

Good Growth Plan 2018-2019

Syngenta

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Identification

SURVEY ID NUMBER

SDN_2018-2019_GGP-P_v01_M_v01_A_OCS

TITLE

Good Growth Plan 2018-2019

COUNTRY/ECONOMY

Name	Country code
Sudan	SDN

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 Sudan were selected based on the following criterion:

- (a) smallholder sorghum growers
- located in Gezira
- part of a cooperative
- med-high technology adoption
- also cultivate other crops (cotton, ground nut, vegetables, water melon)

data_collection

DATES OF DATA COLLECTION

Start	End
2018	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 reported immediately to FAO

ACCESS CONDITIONS

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- The micro dataset will only be used for statistical and/or research purposes;
- Any results derived from the micro dataset will be used solely for reporting aggregated information, and not for any specific individual entities or data subjects;
- The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be

reported immediately to FAO;

- The micro dataset cannot be re-disseminated by users or shared with anyone other than the individuals that are granted access to the micro dataset by FAO.

CITATION REQUIREMENTS

The Good Growth Plan Progress Data - Productivity 2019

Disclaimer and copyrights

DISCLAIMER

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

Metadata production

DDI DOCUMENT ID

DDI_SDN_2018-2019_GGP-P_v01_M_v01_A_OCS

PRODUCERS

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

DATE OF METADATA PRODUCTION

2023-01-03

DDI DOCUMENT VERSION

Version 01 (January 2023): This metadata was downloaded from the FAO website (<https://microdata.fao.org/index.php/catalog>) and it is identical to FAO version (SDN_2018-2019_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
Farm_level_data	0	32
Global_farm_data	0	129
Crop_protection	0	30
Location	0	17
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: Farm_level_data

Cases: 0

variables: 32

variables

ID	Name	Label	Question
V18	HarvestYear	Data collection wave	
V19	Region	Syngenta's definition of Region	
V20	Territory	Syngenta's definition of Territory	
V21	GrowingArea	To which field/plot does the information relate to?	
V22	ClusterID	Unique cluster ID	
V23	country	Country	
V24	Farmtype	Farm type	
V25	GrowerID	Unique respondent ID	
V26	Crop	The crop of focus	
V27	AreaSize	Q57. Size of growing area A for <TARG1> in <HECT>	
V28	CropSize	Q5.Total cultivated area of <TARG1> in this season in <HECT>	
V29	FarmSize	Q6. Total size of your farm/cultivated area for all crops in <HECT>	
V30	Landproductivity	Land efficiency in ton/ha	
V31	PesticideApplicationEfficiency	Number of field applications used per ton produced	
V32	NutrientEfficiency	Kgs of nitrogen used per ton produced	
V33	PhosphorusEfficiency	Kgs of phosphorus used per ton produced	
V34	PotassiumEfficiency	Kgs of potassium used per ton produced	
V35	SeedEfficiency	Kgs of seeds used per ton produced	
V36	PesticideEfficiency	Kgs of active ingredients from pesticides used in kilogram per ton produced	
V37	HerbicideEfficiency	Kgs of active ingredients from herbicides used per ton produced	
V38	FungicideEfficiency	Kgs of active ingredients from fungicides used per ton produced	
V39	InsecticideEfficiency	Kgs of active ingredients from insecticides used per ton produced	
V40	IrrigationWaterEfficiency	Litres of irrigation water used per ton produced	
V41	LaborEfficiency	Amount of labor hours per unit of crop output produced	
V42	MachineryEfficiency	Amount of machinery used in hours per unit of crop output produced	
V43	SyngentaShare	Percentage of syngenta products used compared to total number of products used	
V44	User_vs_non_user	Does the grower use Syngenta products?	
V45	protocol	have received a crop program and/or any recommendations this season?	
V46	field_preparation	Date of first field preparation	
V47	planting_date	Date of sowing or planting	
V48	harvest_begin	Date when harvest started	
V49	harvest_end	Date when harvest ended	

