	i remove the crop residue and export it off farm
6	i remove the crop residue and use a mechanical

Q377: Q377. What is the estimated revenue in / for growing area A of ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 518919.18 - 9000000 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: 11000 - 15800000 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: 100000 - 4000000 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 20000 - 700000 Format: Numeric

Q4111_2: Q4111. Actual costs FERTILIZERZ for ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 30000 - 600000 Format: Numeric

Q4111_3: Q4111. Actual costs LABOR for ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 10000 - 600000 Format: Numeric

Q4111_4: Q4111. Actual costs MACHINERY ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 80000 - 2100000 Format: Numeric

Q4111_5: Q4111. Actual costs WATER USE for ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 300000 Format: Numeric

Q4111_6: Q4111. Actual costs FUEL for ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 400000 Format: Numeric

Q4111_7: Q4111. Actual costs RENT/LOAN for ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 200000 Format: Numeric

Q4111_8: Q4111. Actual costs FUNGICIDES for ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q4111_9: Q4111. Actual costs HERBICIDES for ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q4111_10: Q4111. Actual costs INSECTICIDES ?/**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 400000 Format: Numeric

Q4111_98: Q4111. Actual costs DRYING for ?/**Data file:** Global_farm_data

Overview

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Q381_3: Q381. Percentage of PESTICIDES costs out of the total input cost for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q381_4: Q381. Percentage of LABOR costs out of the total input cost for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 55 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 - 26 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 - 20 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 - 26 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 - 0 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 - 10 Format: Numeric

Q381_10: Q381. Percentage of RENT/LOAN costs out of the total input cost for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q381_98: Q381. Percentage of OTHER costs out of the total input cost for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q4121: Q4121. In general for the whole cultivation period, rate the weather conditions for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q387_1: Q387. What was the impact for target crop? Reduced yield**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q387_2: Q387. What was the impact for target crop? Reduced yield quality**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

1	not mentioned
2	mentioned

Q387_96: Q387. What was the impact for target crop? Other. Specify 1:

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q387_OTH1: Q387.Other. Impact for growing area A on the ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	stunted growth of plant

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	somewhat higher than usual
2	the same as usual
3	somewhat lower than usual
4	a lot higher than usual
5	a lot lower than usual

Q3880B: Q3880 B. You mentioned you had lower temperatures this season than usual. Was this problematic?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q3880D: Q3880 D. You mentioned you had higher temperatures this season than usual. Was this problematic?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

1	no
2	yes

Q389: Q389. What is the MAIN water source of during this season?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 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	swamp/wetland

Q390: Q390. What is the number of days you have been irrigating ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 8 - 40 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 - 10 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: 30 - 5000 Format: Numeric

Q7016: Q7016. Please indicate what percentage of the area is irrigated for**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q7017: Q7017. Which method of irrigation did you apply for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	flooding the area

Q399C: Q399.C. How satisfied are you with the crop program and/or recommendations for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	rather satisfied
2	very satisfied
3	rather unsatisfied

DATE1: field preparation**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2018-09-03	2018-09-03
2018-09-06	2018-09-06
2018-09-15	2018-09-15
2018-09-16	2018-09-16
2018-09-17	2018-09-17
2018-09-18	2018-09-18
2018-09-20	2018-09-20
2018-09-21	2018-09-21
2018-09-22	2018-09-22
2018-09-23	2018-09-23
2018-09-25	2018-09-25
2018-09-30	2018-09-30
2018-10-05	2018-10-05
2018-10-11	2018-10-11
2018-10-14	2018-10-14
2019-08-30	2019-08-30
2019-09-01	2019-09-01
2019-09-03	2019-09-03
2019-09-05	2019-09-05
2019-09-06	2019-09-06
2019-09-10	2019-09-10

DATE2: sowing/planting

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2018-10-15	2018-10-15
2018-10-20	2018-10-20

2018-10-24	2018-10-24
2018-10-25	2018-10-25
2018-10-26	2018-10-26
2018-10-30	2018-10-30
2018-11-01	2018-11-01
2018-11-15	2018-11-15
2019-09-15	2019-09-15
2019-09-18	2019-09-18
2019-09-20	2019-09-20
2019-09-21	2019-09-21
2019-09-25	2019-09-25

DATE3A: begin harvest

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2019-04-20	2019-04-20
2019-04-25	2019-04-25
2019-04-30	2019-04-30
2019-05-01	2019-05-01
2019-05-02	2019-05-02
2019-05-03	2019-05-03
2019-05-05	2019-05-05
2019-12-13	2019-12-13
2019-12-15	2019-12-15
2019-12-18	2019-12-18
2019-12-20	2019-12-20

DATE3B: end harvest

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2019-05-01	2019-05-01
2019-05-03	2019-05-03
2019-05-05	2019-05-05
2019-05-07	2019-05-07
2019-05-08	2019-05-08
2019-05-10	2019-05-10
2019-05-12	2019-05-12
2019-05-13	2019-05-13
2019-05-15	2019-05-15
2019-12-25	2019-12-25
2019-12-27	2019-12-27
2019-12-28	2019-12-28
2019-12-30	2019-12-30
2019-12-31	2019-12-31
2020-01-01	2020-01-01

HARVESTYEAR: Data collection wave

Data file: Global_farm_data

Overview

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

Q4000_1: q4000_1. To whom do you sell your yield - I sell it on the local market

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4000_2: q4000_2. To whom do you sell your yield - I sell it to a trader

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4000_3: q4000_3. To whom do you sell your yield - I sell it to a wholesaler

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4000_4: q4000_4. To whom do you sell your yield - I sell it to a feed processing plant

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4000_5: q4000_5. To whom do you sell your yield - I sell it to a cooperative I am part of

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q4000_6: q4000_6. To whom do you sell your yield -I sell it under a contract

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q389_1: q389_1. Which water source has been used for irrigation? Private connection to pipeline

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q389_2: q389_2. Which water source has been used for irrigation? Private well

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q389_3: q389_3. Which water source has been used for irrigation? Private borehole

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q389_4: q389_4. Which water source has been used for irrigation? Public river, stream**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q389_5: q389_5. Which water source has been used for irrigation? Public lake, pond**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q389_96: q389_96. Which water source has been used for irrigation? Other specify 1:**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q389_OTH1: q389_96. Which water source has been used for irrigation? Other specify 1:**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
COMMUNITY PIPELINE	COMMUNITY PIPELINE

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
BECAUSE I DID NOT HAVE ENOUGH RESOURCES NEEDED TO FULLY FOLLOW IT	BECAUSE I DID NOT HAVE ENOUGH RESOURCES NEEDED TO FULLY FOLLOW IT
BECAUSE I GAIN KNOWLEDGE ON HOW TO FARM, WHEN TO TREAT THE CROPS, APPLY FERTILIZERS UNTIL PROPER HARVESTING; I GET MORE QUALITY HARVESTS AND ALSO LEARN THE NEW FARMING TECHNIQUES	BECAUSE I GAIN KNOWLEDGE ON HOW TO FARM, WHEN TO TREAT THE CROPS, APPLY FERTILIZERS UNTIL PROPER HARVESTING; I GET MORE QUALITY HARVESTS AND ALSO LEARN THE NEW FARMING TECHNIQUES
BECAUSE I NEED TO GET MORE AND QUALITY YIELDS	BECAUSE I NEED TO GET MORE AND QUALITY YIELDS
BECAUSE IT HAS GOOD TRAINING AND QUALITY KNOWLEDGE. IT ENABLES THE CROPS TO GROW HEALTHY WITH THE USE OF FERTILIZERS AND CROP PROTECTION PRODUCTS	BECAUSE IT HAS GOOD TRAINING AND QUALITY KNOWLEDGE. IT ENABLES THE CROPS TO GROW HEALTHY WITH THE USE OF FERTILIZERS AND CROP PROTECTION PRODUCTS
BECAUSE IT HELPS IN THE IMPROVEMENT OF YIELDS	BECAUSE IT HELPS IN THE IMPROVEMENT OF YIELDS
BECAUSE OF LACK OF FINANCE TO PURCHASE THE RECOMMENDED PESTICIDES IN TIME	BECAUSE OF LACK OF FINANCE TO PURCHASE THE RECOMMENDED PESTICIDES IN TIME
BECAUSE OF THE ECONOMIC CONDITIONS WHICH WAS NOT GOOD ESPECIALLY WITH THE PURCHASING OF INPUTS WHICH WERE EXPENSIVE HENCE I DID NOT FOLLOW IT COMPLETELY	BECAUSE OF THE ECONOMIC CONDITIONS WHICH WAS NOT GOOD ESPECIALLY WITH THE PURCHASING OF INPUTS WHICH WERE EXPENSIVE HENCE I DID NOT FOLLOW IT COMPLETELY
BECAUSE THE PROGRAM HELPS ME TAKE GOOD CARE OF MY TOMATO FARM IN ORDER TO IMPROVE ON YIELDS	BECAUSE THE PROGRAM HELPS ME TAKE GOOD CARE OF MY TOMATO FARM IN ORDER TO IMPROVE ON YIELDS

Because I still haven't been educated well on how to use it	Because I still haven't been educated well on how to use it
Because I was only taught a few things and they also took the soil sample but haven't returned until now	Because I was only taught a few things and they also took the soil sample but haven't returned until now
Because it guides on how to handle various problems in the farm and also the climatic conditions	Because it guides on how to handle various problems in the farm and also the climatic conditions
Because it has helped me understand the use of various crop protection products and various aspects of farming	Because it has helped me understand the use of various crop protection products and various aspects of farming
Because the advised dosages when followed can make the crops to dry	Because the advised dosages when followed can make the crops to dry
Because wasn't well trained on it	Because wasn't well trained on it
Climate change	Climate change
DUE TO THE COSTS OF PRODUCTION. INPUTS ARE EXPENSIVE HENCE I WAS UNABLE TO AFFORD THEM TO FULLY FOLLOW THE RECOMMENDATIONS	DUE TO THE COSTS OF PRODUCTION. INPUTS ARE EXPENSIVE HENCE I WAS UNABLE TO AFFORD THEM TO FULLY FOLLOW THE RECOMMENDATIONS
During rainy and sunny days it becomes difficult to spray the crops	During rainy and sunny days it becomes difficult to spray the crops
FOR IMPROVEMENT OF THE YIELD	FOR IMPROVEMENT OF THE YIELD
FOR ME TO GET GOOD HARVEST	FOR ME TO GET GOOD HARVEST
For better and quality yield	For better and quality yield
For better yield of the crop	For better yield of the crop
For better yields	For better yields
For higher quality yields	For higher quality yields
I COMPLETELY FOLLOWED IT TO ENABLE ME GET GOOD YIELDS	I COMPLETELY FOLLOWED IT TO ENABLE ME GET GOOD YIELDS
I DIDNT HAVE ALL THE FARM INPUTS AND EQUIPMENTS; TO IMPROVE ON THE QUANTITY AND QUALITY OF MY HARVEST	I DIDNT HAVE ALL THE FARM INPUTS AND EQUIPMENTS; TO IMPROVE ON THE QUANTITY AND QUALITY OF MY HARVEST
I FOLLOWED IT INORDER TO BENEFIT FROM ITS OUTCOME ALTHOUGH IT REQUIRES CAPITAL TO PURCHASE FARM INPUTS	I FOLLOWED IT INORDER TO BENEFIT FROM ITS OUTCOME ALTHOUGH IT REQUIRES CAPITAL TO PURCHASE FARM INPUTS
I HAD LITTLE CAPITAL TO FULLY IMPLEMENT IT; I NEEDED IMPROVEMENTS IN MY YIELD	I HAD LITTLE CAPITAL TO FULLY IMPLEMENT IT; I NEEDED IMPROVEMENTS IN MY YIELD
I HAD NO FARM EQUIPMENT AND ENOUGH TRAINING TO FOLLOW THE GUIDE	I HAD NO FARM EQUIPMENT AND ENOUGH TRAINING TO FOLLOW THE GUIDE
I MOSTLY CONCENTRATED ON THE APPLICATION OF PESTICIDES	I MOSTLY CONCENTRATED ON THE APPLICATION OF PESTICIDES
I NEEDED ASSISTANCE WITH INSECTS THAT AFFECTED MY CROPS SO MUCH LAST YEAR; FOR IMPROVEMENT OF THE YIELD	I NEEDED ASSISTANCE WITH INSECTS THAT AFFECTED MY CROPS SO MUCH LAST YEAR; FOR IMPROVEMENT OF THE YIELD
I NEEDED TO IMPROVE ON THE QUALITY AND QUANTITY OF THE YIELD ALTHOUGH I LACKED CAPITAL FOR ALL THE NECESSARY INPUTS	I NEEDED TO IMPROVE ON THE QUALITY AND QUANTITY OF THE YIELD ALTHOUGH I LACKED CAPITAL FOR ALL THE NECESSARY INPUTS
I NEEDED TO LEARN MORE ON TOMATO FARMING; LACKED RESOURCES FOR PESTICIDE PURCHASE	I NEEDED TO LEARN MORE ON TOMATO FARMING; LACKED RESOURCES FOR PESTICIDE PURCHASE
I didn't fully understand it	I didn't fully understand it
I follow it because its different from the beginning when i had no education and i've seen its benefits	I follow it because its different from the beginning when i had no education and i've seen its benefits
I followed it briefly in order to improve my knowledge on the good growth of crops	I followed it briefly in order to improve my knowledge on the good growth of crops