total: 32

Data file: Global_farm_data

Cases:	0
variables:	129

variables

ID	Name	Label	Question
V50	Territory	Syngenta definition of territory (sub-region)	
V51	country	Country	
V52	ClusterID	Unique cluster ID	
V53	GrowerID	Unique respondent ID	
V54	GrowingArea	To which field/plot does the information relate to?	
V55	Farmtype	Farmtype	
V56	q1c3	Q1.C3. Since you have participated before, we'd like to share with you your individual performance report	
V57	q1f	Q1. F. Would it be okay for you for Syngenta to contact you with follow-up information on The Good Growth Plan?	
V58	crop	Crop of focus	
V59	q56A2_1	Q56A2. Growing area changed from previous year- did not plant this area due to crop rotation	
V60	q57a	Q57A. How certain you are of the size indication for growing area A?	
V61	q4055	Q4055. TON/HEC Yield objective for area A for <CROP> at beginning of this season?	
V62	q19	Q19. Surname	
V63	q20	Q20. First name	
V64	q21	Q21. Phone number	
V65	q22	Q22. E-mail address	
V66	q27	Q27. Year of birth	
V67	q28	Q28. Gender	
V68	q31	Q31. Until what age did you go to school?	
V69	q30	Q30. Are you a full-time or part-time farmer?	
V70	q30b	Q30. B. How long have you been engaged in farming activities?	
V71	q33	Q33. Did you receive an agronomical/agricultural education?	
V72	q34	Q34. Are you a member of a producer group, association or cooperative for <CROP>?	
V73	q35c	Q35. C. Overall, how satisfied would you say you are with your life these days?	
V74	q37a	Q37.A. Do you have signs of soil erosion by water on	
V75	q37b	Q37.B. Do you have signs of soil erosion by wind on your farm?	
V76	q7001	Q7001. Have you changed your tillage practices for <TARGET CROP> in the past 20 years?	
V77	q7004	Q7004. Have you grown cover crop to manage soil health in the past 20 years for <CROP>?	
V78	q7006	Q7006 Have you stopped growing a cover crop in the past 20 years for <TARGET CROP>?	
V79	q7008	Q7008. For <Crop> was any land converted from arable land/grassland/forest in the past 20 years?	
V80	q65	Q65. Do you practice intercropping for <TARGET CROP> ?	
V81	q66_8	Q66. Which crops do you intercrop? Cotton	
V82	q66_19	Q66. Which crops do you intercrop? Tomato	
V83	q66_21	Q66. Which crops do you intercrop? Wheat	
V84	q66_23	Q66. Which crops do you intercrop? Asparagus	

ID	Name	Label	Question
V85	q66_32	Q66. Which crops do you intercrop? Cassava	
V86	q66_58	Q66. Which crops do you intercrop? Lettuce	
V87	q66_67	Q66. Which crops do you intercrop? Onion	
V88	q66_91	Q66. Which crops do you intercrop? Sorghum	
V89	q66_96	Q66. Which crops do you intercrop? Other specify 1	
V90	q60	Q60. Do you rotate crops on growing area A for <TARGET CROP>?	
V91	q61_8	Q61. What crops are you cultivating in rotation? Cotton	
V92	q61_19	Q61. What crops are you cultivating in rotation? Tomato	
V93	q61_61	Q61. What crops are you cultivating in rotation? Mango	
V94	q61_91	Q61. What crops are you cultivating in rotation? Sorghum	
V95	q67	Q67. What is the soil type of growing area A for <TARGET CROP>?	
V96	q67b	Q67B. Texture is your soil on growing area A for <TARGET CROP> this season?	
V97	q7011	Q7011. How moist would rate your soil on growing area A for <TARGET CROP> this season?	
V98	q7012	Q7012 Rate the drainage of water through the soil on area A for <TARGET CROP> this season?	
V99	q55e1	Q55E1.Partook in training/meeting on crop/agricultural practices in the past 2 years?	
V100	q5500	Q5500. During the training/meeting, at least 15 minutes talking about safe-use practices	
V101	q55E2_1	Q55E2. Who organized this training? Syngenta representative	
V102	q5501	Q5501. Have you been contacted by a Syngenta representative during the past season?	
V103	q5502_1	Q5502. Can you describe how the Syngenta representative contacted you? Demonstration day	
V104	q5502_2	Q5502. Can you describe how the Syngenta representative contacted you? They visited my farm	
V105	q5502_3	Q5502. Can you describe how the Syngenta representative contacted you? Received a brochure	
V106	q5502_4	Q5502. Can you describe how the Syngenta representative contacted you? Phone call	
V107	q5503	Q5503. How useful was contact with the Syngenta Representative	
V108	q4041a	Q4041.A. Do you feel the need to follow training on crop cultivation in the near future?	
V109	q72	Q72. When did the first field preparation start for growing area A for <TARGET CROP> ?	
V110	q73	Q73. KGs/HECT of seeds sown for growing area A for <TARGET CROP>	
V111	q74	Q74. When was the crop sown / planted for growing area A for <TARGET CROP>?	
V112	q7400	Q7400. Have you sown/planted <TARGET CROP> in the same period as last year?	
V113	q231b	Q231B. Are your seeds coated with crop protection products?	
V114	q397new	Q397_NEW. If you have received a crop program and/or any recommendations for growing to implement this season.	
V115	q224a	Q224 A. Did you perform a soil test for <TARGET CROP>?	
V116	q224	Q224. Do you apply organic fertilizers for <TARGET CROP>?	
V117	q226	Q226. Do you apply chemical fertilizers for <TARGET CROP>?	
V118	q229b1	Q229B1.Total number of applications you perform with chemical fertilizers on growing area for <TARGET CROP>?	
V119	q229b2	Q229B2.Total number of applications you perform with organic fertilizers on growing area for <TARGET CROP>?	
V120	q240e_1	Q240E. We would like to better understand the pest pressure on the selected growing areas. INSECT PRESSURE	
V121	q240e_2	Q240E. We would like to better understand the pest pressure on the selected growing areas. DISEASE PRESSURE	
V122	q240e_3	Q240E. We would like to better understand the pest pressure on the selected growing areas. WEED PRESSURE	
V123	q240en	Q240.E1. Do you generally use drift-reducing nozzles on your sprayer?	