I followed the protocol because it improves agricultural practices and farm produce	I followed the protocol because it improves agricultural practices and farm produce
I have followed it slightly though in some areas i have used ways that am used to	I have followed it slightly though in some areas i have used ways that am used to
I learn the skills to cultivate so that i get better and more yields	I learn the skills to cultivate so that i get better and more yields
I realized it has more benefits to me. To get training on how to cultivate barley	I realized it has more benefits to me. To get training on how to cultivate barley
IN ORDER TO GET GOOD HARVEST AND OF HIGHER QUALITY	IN ORDER TO GET GOOD HARVEST AND OF HIGHER QUALITY
IN ORDER TO GET GOOD HARVEST. ALTHOUGH IT IS EXPENSIVE TO USE THE PROGRAM, IT HAS GOOD RETURNS	IN ORDER TO GET GOOD HARVEST. ALTHOUGH IT IS EXPENSIVE TO USE THE PROGRAM, IT HAS GOOD RETURNS
IN ORDER TO GET QUALITY YIELD TO BOOST ME ECONOMICALLY	IN ORDER TO GET QUALITY YIELD TO BOOST ME ECONOMICALLY
IN ORDER TO HAVE QUALITY YIELD ALTHOUGH THERE WAS NO ENOUGH FINANCE FOR FULL IMPLEMENTATION	IN ORDER TO HAVE QUALITY YIELD ALTHOUGH THERE WAS NO ENOUGH FINANCE FOR FULL IMPLEMENTATION
IN ORDER TO IMPROVE ON MY YIELD	IN ORDER TO IMPROVE ON MY YIELD
IN ORDER TO IMPROVE THE QUALITY AND ALSO INCREASE THE QUANTITY OF MY YIELDS; I ONLY FOLLOW WHAT I CAN AFFORD DEPENDING ON MY FINANCIAL STRENGTH	IN ORDER TO IMPROVE THE QUALITY AND ALSO INCREASE THE QUANTITY OF MY YIELDS; I ONLY FOLLOW WHAT I CAN AFFORD DEPENDING ON MY FINANCIAL STRENGTH
IT GAVE ME KNOWLEDGE ON THE SAFETY OF PESTICIDES, DESTRUCTIVE INSECTS AND HOW TO MANAGE MY CROPS	IT GAVE ME KNOWLEDGE ON THE SAFETY OF PESTICIDES, DESTRUCTIVE INSECTS AND HOW TO MANAGE MY CROPS
IT GIVES GUIDELINES ON HOW TO ATTAIN GOOD AND HIGH QUALITY HARVESTS	IT GIVES GUIDELINES ON HOW TO ATTAIN GOOD AND HIGH QUALITY HARVESTS
IT HAS HELPED ME THIS SEASON ON HOW TO HANDLE MY CROPS NOT AS BEFORE	IT HAS HELPED ME THIS SEASON ON HOW TO HANDLE MY CROPS NOT AS BEFORE
IT HELPS IN FARM MANAGEMENT I.E. FERTILIZER AND PESTICIDE APPLICATIONS FOR BETTER YIELDS	IT HELPS IN FARM MANAGEMENT I.E. FERTILIZER AND PESTICIDE APPLICATIONS FOR BETTER YIELDS
IT HELPS IN UNDERSTANDING VARIOUS FARMING TECHNIQUES AND PRESERVATION OF YIELD. ALL THE WAY FROM PLANTING TO HARVESTING	IT HELPS IN UNDERSTANDING VARIOUS FARMING TECHNIQUES AND PRESERVATION OF YIELD. ALL THE WAY FROM PLANTING TO HARVESTING
IT HELPS ME IN CULTIVATING PROFESSIONALLY EVEN IN DOSAGES OF PESTICIDES THUS GIVING ME GOOD YIELD	IT HELPS ME IN CULTIVATING PROFESSIONALLY EVEN IN DOSAGES OF PESTICIDES THUS GIVING ME GOOD YIELD
IT HELPS ME IN GETTING HIGH YIELDS WITH HIGH QUALITY	IT HELPS ME IN GETTING HIGH YIELDS WITH HIGH QUALITY
IT HELPS ME IN KNOWING THE ACCURATE MEASUREMENTS OF PESTICIDES AND ALSO IMPORTANT USES OF FERTILIZERS	IT HELPS ME IN KNOWING THE ACCURATE MEASUREMENTS OF PESTICIDES AND ALSO IMPORTANT USES OF FERTILIZERS
IT HELPS ME IN MANAGING MY CROPS	IT HELPS ME IN MANAGING MY CROPS
IT HELPS ME TO UNDERSTAND THE PESTICIDE AND FERTILIZER DOSAGES AND ALSO HELPS ME IN GETTING GOOD YIELDS	IT HELPS ME TO UNDERSTAND THE PESTICIDE AND FERTILIZER DOSAGES AND ALSO HELPS ME IN GETTING GOOD YIELDS
In order to get high quality harvest	In order to get high quality harvest
In order to get high quality yield	In order to get high quality yield
In order to improve my yeilds	In order to improve my yeilds
In order to improve the quality of my harvest	In order to improve the quality of my harvest
It assists in understanding the planting periods and application of pesticides depending on the season	It assists in understanding the planting periods and application of pesticides depending on the season
It benefits me in terms of good farm practices	It benefits me in terms of good farm practices

It depends on the intensity of the infection, there are times when there are no attacks from insects	It depends on the intensity of the infection, there are times when there are no attacks from insects
It gives me knowledge on the usage of crop protection products and fertilizers and how to relate them to the climatic conditions	It gives me knowledge on the usage of crop protection products and fertilizers and how to relate them to the climatic conditions
Its beneficial in my farming activities	Its beneficial in my farming activities
Its for the success of my farming. Better advice	Its for the success of my farming. Better advice
LACK OF ENOUGH RESOURCES FOR FULL IMPLEMENTATION	LACK OF ENOUGH RESOURCES FOR FULL IMPLEMENTATION
LACK OF FINANCIAL MEANS TO FULLY FOLLOW THE RECOMMENDATIONS	LACK OF FINANCIAL MEANS TO FULLY FOLLOW THE RECOMMENDATIONS
LACK OF FINANCIAL POWER FOR FULL IMPLEMENTATION	LACK OF FINANCIAL POWER FOR FULL IMPLEMENTATION
NO ENOUGH MONEY TO FOLLOW COMPLETELY; I WANTED TO BETTER MY FARM AND YIELD	NO ENOUGH MONEY TO FOLLOW COMPLETELY; I WANTED TO BETTER MY FARM AND YIELD
NO MONEY TO IMPLEMENT THE GUIDELINE	NO MONEY TO IMPLEMENT THE GUIDELINE
NO RESOURCES TO FOLLOW THE RECOMMENDATIONS WELL	NO RESOURCES TO FOLLOW THE RECOMMENDATIONS WELL
SINCE I WAS ALSO EXPANDING MY FARM, I TRIED TO FOLLOW THE PROGRAM TO ASSIST ME IN GOOD MANAGEMENT OF THE FARM	SINCE I WAS ALSO EXPANDING MY FARM, I TRIED TO FOLLOW THE PROGRAM TO ASSIST ME IN GOOD MANAGEMENT OF THE FARM
SO THAT I GET ENOUGH KNOWLEDGE ON TOMATO FARMING	SO THAT I GET ENOUGH KNOWLEDGE ON TOMATO FARMING
SO THAT I GET HIGH QUALITY YIELDS	SO THAT I GET HIGH QUALITY YIELDS
SO THAT I UNDERSTAND THE FARMING PROCESS IN TOMATO IN ORDER TO GET GOOD YIELD	SO THAT I UNDERSTAND THE FARMING PROCESS IN TOMATO IN ORDER TO GET GOOD YIELD
So as to get good quality yield	So as to get good quality yield
So that I get high quality harvests	So that I get high quality harvests
So that I get high quality yield	So that I get high quality yield
So that i get good and high quality yield	So that i get good and high quality yield
So that i get good harvest	So that i get good harvest
So that i get good quality yields	So that i get good quality yields
So that i get high quality yields	So that i get high quality yields
THE ADVICE HELPS ME IN MANAGING THE FARM	THE ADVICE HELPS ME IN MANAGING THE FARM
THE KNOWLEDGE I GET HELPS ME IN MANAGING MY FARM HENCE GETTING GOOD YIELDS	THE KNOWLEDGE I GET HELPS ME IN MANAGING MY FARM HENCE GETTING GOOD YIELDS
THE PRICE OF FARM INPUTS AND PESTICIDES ARE QUITE HIGH	THE PRICE OF FARM INPUTS AND PESTICIDES ARE QUITE HIGH
THE PROGRAM EDUCATES ME ON HOW TO GET GOOD QUALITY SEEDS, ACCURATE APPLICATION OF FERTILIZERS THUS GETTING GOOD YIELDS	THE PROGRAM EDUCATES ME ON HOW TO GET GOOD QUALITY SEEDS, ACCURATE APPLICATION OF FERTILIZERS THUS GETTING GOOD YIELDS
THE PROGRAM IS GOOD BUT THE PRICES OF INPUTS ARE HIGH	THE PROGRAM IS GOOD BUT THE PRICES OF INPUTS ARE HIGH
THE PROGRAM REQUIRES BIG CAPITAL TO FOLLOW 100% THUS I DID NOT FOLLOW IT FULLY DUE TO LACK OF ENOUGH CAPITAL	THE PROGRAM REQUIRES BIG CAPITAL TO FOLLOW 100% THUS I DID NOT FOLLOW IT FULLY DUE TO LACK OF ENOUGH CAPITAL
THERE WAS A PERIOD THAT I DID NOT HAVE ENOUGH MONEY TO PURCHASE THE REQUIRED PRODUCTS	THERE WAS A PERIOD THAT I DID NOT HAVE ENOUGH MONEY TO PURCHASE THE REQUIRED PRODUCTS
THERE WAS SHORTAGE OF MONEY TO PURCHASE FERTILIZER AND OTHER INPUTS	THERE WAS SHORTAGE OF MONEY TO PURCHASE FERTILIZER AND OTHER INPUTS

THIS DEPENDS WITH THE RESOURCES THAT ONE HAS, I LACKED ENOUGH MONEY TO FULLY FOLLOW IT	THIS DEPENDS WITH THE RESOURCES THAT ONE HAS, I LACKED ENOUGH MONEY TO FULLY FOLLOW IT
TO ASSIST ME GET MORE FARMING KNOWLEDGE AND ALSO IMPROVEMENT OF MY YIELD QUANTITY AND QUALITY	TO ASSIST ME GET MORE FARMING KNOWLEDGE AND ALSO IMPROVEMENT OF MY YIELD QUANTITY AND QUALITY
TO ASSIST ME IN MANAGING INSECTS AND DISEASES HENCE GET GOOD HARVEST	TO ASSIST ME IN MANAGING INSECTS AND DISEASES HENCE GET GOOD HARVEST
TO BE ABLE TO HARVEST HIGH QUALITY YIELD WITH INCREASED QUANTITY	TO BE ABLE TO HARVEST HIGH QUALITY YIELD WITH INCREASED QUANTITY
TO BE ABLE TO IMPROVE THE QUALITY AND THE AMOUNT OF MY YIELD	TO BE ABLE TO IMPROVE THE QUALITY AND THE AMOUNT OF MY YIELD
TO BETTER MY PRODUCE AND GET INCREASED PROFIT	TO BETTER MY PRODUCE AND GET INCREASED PROFIT
TO GET BETTER YIELDS	TO GET BETTER YIELDS
TO HAVE GOOD IMPROVEMENTS IN YIELD QUALITY AND ALSO QUANTITY	TO HAVE GOOD IMPROVEMENTS IN YIELD QUALITY AND ALSO QUANTITY
TO HELP KEEP MY FARM CLEAN, PEST AND DISEASE FREE IN ORDER TO GET GOOD YIELDS	TO HELP KEEP MY FARM CLEAN, PEST AND DISEASE FREE IN ORDER TO GET GOOD YIELDS
TO HELP ME IN OBTAINING GOOD YIELD	TO HELP ME IN OBTAINING GOOD YIELD
TO IMPROVE MY SKILLS ALTHOUGH THERE IS NO CAPITAL FOR FARM INPUTS	TO IMPROVE MY SKILLS ALTHOUGH THERE IS NO CAPITAL FOR FARM INPUTS
TO IMPROVE ON MY FARMING PRACTICES AND GET GOOD YIELD	TO IMPROVE ON MY FARMING PRACTICES AND GET GOOD YIELD
TO IMPROVE ON MY YIELD	TO IMPROVE ON MY YIELD
TO IMPROVE ON MY YIELD QUALITY AND FARMING SKILLS	TO IMPROVE ON MY YIELD QUALITY AND FARMING SKILLS
TO IMPROVE ON MY YIELD TO MAKE PROFIT	TO IMPROVE ON MY YIELD TO MAKE PROFIT
TO IMPROVE ON THE QUALITY AND QUANTITY OF MY YIELD	TO IMPROVE ON THE QUALITY AND QUANTITY OF MY YIELD
TO IMPROVE ON THE YIELD	TO IMPROVE ON THE YIELD
TO IMPROVE ON THE YIELD ALTHOUGH I HAD LITTLE CAPITAL FOR FULL IMPLEMENTATION	TO IMPROVE ON THE YIELD ALTHOUGH I HAD LITTLE CAPITAL FOR FULL IMPLEMENTATION
TO LEARN MORE ABOUT BEST FARM MANAGEMENT AND INCREASE MY YIELD	TO LEARN MORE ABOUT BEST FARM MANAGEMENT AND INCREASE MY YIELD
TO LEARN MORE TECHNIQUES OF GOOD FARMING PRACTICES	TO LEARN MORE TECHNIQUES OF GOOD FARMING PRACTICES
TO MAKE MY FARM BETTER THUS HARVEST MORE QUALITY YIELDS	TO MAKE MY FARM BETTER THUS HARVEST MORE QUALITY YIELDS
TO MANAGE MY FARM WELL AND HAVE GOOD YIELDS	TO MANAGE MY FARM WELL AND HAVE GOOD YIELDS
TO TRAIN MYSELF ON BETTER USE OF PESTICIDES	TO TRAIN MYSELF ON BETTER USE OF PESTICIDES
TO TRY AND IMPROVE ON MY YIELD BUT IT IS EXPENSIVE AND I COULD NOT FOLLOW IT FULLY	TO TRY AND IMPROVE ON MY YIELD BUT IT IS EXPENSIVE AND I COULD NOT FOLLOW IT FULLY
The protocol came after we had finished, almost when the produce was ripe.	The protocol came after we had finished, almost when the produce was ripe.
The protocol was late, may be we will use it next season	The protocol was late, may be we will use it next season
To enable me get good yield	To enable me get good yield
To enable me handle different challenges in the farm and have good harvest	To enable me handle different challenges in the farm and have good harvest
To get quality yield	To get quality yield
To have better yield during harvesting	To have better yield during harvesting