ID	Name	Label	Question
V124	q240d	Q240D. Note down the total number of treatments you perform with crop protection products	
V125	q75	Q75. What is the final stand i.e. the number of plants - per <SQUARE METER>/<TARGET CROP>?	
V126	q76	Q76. Prior to harvest, indicate the percentage of the plot area that is lodged for <TARGET CROP>?	
V127	q243a	Q243. When was the harvest period for <TARGET CROP>?	
V128	q243b	Q243. When was the harvest period for <TARGET CROP>?	
V129	q243bb	Q243b. Have you harvested <TARGET CROP> in the same period as last year?	
V130	q244	Q244. Marketable yield that has been achieved for growing area A for <TARGET CROP> in <TON> per <HECTARES>?	
V131	q4094_1	Q4094. Who measured the yield on each of the growing areas? Myself	
V132	q4095a	Q4095. A. Compared to previous year, would you say your yield has ...?	
V133	q4096a	Q4096. A. How satisfied are you with your yield this season?	
V134	q4097a	Q4097. A. How satisfied are you with the price you received on the market?	
V135	q251	Q251. % of crop damaged at the time of harvest (total lost - not marketable) for <TARGET CROP>?	
V136	q246_1	Q246. % of the harvest of your target crop is used for own consumption	
V137	q246_2	Q246. % of the harvest of your target crop is used for feeding livestock	
V138	q246_3	Q246. % of the harvest of your target crop is used for harvest sold	
V139	q4002	Q4002. Did you take measures to prevent post-harvest loss for <TARGET CROP>?	
V140	q7013	Q7013. How do you deal with crop residue of <TARGET CROP>?	
V141	q377	Q377. What is the estimated revenue in <DOLLAR>/<HECTARES> for growing area A of <TARGET CROP>?	
V142	q379	Q379.A Can you please explain your answer for <TARGET CROP>?	
V143	q380	Q380. What is your total input cost for <TARGET CROP> from first field preparation until harvest?	
V144	q381_1	Q381. Percentage of TREES/SEED costs out of the total input cost for <TARGET CROP>?	
V145	q381_2	Q381. Percentage of FERTILIZERS costs out of the total input cost for <TARGET CROP>?	
V146	q381_3	Q381. Percentage of PESTICIDES costs out of the total input cost for <TARGET CROP>?	
V147	q381_4	Q381. Percentage of LABOR costs out of the total input cost for <TARGET CROP>?	
V148	q381_5	Q381. Percentage of MACHINERY costs of the total input cost for <TARGET CROP>?	
V149	q381_6	Q381. Percentage of WATER USE costs out of the total input cost for <TARGET CROP>?	
V150	q381_7	Q381. Percentage of FUEL costs out of the total input cost for <TARGET CROP>?	
V151	q381_8	Q381. Percentage of ELECTRICITY costs out of the total input cost for <TARGET CROP>?	
V152	q381_9	Q381. Percentage of GAS costs out of the total input cost for <TARGET CROP>?	
V153	q381_10	Q381. Percentage of RENT/LOAN costs out of the total input cost for <TARGET CROP>?	
V154	q381_98	Q381. Percentage of OTHER costs out of the total input cost for <TARGET CROP>?	
V155	q4121	Q4121. In general for the whole cultivation period, rate the weather conditions for <TARGET CROP>?	
V156	q387_1	Q387. What was the impact for target crop? Reduced yield	
V157	q388	Q388. How would you say the level of rainfall was for growing area A	
V158	q388d	Q388D. You mentioned you had more rainfall this season than usual. Was this problematic?	
V159	q3880	Q3880. How would you say the temperature was during this season ?	
V160	q389	Q389. What is the MAIN water source of <TARGET CROP> during this season?	
V161	q390	Q390. What is the number of days you have been irrigating <TARGET CROP>?	
V162	q391	Q391. What is the average amount of hours per day you have been irrigating of <TARGET CROP>?	