To have better yields	To have better yields
To improve on my farming practice and get good harvest	To improve on my farming practice and get good harvest
To improve on my farming practices and get higher yield	To improve on my farming practices and get higher yield
To improve on the quality and quantity of my yield	To improve on the quality and quantity of my yield
To improve on the quality of crop	To improve on the quality of crop
To improve on the yield	To improve on the yield
To improve the yields	To improve the yields

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
District agricultural officer	District agricultural officer
State agricultural officer	State agricultural officer
State agricultural extension officer	State agricultural extension officer

Q397B_OTH2: Q397B. From whom did you receive the protocol/crop program? Other 2**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
SCAPA	SCAPA

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
AMANI GROUP	AMANI GROUP
EMCO	EMCO
FREEDOM	FREEDOM
FREEDOM - JIKOMBOE	FREEDOM - JIKOMBOE
INUKA	INUKA
INUKA GROUP	INUKA GROUP
JIKOMBOE	JIKOMBOE
JITEGEMEE	JITEGEMEE
JITEGEMEE GROUP	JITEGEMEE GROUP
KWANCHA	KWANCHA
KWANCHA GROUP	KWANCHA GROUP
MAPAMBANO	MAPAMBANO
MWANGAZA	MWANGAZA
NURU	NURU
Orkeeswa	Orkeeswa
RAHA	RAHA
Rhotia farmers	Rhotia farmers
SHANIMBU	SHANIMBU
SHANIMBU GROUP	SHANIMBU GROUP
TAHA	TAHA
TUINUANE	TUINUANE
TUINUANE GROUP	TUINUANE GROUP
TUMAINI	TUMAINI
Tanzania breweries	Tanzania breweries
UAMINIFU	UAMINIFU
VIJANA GROUP	VIJANA GROUP
VUMILIA	VUMILIA
VUMILIA GROUP	VUMILIA GROUP

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
FREEDOM	FREEDOM
IKUNDA	IKUNDA
INUKA	INUKA
JITEGEMEE	JITEGEMEE
KWANCHA GROUP	KWANCHA GROUP
Kilimo hifadhi	Kilimo hifadhi
Lendrikaria	Lendrikaria

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
TIFITE	TIFITE

Q58: Q58. In general, what is the topography of your growing area?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q230_1: Bought seeds

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q230_2: Saved seeds

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q327: Q327. Please indicate the number of harvests/pickings per year for tomatoes/peppers?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 3 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 - 20 Format: Numeric

Q247_1A: Q247. BUYER 1 % of yield

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 15 - 100 Format: Numeric

Q247_2A: Q247. BUYER 2 % of yield

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Q247_3A: Q247. BUYER 3 % of yield

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Q247_4A: Q247. BUYER 4 % of yield

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Q247_5A: Q247. BUYER 5 % of yield

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 5 - 5 Format: Numeric

Q247_1B: Q247. BUYER 1 price per metric ton**Data file: Global_farm_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 450000 - 1500000 Format: Numeric

Q247_2B: Q247. BUYER 2 price per metric ton**Data file: Global_farm_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 450000 - 1600000 Format: Numeric

Q247_3B: Q247. BUYER 3 price per metric ton**Data file: Global_farm_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 450000 - 1500000 Format: Numeric

Q247_4B: Q247. BUYER 4 price per metric ton**Data file: Global_farm_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1500000 - 1500000 Format: Numeric

Q247_5B: Q247. BUYER 5 price per metric ton**Data file: Global_farm_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1420000 - 1420000 Format: Numeric

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

Valid: 0 Invalid: 0

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

GROWINGAREA: To which field/plot does the information relate to?**Data file:** 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
TanzaniaBarley1	TanzaniaBarley1
TanzaniaMaize1	TanzaniaMaize1
TanzaniaTomato1	TanzaniaTomato1

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
United Republic Of Tanzania	United Republic Of Tanzania

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
47100107	47100107
47100119	47100119
47100207	47100207
47100219	47100219
47100307	47100307
47100319	47100319
47100407	47100407
47100419	47100419
47100507	47100507

47100519	47100519
47100607	47100607
47100619	47100619
47100707	47100707
47100719	47100719
47100807	47100807
47100819	47100819
47100907	47100907
47100919	47100919
47101007	47101007
47101019	47101019
47101107	47101107
47101119	47101119
47101200	47101200
47101207	47101207
47101300	47101300
47101307	47101307
47101400	47101400
47101500	47101500
47101600	47101600
47200100	47200100
47200200	47200200
47200300	47200300
47200500	47200500
47200600	47200600
47200700	47200700
47200707	47200707
47200719	47200719
47200800	47200800
47200807	47200807
47200819	47200819
47200907	47200907
47200919	47200919
47201007	47201007
47201019	47201019
47201100	47201100
47201107	47201107
47201119	47201119
47201207	47201207

47201219	47201219
47201307	47201307
47201319	47201319
47201407	47201407
47201419	47201419
47201507	47201507
47201519	47201519
47201607	47201607
47201619	47201619
47201707	47201707
47201719	47201719
47201807	47201807
47201819	47201819
47201900	47201900
47201907	47201907
47201919	47201919
47202000	47202000
47202007	47202007
47202019	47202019
47202100	47202100
47202107	47202107
47202119	47202119
47202200	47202200
47202207	47202207
47202219	47202219
47202300	47202300
47202307	47202307
47202319	47202319
47202400	47202400
47202407	47202407
47202419	47202419
47202500	47202500
47202507	47202507
47202519	47202519
47202607	47202607
47202619	47202619
47202707	47202707
47202719	47202719
47202807	47202807

47202819	47202819
47202907	47202907
47202919	47202919
47203007	47203007
47203019	47203019

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
2	2
3	3

CROP: The crop of focus

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Barley	Barley
Corn	Corn
Tomato	Tomato

APPLICATION: Unique code of an application per field per grower

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	1
2	2
3	3
4	4
5	5
6	6

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

2015-12-16	2015-12-16
2015-12-20	2015-12-20
2015-12-24	2015-12-24
2015-12-25	2015-12-25
2015-12-26	2015-12-26
2015-12-29	2015-12-29
2015-12-30	2015-12-30
2016-01-03	2016-01-03
2016-01-08	2016-01-08
2016-01-12	2016-01-12
2016-01-14	2016-01-14
2016-01-24	2016-01-24
2016-01-30	2016-01-30
2016-08-03	2016-08-03
2016-08-10	2016-08-10
2016-08-20	2016-08-20
2016-09-14	2016-09-14
2016-09-21	2016-09-21
2016-09-24	2016-09-24
2016-09-30	2016-09-30
2016-10-01	2016-10-01
2016-10-02	2016-10-02
2016-10-07	2016-10-07
2016-10-08	2016-10-08
2016-10-10	2016-10-10
2016-10-14	2016-10-14
2016-10-15	2016-10-15
2016-10-20	2016-10-20
2016-10-21	2016-10-21
2016-10-22	2016-10-22
2016-10-25	2016-10-25
2016-10-28	2016-10-28
2016-10-30	2016-10-30
2016-11-01	2016-11-01
2016-11-07	2016-11-07
2016-11-10	2016-11-10
2016-11-12	2016-11-12
2016-11-14	2016-11-14
2016-11-15	2016-11-15

2016-11-20	2016-11-20
2016-11-21	2016-11-21
2016-11-25	2016-11-25
2016-11-30	2016-11-30
2016-12-03	2016-12-03
2016-12-06	2016-12-06
2016-12-15	2016-12-15
2016-12-16	2016-12-16
2016-12-17	2016-12-17
2016-12-19	2016-12-19
2016-12-20	2016-12-20
2016-12-24	2016-12-24
2016-12-28	2016-12-28
2016-12-29	2016-12-29
2016-12-30	2016-12-30
2017-01-01	2017-01-01
2017-01-03	2017-01-03
2017-01-06	2017-01-06
2017-01-07	2017-01-07
2017-01-08	2017-01-08
2017-01-11	2017-01-11
2017-01-12	2017-01-12
2017-01-13	2017-01-13
2017-01-15	2017-01-15
2017-01-16	2017-01-16
2017-01-20	2017-01-20
2017-01-22	2017-01-22
2017-01-24	2017-01-24
2017-01-30	2017-01-30
2017-02-01	2017-02-01
2017-02-02	2017-02-02
2017-02-03	2017-02-03
2017-02-05	2017-02-05
2017-02-07	2017-02-07
2017-02-08	2017-02-08
2017-02-12	2017-02-12
2017-02-15	2017-02-15
2017-09-30	2017-09-30
2017-10-10	2017-10-10

2017-10-15	2017-10-15
2017-10-20	2017-10-20
2017-10-25	2017-10-25
2017-10-30	2017-10-30
2017-11-01	2017-11-01
2017-11-05	2017-11-05
2017-11-10	2017-11-10
2017-11-15	2017-11-15
2017-11-20	2017-11-20
2017-11-25	2017-11-25
2017-11-30	2017-11-30
2017-12-28	2017-12-28
2018-01-01	2018-01-01
2018-01-15	2018-01-15
2018-01-17	2018-01-17
2018-01-20	2018-01-20
2018-01-22	2018-01-22
2018-01-25	2018-01-25
2018-02-02	2018-02-02
2018-02-03	2018-02-03
2018-02-06	2018-02-06
2018-02-07	2018-02-07
2018-02-09	2018-02-09
2018-02-14	2018-02-14
2018-02-15	2018-02-15
2018-02-18	2018-02-18
2018-02-20	2018-02-20
2018-02-23	2018-02-23
2018-02-28	2018-02-28
2018-03-01	2018-03-01
2018-03-03	2018-03-03
2018-03-04	2018-03-04
2018-03-05	2018-03-05
2018-03-15	2018-03-15
2018-03-23	2018-03-23
2018-09-15	2018-09-15
2018-09-30	2018-09-30
2018-10-15	2018-10-15
2018-10-20	2018-10-20

2018-10-25	2018-10-25
2018-10-28	2018-10-28
2018-10-30	2018-10-30
2018-11-01	2018-11-01
2018-11-05	2018-11-05
2018-11-10	2018-11-10
2018-11-12	2018-11-12
2018-11-15	2018-11-15
2018-11-20	2018-11-20
2018-11-30	2018-11-30
2019-01-01	2019-01-01
2019-01-10	2019-01-10
2019-01-15	2019-01-15
2019-01-20	2019-01-20
2019-01-30	2019-01-30
2019-02-01	2019-02-01
2019-02-15	2019-02-15
2019-02-20	2019-02-20
2019-03-01	2019-03-01
2019-03-02	2019-03-02
2019-03-15	2019-03-15
2019-10-10	2019-10-10
2019-10-15	2019-10-15
2019-10-20	2019-10-20
2019-10-25	2019-10-25
2019-10-28	2019-10-28
2019-10-30	2019-10-30
2019-11-01	2019-11-01
2019-11-05	2019-11-05
2019-11-10	2019-11-10
2019-11-15	2019-11-15
2019-11-20	2019-11-20
2019-11-25	2019-11-25
2019-11-28	2019-11-28
2019-11-30	2019-11-30

Q241B: Q241 b.Type of product

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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
ABAMECTIN (AVERMECTIN B)	ABAMECTIN (AVERMECTIN B)
AMETRYN	AMETRYN
AZOXYSTROBIN	AZOXYSTROBIN
BRODIFACUM	BRODIFACUM
BROMOXINIL OTTANOATO	BROMOXINIL OTTANOATO
CHLOREPYROPHOS	CHLOREPYROPHOS
CHLOROTHALONIL	CHLOROTHALONIL
CHROMAFENOZIDE	CHROMAFENOZIDE
CLOQUINTOCET-MEXYL	CLOQUINTOCET-MEXYL
COPPER-OXYCHLORIDE	COPPER-OXYCHLORIDE
CYMOXANYLE	CYMOXANYLE
CYPERMETHRIN	CYPERMETHRIN
DIFENOCONAZOLE	DIFENOCONAZOLE
DIMETHOATE	DIMETHOATE
DIMETHOMORPH	DIMETHOMORPH
Do not know	Do not know
ENDOSULFAN	ENDOSULFAN

ETHEFON	ETHEFON
FLUBENDIAMIDE	FLUBENDIAMIDE
GLYPHOSATE	GLYPHOSATE
IMIDACLOPRID	IMIDACLOPRID
INDOXACARB	INDOXACARB
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
MALATHION (MALDISON)(MERCAPTOTHION)	MALATHION (MALDISON)(MERCAPTOTHION)
MANCOZEB (VONDOZEB)	MANCOZEB (VONDOZEB)
MEFENOXAM	MEFENOXAM
METALAXIL	METALAXIL
PARAFFINIC-MINERAL-OIL	PARAFFINIC-MINERAL-OIL
PARAQUAT	PARAQUAT
PROFENOFOS	PROFENOFOS
PROPICONAZOLE	PROPICONAZOLE
QUARTZ	QUARTZ
QUINCLORAC	QUINCLORAC

C241CP1: CODED VARIABLE - amount of ai1

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2.5 - 720 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
BROMOXINIL HEPTANOATO	BROMOXINIL HEPTANOATO
CHLOREPYROPHOS	CHLOREPYROPHOS
CYPERMETHRIN	CYPERMETHRIN
IMIDACLOPRID	IMIDACLOPRID
MANCOZEB (VONDOZEB)	MANCOZEB (VONDOZEB)
METALAXIL	METALAXIL
METALAXIL-M	METALAXIL-M
PINOXADEN	PINOXADEN
PROPICONAZOLE	PROPICONAZOLE
QUARTZ	QUARTZ
S-METOLACHLORE	S-METOLACHLORE
THIPHENSULPHURONE-METHYL	THIPHENSULPHURONE-METHYL

C241CP2: CODED VARIABLE - amount of ai2**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 4 - 350 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
TRIBUNERONE-METHYL	TRIBUNERONE-METHYL

C241CP3: CODED VARIABLE - amount of ai3

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 5.15 - 5.15 Format: Numeric

C241CPT: CODED VARIABLE - total amount of ai

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2.5 - 720 Format: Numeric

Q241D: CODED VARIABLE Q241 d. Dosage ?