ID	Name	Label	Question
V163	q392	Q392. What is the amount of liters that is discharged per hour of <TARGET CROP>?	
V164	q7016	Q7016. Please indicate what percentage of the area is irrigated for <TARGET CROP>	
V165	q7017	Q7017. Which method of irrigation did you apply for <TARGET CROP>?	
V166	q399c	Q399.C. How satisfied are you with the crop program and/or recommendations for <TARGET CROP>?	
V167	date1	field preparation	
V168	date2	sowing/planting	
V169	date3a	begin harvest	
V170	date3b	end harvest	
V171	harvestyear	Data collection wave	
V172	q4000_1	q4000_1. To whom do you sell your yield - I sell it on the local market	
V173	q4000_2	q4000_2. To whom do you sell your yield - I sell it to a trader	
V174	q4000_3	q4000_3. To whom do you sell your yield - I sell it to a wholesaler	
V175	q389_4	q389_4. Which water source has been used for irrigation? Public river, stream	
V176	q389_5	q389_5. Which water source has been used for irrigation? Public lake, pond	
V177	q389_6	q389_6. Which water source has been used for irrigation? Rainwater in a tank	
V178	q399	Q399. Please explain why you follow or do not follow the crop program and/or recommendations.	

total: 129

Data file: Crop_protection

Cases: 0

variables: 30

variables

ID	Name	Label	Question
V179	harvestyear	Data collection wave	
V180	GrowingArea	To which field/plot does the information relate to?	
V181	ClusterID	Unique cluster ID	
V182	country	Country	
V183	Farmtype	FARMTYPE	
V184	GrowerID	Unique respondent ID	
V185	product	Unique code of a product within application	
V186	crop	The crop of focus	
V187	application	Unique code of an application per field per grower	
V188	q241a	Q241 a. Timing of product application	
V189	q241b	Q241 b.Type of product	
V190	q241c	Q241 c . Brand product name	
V191	q241c1	Q241 c1. Brand product formulation	
V192	c241c	CODED VARIABLE - stringcode	
V193	c241ca1	CODED VARIABLE - active ingredient1	
V194	c241cp1	CODED VARIABLE - amount of ai1	
V195	c241cu1	CODED VARIABLE - unit (% or Gr)	
V196	c241ca2	CODED VARIABLE - active ingredient2	
V197	c241cp2	CODED VARIABLE - amount of ai2	
V198	c241cpt	CODED VARIABLE - total amount of ai	
V199	q241d	CODED VARIABLE Q241 d. Dosage ?	
V200	q241e	CODED VARIABLE Q241 e. Unit of quantity	
V201	q241f	Q241 f. Amount of H2O solved in LITERS per <HECTARE>	
V202	q241g	Q241 g. Pest/disease/ weed targeted ?	
V203	q241h	Q241 h. Level of pest/ disease/ weed pressure	
V204	q241i	Q241 i. Percentage of the area treated against pests/ diseases/ weeds	
V205	q241j	Q241 j. Percentage of crop free of pests/ diseases/ weeds at harvest (in %)	
V206	q241k	Q241 k. Equipment type ?	
V207	q241n	Q241 n. What is the timing of the treatment - before crop-emergence or after crop-emergence	
V208	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 30

Data file: Location

Cases:	0
variables:	17

variables

ID	Name	Label	Question
V209	harvestyear	Year in which the data was collected	
V210	country	Country	
V211	ClusterID	Unique identifier per cluster	
V212	GrowerID	Unique identifier per grower	
V213	GrowingArea	Field code (A or B)	
V214	CORNER	Multiple corners of same field can be registered (only from 2018 onwards)	
V215	gps_option	gps_option	
V216	gps_shape	Description of the field (from 2018 onwards)	
V217	q22d_lat_deg	Latitude degrees	
V218	q22d_lat_min	Latitude minutes	
V219	q22d_lat_sec	Latitude seconds	
V220	q22d_lon_deg	Longitude degrees	
V221	q22d_lon_min	Longitude minutes	
V222	q22d_lon_sec	Longitude seconds	
V223	q151	Q151. Open field or in a greenhouse?	
V224	q1f	Q1. F. Would it be okay for you for this company to contact you with information on The GGP?	
V225	admin_level_1	administrative area 1	

total: 17

Data file: Activities and Machinery (Q382)