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 10 - 2500 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: 15 - 2000 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
- cartepillar - cutworms	- cartepillar - cutworms
aphids	aphids
aphids; ballworms	aphids; ballworms
aphids; beetles	aphids; beetles
aphids; bollworms	aphids; bollworms
aphids; bugs	aphids; bugs
aphids; cartepillars	aphids; cartepillars
aphids; catepillar	aphids; catepillar
aphids; caterpillars	aphids; caterpillars
aphids; cereal aphids; bugs	aphids; cereal aphids; bugs
aphids; cterpillar	aphids; cterpillar
aphids; cutworm	aphids; cutworm
aphids; cutworms	aphids; cutworms
aphids; orange blossom midge ; gout fly	aphids; orange blossom midge ; gout fly
aphids; thrips	aphids; thrips
aphids; webworm	aphids; webworm
aphids; whiteflies; cutworms	aphids; whiteflies; cutworms
aphids; whitefly; termites	aphids; whitefly; termites
aphids; yellow	aphids; yellow
aphids; yellow cereal fly	aphids; yellow cereal fly
aphids; yellow cereal fly; orange blossom midge ; gout fly	aphids; yellow cereal fly; orange blossom midge ; gout fly
aphids; yellow cereal fly; termites	aphids; yellow cereal fly; termites
aphids; yellow;cereal fly; orange	aphids; yellow;cereal fly; orange

aphids;caterpillars	aphids;caterpillars
armyworm; cutworm	armyworm; cutworm
armyworms	armyworms
ballworm	ballworm
ballworms; aphids	ballworms; aphids
beetles	beetles
beetles; aphids	beetles; aphids
beetles; bollworms	beetles; bollworms
beetles; bugs	beetles; bugs
beetles; cartepillar	beetles; cartepillar
beetles; leaf miners	beetles; leaf miners
big wide weeds	big wide weeds
black jack; pigweed	black jack; pigweed
blackjack; pigweed	blackjack; pigweed
blight	blight
blight; mildew	blight; mildew
blights	blights
bollworm; thrips	bollworm; thrips
bollworms	bollworms
bollworms; aphids	bollworms; aphids
bollworms; beetles	bollworms; beetles
bollworms; caterpillars	bollworms; caterpillars
bollworms; leaf miners	bollworms; leaf miners
bollworms; thrips	bollworms; thrips
bugs	bugs
bugs; leafminer	bugs; leafminer
bugs; leafminers	bugs; leafminers
butterflies	butterflies
butterflies; cutworms	butterflies; cutworms
cartepillar	cartepillar
cartepillar; cutworms	cartepillar; cutworms
cartepillars	cartepillars
caterpillar	caterpillar
caterpillar; cutworms	caterpillar; cutworms
caterpillars; bollworms	caterpillars; bollworms
caterpillar	caterpillar
caterpillar; aphids	caterpillar; aphids
caterpillar; ballworm	caterpillar; ballworm
caterpillar; cutworm	caterpillar; cutworm

caterpillar; cutworms	caterpillar; cutworms
caterpillar; weevils; whiteflies	caterpillar; weevils; whiteflies
caterpillar; whiteflies	caterpillar; whiteflies
caterpillars	caterpillars
caterpillars; bollworms	caterpillars; bollworms
caterpillars; cutworms	caterpillars; cutworms
corn earworm	corn earworm
corn earworm; cutworms	corn earworm; cutworms
corn earworms; cutworms	corn earworms; cutworms
cutworm	cutworm
cutworm; caterpillar	cutworm; caterpillar
cutworm; caterpillar	cutworm; caterpillar
cutworm; caterpillar	cutworm; caterpillar
cutworm; flea	cutworm; flea
cutworm; termites	cutworm; termites
cutworm; webworm	cutworm; webworm
cutworms	cutworms
cutworms; aphids	cutworms; aphids
cutworms; aphids; caterpillar	cutworms; aphids; caterpillar
cutworms; bollworms	cutworms; bollworms
cutworms; butterflies	cutworms; butterflies
cutworms; caterpillar	cutworms; caterpillar
cutworms; caterpillar	cutworms; caterpillar
cutworms; caterpillars	cutworms; caterpillars
cutworms; caterpillars	cutworms; caterpillars
cutworms; termites	cutworms; termites
cutworms; webworms	cutworms; webworms
downy mildew	downy mildew
downy mildew; late blight	downy mildew; late blight
early blight	early blight
early blight; powdery mildew	early blight; powdery mildew
early blight; rust	early blight; rust
flea	flea
flea; cutworm	flea; cutworm
fleas	fleas
fleas; caterpillars	fleas; caterpillars
fruit worm	fruit worm
fruit worm; white flies	fruit worm; white flies
fruitworms; white flies	fruitworms; white flies

fungi	fungi
grass; pigweed; thistle	grass; pigweed; thistle
grasshoppers; leafminers	grasshoppers; leafminers
grey leaf spot	grey leaf spot
late blight	late blight
late blight; mildew	late blight; mildew
leaf miner	leaf miner
leaf miners	leaf miners
leaf miners; beetles	leaf miners; beetles
leaf miners; bollworms	leaf miners; bollworms
leaf miners; cutworms	leaf miners; cutworms
leaf miners; white flies	leaf miners; white flies
leaf rust	leaf rust
leaf rust; spot formblotch; net formblotch	leaf rust; spot formblotch; net formblotch
leaf rusts; leaf spots	leaf rusts; leaf spots
leaf spot	leaf spot
leaf spot; blights	leaf spot; blights
leaf spot;rust	leaf spot;rust
leaf spots; fungi rust ; blotchs	leaf spots; fungi rust ; blotchs
leaf spots; rust	leaf spots; rust
leafminer	leafminer
leafminer; grasshopper	leafminer; grasshopper
leafminers	leafminers
leafminers; bollworms	leafminers; bollworms
leaves	leaves
loose grass	loose grass
loose grass; blackjack	loose grass; blackjack
mildew	mildew
mildew; blight	mildew; blight
mildew; blights	mildew; blights
pig weed; black jack	pig weed; black jack
pig weed; black jack; thorn apple	pig weed; black jack; thorn apple
pig weed; grass	pig weed; grass
pigweed	pigweed
pigweed ;wild mustards	pigweed ;wild mustards
pigweed; black jack	pigweed; black jack
pigweed; grass; black jack	pigweed; grass; black jack
pigweed; wild mustards; broad leaf weeds; kochia	pigweed; wild mustards; broad leaf weeds; kochia
pigweed; wild mustards; wild oats	pigweed; wild mustards; wild oats