Cases: 0

variables: 9

variables

ID	Name	Label	Question
V226	harvestyear	Year in which the data was collected	
V227	country	Country	
V228	crop	Crop	
V229	ClusterID	Unique identifier per cluster	
V230	farmtype	Reference farms versus Benchmark farms	
V231	GrowerID	Unique identifier per grower	
V232	GrowingArea	Field code (A or B)	
V233	activity	Which activities did the grower do on his field?	
V234	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: 2018 - 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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Chemical fertilizer

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	A

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
SudanSorghum1	SudanSorghum1

COUNTRY: Country

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Sudan	Sudan

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
52102100	52102100
52102200	52102200
52102300	52102300
52102400	52102400
52102500	52102500
52102600	52102600
52102700	52102700
52102800	52102800
52102900	52102900
52103000	52103000
52200100	52200100
52200200	52200200
52200300	52200300
52200400	52200400
52200500	52200500
52200600	52200600
52200700	52200700
52200800	52200800
52200900	52200900
52201000	52201000
52201100	52201100
52201300	52201300
52201400	52201400
52201500	52201500
52202000	52202000

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

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
Sorghum	Sorghum

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
2018-03-05	2018-03-05
2018-03-10	2018-03-10
2018-03-15	2018-03-15
2018-03-17	2018-03-17
2018-05-01	2018-05-01
2018-06-15	2018-06-15
2018-06-26	2018-06-26
2018-07-01	2018-07-01
2018-07-02	2018-07-02
2018-07-10	2018-07-10
2018-07-15	2018-07-15

2018-07-20	2018-07-20
2018-08-01	2018-08-01
2018-08-10	2018-08-10
2018-08-15	2018-08-15
2019-03-15	2019-03-15
2019-06-10	2019-06-10
2019-06-11	2019-06-11
2019-06-12	2019-06-12
2019-06-13	2019-06-13
2019-06-15	2019-06-15
2019-06-16	2019-06-16
2019-07-03	2019-07-03
2019-07-04	2019-07-04
2019-07-05	2019-07-05
2019-07-07	2019-07-07
2019-07-09	2019-07-09
2019-07-10	2019-07-10
2019-07-11	2019-07-11
2019-07-12	2019-07-12
2019-07-15	2019-07-15
2019-07-20	2019-07-20

Q229CD: Q229C d. Dosage (in KG/HECT or LITER/HECT)

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 71.43 - 166.67 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
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KG/HECT	KG/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 - 2.381 Format: Numeric

Q229CG: Q229C g. Percentage N (in %)

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 18 - 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 - 0 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:** Farm_level_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2018 - 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

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
sudansorghum1	sudansorghum1

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
Sudan	Sudan

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
52102100	52102100
52102200	52102200
52102300	52102300
52102400	52102400
52102500	52102500
52102600	52102600
52102700	52102700
52102800	52102800
52102900	52102900
52103000	52103000
52200100	52200100
52200200	52200200
52200300	52200300
52200400	52200400
52200500	52200500
52200600	52200600
52200700	52200700
52200800	52200800
52200900	52200900
52201000	52201000
52201100	52201100

52201300	52201300
52201400	52201400
52201500	52201500
52202000	52202000

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
sorghum	sorghum

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: 1.25997480050399 - 7.55984880302394 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: 1.25997480050399 - 7.55984880302394 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: 2.51994960100798 - 23.8 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: 1.1905 - 4.2858 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 - 0.839983200335993 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: 12.5454545454545 - 64 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 - 20.056 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 - 0 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1.25 - 6 Format: Numeric

PESTICIDEEFFICIENCY: Kgs of active ingredients from pesticides used in kilogram per ton produced**Data file: Farm_level_data****Overview**

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.47405 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 - 0.47405 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 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 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: 2400 - 16200 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: 26.6666666666667 - 154.666666666667 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: 4 - 90.6666666666667 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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	non-user
2	exclusive user

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Did not receive any crop program
2	Received a complete crop 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
2018-03-01	2018-03-01
2018-03-15	2018-03-15
2018-04-14	2018-04-14
2018-04-15	2018-04-15
2018-05-01	2018-05-01
2018-05-19	2018-05-19
2018-05-20	2018-05-20
2018-06-01	2018-06-01
2018-06-02	2018-06-02
2018-06-20	2018-06-20
2019-03-01	2019-03-01
2019-04-01	2019-04-01
2019-04-28	2019-04-28
2019-05-01	2019-05-01
2019-06-01	2019-06-01

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
2018-06-25	2018-06-25
2018-07-01	2018-07-01
2018-07-03	2018-07-03
2018-07-05	2018-07-05
2018-07-10	2018-07-10
2018-07-15	2018-07-15
2018-07-25	2018-07-25
2018-07-28	2018-07-28
2019-06-01	2019-06-01
2019-06-15	2019-06-15
2019-06-25	2019-06-25
2019-06-28	2019-06-28
2019-07-01	2019-07-01
2019-07-05	2019-07-05
2019-07-10	2019-07-10
2019-07-14	2019-07-14
2019-07-15	2019-07-15
2019-07-19	2019-07-19
2019-07-20	2019-07-20

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
2018-09-10	2018-09-10
2018-10-01	2018-10-01
2018-10-05	2018-10-05
2018-10-10	2018-10-10

2018-11-01	2018-11-01
2018-12-01	2018-12-01
2018-12-10	2018-12-10
2018-12-11	2018-12-11
2018-12-12	2018-12-12
2018-12-15	2018-12-15
2019-10-01	2019-10-01
2019-10-11	2019-10-11
2019-10-15	2019-10-15
2019-11-01	2019-11-01
2019-11-02	2019-11-02
2019-12-01	2019-12-01

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
2018-11-01	2018-11-01
2018-11-11	2018-11-11
2018-11-16	2018-11-16
2018-11-19	2018-11-19
2018-11-20	2018-11-20
2018-11-25	2018-11-25
2018-12-01	2018-12-01
2018-12-20	2018-12-20
2018-12-23	2018-12-23
2018-12-28	2018-12-28
2018-12-29	2018-12-29
2018-12-30	2018-12-30
2019-01-02	2019-01-02
2019-11-01	2019-11-01
2019-11-13	2019-11-13

2019-11-30	2019-11-30
2019-12-01	2019-12-01
2019-12-30	2019-12-30

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
Sudan	Sudan

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
sudansorghum1	sudansorghum1

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
52102100	52102100
52102200	52102200
52102300	52102300
52102400	52102400
52102500	52102500
52102600	52102600
52102700	52102700
52102800	52102800
52102900	52102900
52103000	52103000
52200100	52200100
52200200	52200200
52200300	52200300
52200400	52200400
52200500	52200500
52200600	52200600
52200700	52200700
52200800	52200800
52200900	52200900
52201000	52201000
52201100	52201100
52201300	52201300
52201400	52201400
52201500	52201500
52202000	52202000

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
a	a

FARMTYPE: Farmland

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
bf	bf
rf	rf

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

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	very 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
sorghum	sorghum

Q56A2_1: Q56A2. Growing area changed from previous year- did not plant this area due to crop rotation

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
The size indicated is an estimate	The size indicated is an estimate
The size indicated was measured by a third party	The size indicated was measured by a third party

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: 2.381 - 7.8573 Format: Numeric

Q19: Q19. Surname

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q20: Q20. First name

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q22: Q22. E-mail address**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q27: Q27. Year of birth**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1940 - 1988 Format: Numeric

Q28: Q28. Gender**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	male

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 10 - 35 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: 2 - 50 Format: Numeric

Q33: Q33. Did you receive an agronomical/agricultural education?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q34: Q34. Are you a member of a producer group, association or cooperative for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q35C: Q35. C. Overall, how satisfied would you say you are with your life these days?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
01 not satisfied at all	01 not satisfied at all
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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no

Q65: Q65. Do you practice intercropping for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes

Q66_8: Q66. Which crops do you intercrop? 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

Q66_19: Q66. Which crops do you intercrop? Tomato**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_21: Q66. Which crops do you intercrop? Wheat**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q66_23: Q66. Which crops do you intercrop? Asparagus**Data file:** Global_farm_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_58: Q66. Which crops do you intercrop? Lettuce**Data file:** Global_farm_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_67: Q66. Which crops do you intercrop? 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

Q66_91: Q66. Which crops do you intercrop? Sorghum**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

Q66_96: Q66. Which crops do you intercrop? 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

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_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
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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_61: Q61. What crops are you cultivating in rotation? Mango

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_91: Q61. What crops are you cultivating in rotation? Sorghum

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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1	mentioned
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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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	clay 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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	medium - this includes loamy soils that are moderately
2	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
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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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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
2018-03-01	2018-03-01
2018-03-15	2018-03-15
2018-04-14	2018-04-14
2018-04-15	2018-04-15
2018-05-01	2018-05-01
2018-05-19	2018-05-19
2018-05-20	2018-05-20
2018-06-01	2018-06-01
2018-06-02	2018-06-02
2018-06-20	2018-06-20
2019-03-01	2019-03-01
2019-04-01	2019-04-01
2019-04-28	2019-04-28
2019-05-01	2019-05-01
2019-06-01	2019-06-01