pigweed;wild mustards	pigweed;wild mustards
pigweeds	pigweeds
powdery mildew	powdery mildew
red spider	red spider
red spider; grasshoper; leafminer	red spider; grasshoper; leafminer
red spider; leafminer	red spider; leafminer
rust	rust
termite	termite
termites; aphids	termites; aphids
thin leaves	thin leaves
thistle; grass	thistle; grass
thrips	thrips
thrips; bollworms	thrips; bollworms
thrips; caterpillar	thrips; caterpillar
thrips; caterpillars	thrips; caterpillars
thrips; leafminer	thrips; leafminer
thrips; white flies	thrips; white flies
webworms	webworms
webworms; caterpillars	webworms; caterpillars
webworms; cutworms	webworms; cutworms
weeds	weeds
white flies	white flies
white flies; beetles	white flies; beetles
white flies; bollworms	white flies; bollworms
white flies; leaf miners	white flies; leaf miners
white flies; leafminers	white flies; leafminers
white flies; thrips	white flies; thrips
whiteflies	whiteflies
wild mustard	wild mustard
wild oats;rye grass	wild oats;rye grass
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: 20 - 100 Format: Numeric

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

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Q241K: Q241 k. Equipment type ?

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q241N: Q241 n. What is the timing of the treatment - before crop-emergence or after crop-emergence

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	After crop-emergence (crop already emerged)
2	Before crop-emergence (soil is treated)

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

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	No
2	Yes

HARVESTYEAR: Year in which the data was collected**Data file: Location****Overview**

Valid: 0 Invalid: 0

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

COUNTRY: Country**Data file: Location****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
United Republic Of Tanzania	United Republic Of Tanzania

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
TanzaniaBarley1	TanzaniaBarley1
TanzaniaMaize1	TanzaniaMaize1
TanzaniaTomato1	TanzaniaTomato1

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 47100107 - 47203019 Format: Numeric

GROWINGAREA: Field code (A or B)**Data file: Location****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

CORNER: Multiple corners of same field can be registered (only from 2018 onwards)**Data file: Location****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	1
2	2
3	3
4	4
5	5
One gps location of each farm	One gps location of each farm
One gps location of each growingarea	One gps location of each growingarea

GPS_OPTION: gps_option**Data file: Location****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	interviewer walks around the field

■ GPS_SHAPE: Description of the field (from 2018 onwards)

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Irregular shape
2	Rectangle
3	Square
4	Triangle

■ Q22D_LAT_DEG: Latitude degrees

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

■ Q22D_LAT_MIN: Latitude minutes

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q22D_LAT_SEC: Latitude seconds

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q22D_LON_DEG: Longitude degrees

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q22D_LON_MIN: Longitude minutes

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q22D_LON_SEC: Longitude seconds

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

REMARK_AREA: Remark from the interviewer (2019 onwards)

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
ok	ok

Q151: Q151. Open field or in a greenhouse?

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Open field

Q1F: Q1. F. Would it be okay for you for this company to contact you with information on The GGP?

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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
68 MOSHI	68 MOSHI

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
Arusha Region	Arusha Region
Dodoma Region	Dodoma Region
Iringa Region	Iringa Region
Kilimanjaro Region	Kilimanjaro Region
Manyara Region	Manyara Region
Singida Region	Singida Region
Taita-Taveta County	Taita-Taveta County

HARVESTYEAR: Year in which the data was collected**Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

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

COUNTRY: Country**Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
United Republic Of Tanzania	United Republic Of Tanzania

CROP: Crop**Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Barley	Barley
Corn	Corn
Tomato	Tomato

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
TanzaniaBarley1	TanzaniaBarley1
TanzaniaMaize1	TanzaniaMaize1
TanzaniaTomato1	TanzaniaTomato1

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
47100107	47100107
47100119	47100119
47100207	47100207
47100219	47100219
47100307	47100307
47100319	47100319
47100407	47100407

47100419	47100419
47100507	47100507
47100519	47100519
47100607	47100607
47100619	47100619
47100707	47100707
47100719	47100719
47100807	47100807
47100819	47100819
47100907	47100907
47100919	47100919
47101007	47101007
47101019	47101019
47101107	47101107
47101119	47101119
47101200	47101200
47101207	47101207
47101300	47101300
47101307	47101307
47101400	47101400
47101500	47101500
47101600	47101600
47200100	47200100
47200200	47200200
47200300	47200300
47200400	47200400
47200500	47200500
47200600	47200600
47200700	47200700
47200707	47200707
47200719	47200719
47200800	47200800
47200807	47200807
47200819	47200819
47200900	47200900
47200907	47200907
47200919	47200919
47201000	47201000
47201007	47201007

47201019	47201019
47201100	47201100
47201107	47201107
47201119	47201119
47201207	47201207
47201219	47201219
47201307	47201307
47201319	47201319
47201407	47201407
47201419	47201419
47201507	47201507
47201519	47201519
47201607	47201607
47201619	47201619
47201700	47201700
47201707	47201707
47201719	47201719
47201800	47201800
47201807	47201807
47201819	47201819
47201900	47201900
47201907	47201907
47201919	47201919
47202000	47202000
47202007	47202007
47202019	47202019
47202100	47202100
47202107	47202107
47202119	47202119
47202200	47202200
47202207	47202207
47202219	47202219
47202300	47202300
47202307	47202307
47202319	47202319
47202400	47202400
47202407	47202407
47202419	47202419
47202500	47202500

47202507	47202507
47202519	47202519
47202607	47202607
47202619	47202619
47202707	47202707
47202719	47202719
47202807	47202807
47202819	47202819
47202907	47202907
47202919	47202919
47203007	47203007
47203019	47203019

GROWINGAREA: Field code (A or B)

Data file: Activities and Machinery (Q382)

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	A
2	B

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

Data file: Activities and Machinery (Q382)

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 18 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Clearing
2	Ploughing

3	Digging
4	Ridging
5	Ripping
6	Land levelling
7	Applying fertilizers
8	Mulching
9	Sowing or planting
10	Scouting for pests and diseases
11	Applying pesticides
12	Irrigating
13	Weeding
14	Harvesting
15	Post handling
16	Processing
17	Transport
18	Seed Treatment

MACHINERY: Did he use power driven equipment to complete this activity?

Data file: Activities and Machinery (Q382)

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Yes
2	No

study_resources

questionnaires

2015 GGP Questionnaire Master

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

2016 GGP Questionnaire Master

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

2017 GGP Questionnaire Master

title 2017 GGP Questionnaire Master
 language English
 filename 2017 GGP Questionnaire Master.pdf

2018 GGP Questionnaire Master

title 2018 GGP Questionnaire Master
 language English
 filename 2018 GGP Questionnaire Master.pdf

2019 GGP Questionnaire Master

title 2019 GGP Questionnaire Master
 language English
 filename 2019 GGP Questionnaire Master.pdf

reports

Enabling a set change in farm efficiency (productivity brochure)

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

The Good Growth Plan Progress Data - Productivity 2019

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