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: 3.5715 - 14.286 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
2018-06-25	2018-06-25
2018-07-01	2018-07-01

2018-07-03	2018-07-03
2018-07-05	2018-07-05
2018-07-10	2018-07-10
2018-07-15	2018-07-15
2018-07-25	2018-07-25
2018-07-28	2018-07-28
2019-06-01	2019-06-01
2019-06-15	2019-06-15
2019-06-25	2019-06-25
2019-06-28	2019-06-28
2019-07-01	2019-07-01
2019-07-05	2019-07-05
2019-07-10	2019-07-10
2019-07-14	2019-07-14
2019-07-15	2019-07-15
2019-07-19	2019-07-19
2019-07-20	2019-07-20

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no

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 - 2 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

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 - 2 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 - 0 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 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no pressure
2	low
3	don't know/no answer

Q240E_2: Q240E. We would like to better understand the pest pressure on the selected growing areas. DISEASE PRESSURE

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no pressure
2	don't know/no answer

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	high
2	don't know/no answer

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1 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: 7 - 15 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: 2 - 5 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
2018-09-10	2018-09-10
2018-10-01	2018-10-01
2018-10-05	2018-10-05
2018-10-10	2018-10-10
2018-11-01	2018-11-01
2018-12-01	2018-12-01
2018-12-10	2018-12-10
2018-12-11	2018-12-11
2018-12-12	2018-12-12
2018-12-15	2018-12-15
2019-10-01	2019-10-01
2019-10-11	2019-10-11
2019-10-15	2019-10-15
2019-11-01	2019-11-01
2019-11-02	2019-11-02
2019-12-01	2019-12-01

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
2018-11-01	2018-11-01
2018-11-11	2018-11-11

2018-11-16	2018-11-16
2018-11-19	2018-11-19
2018-11-20	2018-11-20
2018-11-25	2018-11-25
2018-12-01	2018-12-01
2018-12-20	2018-12-20
2018-12-23	2018-12-23
2018-12-28	2018-12-28
2018-12-29	2018-12-29
2018-12-30	2018-12-30
2019-01-02	2019-01-02
2019-11-01	2019-11-01
2019-11-13	2019-11-13
2019-11-30	2019-11-30
2019-12-01	2019-12-01
2019-12-30	2019-12-30

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	yes

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1.1905 - 4.2858 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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	somewhat satisfied
2	very satisfied

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: 1 - 5 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: 5 - 40 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: 20 - 50 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: 20 - 70 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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no

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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	i leave the crop residue on the field
2	i remove the crop residue and export it off farm

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: 119050 - 238100 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 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	average
2	low
3	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: 35715 - 47620 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 - 15 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: 5 - 20 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 - 25 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: 20 - 40 Format: Numeric

Q381_5: Q381. Percentage of MACHINERY costs out of the total input cost for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Q381_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 - 0 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 - 10 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 - 0 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 - 0 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: 20 - 40 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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	no favorable weather conditions
2	normal weather conditions

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

Q388: Q388. How would you say the level of rainfall was for growing area A**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q3880: Q3880. How would you say the temperature was during this season ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	the same as usual

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	irrigated using irrigation equipment (e.g. rain,

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 8 - 18 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: 10 - 24 Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 250 - 300 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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	propelling water as rain
2	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	very satisfied

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
2019-03-01	2019-03-01
2019-04-01	2019-04-01
2019-04-28	2019-04-28
2019-05-01	2019-05-01
2019-06-01	2019-06-01

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
2019-06-01	2019-06-01
2019-06-15	2019-06-15
2019-06-25	2019-06-25
2019-06-28	2019-06-28
2019-07-01	2019-07-01
2019-07-05	2019-07-05
2019-07-10	2019-07-10
2019-07-14	2019-07-14
2019-07-15	2019-07-15
2019-07-19	2019-07-19
2019-07-20	2019-07-20

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
2019-10-01	2019-10-01
2019-10-11	2019-10-11
2019-10-15	2019-10-15
2019-11-01	2019-11-01
2019-11-02	2019-11-02
2019-12-01	2019-12-01

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
2019-11-01	2019-11-01
2019-11-13	2019-11-13
2019-11-30	2019-11-30
2019-12-01	2019-12-01
2019-12-30	2019-12-30

HARVESTYEAR: Data collection wave

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2018 - 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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

Q389_6: q389_6. Which water source has been used for irrigation? Rainwater in a tank

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

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
DK	DK
It made us know many things we didn't know, so we applied the protocol	It made us know many things we didn't know, so we applied the protocol
Sure i'll follow anything will increase the production	Sure i'll follow anything will increase the production
The protocol applied previous season wasn't good, so I used this protocol this year and it was perfect	The protocol applied previous season wasn't good, so I used this protocol this year and it was perfect
The protocol was very useful & the yield has increased.	The protocol was very useful & the yield has increased.
There are many who have asked to apply this protocol next season, and this is an indication that the protocol is perfect	There are many who have asked to apply this protocol next season, and this is an indication that the protocol is perfect
There is a big difference between having a specific protocol to follow and being a person dealing in his own way	There is a big difference between having a specific protocol to follow and being a person dealing in his own way
There is a clear difference in results	There is a clear difference in results
This protocol is very useful, and we are happy to follow it	This protocol is very useful, and we are happy to follow it
We always try to find what is useful to us	We always try to find what is useful to us

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 2018 - 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

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
SudanSorghum1	SudanSorghum1

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Sudan	Sudan

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
52102100	52102100
52102200	52102200
52102300	52102300
52102400	52102400
52102500	52102500
52102600	52102600
52102700	52102700
52102800	52102800
52102900	52102900

52103000	52103000
52200100	52200100
52200200	52200200
52200300	52200300
52200400	52200400
52200500	52200500
52200600	52200600
52200700	52200700
52200800	52200800
52200900	52200900
52201000	52201000
52201100	52201100
52201300	52201300
52201400	52201400
52201500	52201500
52202000	52202000

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

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
Sorghum	Sorghum

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

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
2018-04-20	2018-04-20
2018-06-05	2018-06-05
2018-07-01	2018-07-01
2018-07-03	2018-07-03
2018-07-05	2018-07-05
2018-07-15	2018-07-15
2018-07-16	2018-07-16
2018-07-17	2018-07-17
2018-08-01	2018-08-01
2019-04-01	2019-04-01
2019-05-11	2019-05-11
2019-06-01	2019-06-01
2019-07-01	2019-07-01

2019-07-02	2019-07-02
2019-07-04	2019-07-04
2019-07-05	2019-07-05
2019-10-01	2019-10-01

Q241B: Q241 b.Type of product

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Herbicide

Q241C: Q241 c . Brand product name

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q241C1: Q241 c1. Brand product formulation

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C241C: CODED VARIABLE - stringcode

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C241CA1: CODED VARIABLE - active ingredient1

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2,4 D	2,4 D
ATRAZINE	ATRAZINE
PENDIMETHALIN	PENDIMETHALIN
S-METOLACHLORE	S-METOLACHLORE

C241CP1: CODED VARIABLE - amount of ai1

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0
 Type: Continuous Decimal: 0 Width: 10 Range: 312 - 500 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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	g/l

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
TERBUTYLAZINE	TERBUTYLAZINE

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 187 - 187 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: 330 - 500 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1190.5 - 1190.5 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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	MILLILITER/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: 166.67 - 238.1 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
grass	grass
grassweed	grassweed
grasweed	grasweed
narrow & broad grass	narrow & broad grass

narrow & broad weeds	narrow & broad weeds
narrow ; broad grass	narrow ; broad grass
narrow ; broad weeds	narrow ; broad weeds

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: 40 - 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: 20 - 96 Format: Numeric

Q241K: Q241 k. Equipment type ?

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	Motorized boom sprayer
2	Hand operated sprayers (e.g. knapsack),

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	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: 2018 - 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
Sudan	Sudan

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
SudanSorghum1	SudanSorghum1

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 52102100 - 52202000 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

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

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

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

Questions and instructions

CATEGORIES

Value	Category
1	interviewer captures at least two points per field
2	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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Rectangle

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

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

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
Al Jazirah	Al Jazirah

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: 2018 - 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
Sudan	Sudan

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
Sorghum	Sorghum

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
SudanSorghum1	SudanSorghum1

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
52102100	52102100
52102200	52102200
52102300	52102300
52102400	52102400
52102500	52102500
52102600	52102600
52102700	52102700
52102800	52102800
52102900	52102900

52103000	52103000
52200100	52200100
52200200	52200200
52200300	52200300
52200400	52200400
52200500	52200500
52200600	52200600
52200700	52200700
52200800	52200800
52200900	52200900
52201000	52201000
52201100	52201100
52201300	52201300
52201400	52201400
52201500	52201500
52202000	52202000

GROWINGAREA: Field code (A or B)

Data file: Activities and Machinery (Q382)

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	A

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

Data file: Activities and Machinery (Q382)

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 9 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Clearing
2	Ploughing
3	Land levelling
4	Applying fertilizers
5	Sowing or planting
6	Applying pesticides
7	Irrigating
8	Harvesting
9	Post handling

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

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
