

Good Growth Plan 2018

Syngenta

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Identification

SURVEY ID NUMBER

TUN_2018_GGP-P_v01_M_v01_A_OCS

TITLE

Good Growth Plan 2018

COUNTRY/ECONOMY

Name	Country code
Tunisia	TUN

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).

Selection procedure

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

Screening of Tunisia BF:

(a) wheat growers

High tech level

Location: Jendouba, Beja, Mateur, Teboursouk, Siliana, Krib, Fahs

Rain fed fields

Crop rotation (Pease , chickpeas , tomato)

Ploughing with a tractor or manually (e.g. with a hoe)

Usage of chemical and/or organic fertilizers

Selling the harvest is the main after harvest activity

(b) tomato growers

Medium/high tech level

Location: Jendouba, Beja, Kairouan, Mannouba, Kasserine, Krib, Sidi Bouzid

BACKGROUND: Open field tomatoes

Drip irrigation

Seed variety obtained from nursery

Usage of chemical and/or organic fertilizers

Use of hybrid varieties

data_collection

DATES OF DATA COLLECTION

Start	End
2018	2018

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

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The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise,

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CITATION REQUIREMENTS

The Good Growth Plan Progress Data - Productivity 2019

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

Metadata production

DDI DOCUMENT ID

DDI_TUN_2018_GGP-P_v01_M_v01_A_OCS

PRODUCERS

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

DATE OF METADATA PRODUCTION

2022-11-28

DDI DOCUMENT VERSION

Version 01 (November 2022): This metadata was downloaded from the FAO website (<https://microdata.fao.org/index.php/catalog>) and it is identical to FAO version (TUN_2018_GGP-P_v01_EN_M_A_OCS). The following two metadata fields were edited - Document ID and Survey ID.

data_dictionary

Data file	Cases	variables
fertilizers	0	16
seed_treatment	0	26
Farm_level_data	0	32
Global_farm_data	0	174
Crop_protection	0	31
Location	0	10
Activities and Machinery (Q382)	0	9

Data file: fertilizers

Cases:	0
variables:	16

variables

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

total: 16

Data file: seed_treatment

Cases:	0
variables:	26

variables

ID	Name	Label	Question
V17	harvestyear	Data collection wave	
V18	GrowingArea	To which field/plot does the information relate to?	
V19	ClusterID	Unique cluster ID	
V20	country	Country	
V21	Farmtype	FARMTYPE	
V22	GrowerID	Unique respondent ID	
V23	product	Unique code of a product that was applied	
V24	crop	The crop of focus	
V25	q73	What is the amount of seeds in <KG> that has been sown per <HECT> ?	
V26	q233c_a	Q233C. a. Timing of product application	
V27	q233c_b	Q233C. b.Type of product	
V28	q233c_c	Q233C. c. Brand product name	
V29	q233c_c2	Q233C. c2. Brand product formulation	
V30	c233c_c	CODED VARIABLE - stringcode	
V31	c233ca1	CODED VARIABLE - active ingredient1	
V32	c233cp1	CODED VARIABLE - amount of ai1	
V33	c233cu1	CODED VARIABLE - unit (% or Gr)	
V34	c233ca2	CODED VARIABLE - active ingredient2	
V35	c233cp2	CODED VARIABLE - amount of ai2	
V36	c233ca3	CODED VARIABLE - active ingredient3	
V37	c233cp3	CODED VARIABLE - amount of ai3	
V38	q233c_d	Q233C. d. PRODUCT 1: Dosage	
V39	q233c_e	Q233C. e. PRODUCT 1: Unit of quantity	
V40	q233c_f	Q233C. f. PRODUCT 1: Amount of H2O solved in LITERS per <HECT>	
V41	q233c_g	Q233C. g. PRODUCT 1: Pest/disease/ weed targeted	
V42	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 26

Data file: Farm_level_data

Cases: 0

variables: 32

variables

ID	Name	Label	Question
V43	HarvestYear	Data collection wave	
V44	Region	Syngenta's definition of Region	
V45	Territory	Syngenta's definition of Territory	
V46	GrowingArea	To which field/plot does the information relate to?	
V47	ClusterID	Unique cluster ID	
V48	country	Country	
V49	Farmtype	Farm type	
V50	GrowerID	Unique respondent ID	
V51	Crop	The crop of focus	
V52	AreaSize	Q57. Size of growing area A for <TARG1> in <HECT>	
V53	CropSize	Q5.Total cultivated area of <TARG1> in this season in <HECT>	
V54	FarmSize	Q6. Total size of your farm/cultivated area for all crops in <HECT>	
V55	Landproductivity	Land efficiency in ton/ha	
V56	PesticideApplicationEfficiency	Number of field applications used per ton produced	
V57	NutrientEfficiency	Kgs of nitrogen used per ton produced	
V58	PhosphorusEfficiency	Kgs of phosphorus used per ton produced	
V59	PotassiumEfficiency	Kgs of potassium used per ton produced	
V60	SeedEfficiency	Kgs of seeds used per ton produced	
V61	PesticideEfficiency	Kgs of active ingredients from pesticides used in kilogram per ton produced	
V62	HerbicideEfficiency	Kgs of active ingredients from herbicides used per ton produced	
V63	FungicideEfficiency	Kgs of active ingredients from fungicides used per ton produced	
V64	InsecticideEfficiency	Kgs of active ingredients from insecticides used per ton produced	
V65	IrrigationWaterEfficiency	Litres of irrigation water used per ton produced	
V66	LaborEfficiency	Amount of labor hours per unit of crop output produced	
V67	MachineryEfficiency	Amount of machinery used in hours per unit of crop output produced	
V68	SyngentaShare	Percentage of syngenta products used compared to total number of products used	
V69	User_vs_non_user	Does the grower use Syngenta products?	
V70	protocol	have received a crop program and/or any recommendations this season?	
V71	field_preparation	Date of first field preparation	
V72	planting_date	Date of sowing or planting	
V73	harvest_begin	Date when harvest started	
V74	harvest_end	Date when harvest ended	

total: 32

Data file: Global_farm_data

Cases:	0
variables:	174

variables

ID	Name	Label	Question
V75	Territory	Syngenta definition of territory (sub-region)	
V76	country	Country	
V77	ClusterID	Unique cluster ID	
V78	GrowerID	Unique respondent ID	
V79	GrowingArea	To which field/plot does the information relate to?	
V80	Farmtype	Farmtype	
V81	q1f	Q1. F. Would it be okay for you for Syngenta to contact you with follow-up information on The Good Growth Plan?	
V82	crop	Crop of focus	
V83	q57a	Q57A. How certain you are of the size indication for growing area A?	
V84	q4055	Q4055. TON/HEC Yield objective for area A for <CROP> at beginning of this season?	
V85	q19	Q19. Surname	
V86	q20	Q20. First name	
V87	q21	Q21. Phone number	
V88	q22	Q22. E-mail address	
V89	q27	Q27. Year of birth	
V90	q28	Q28. Gender	
V91	q31	Q31. Until what age did you go to school?	
V92	q30	Q30. Are you a full-time or part-time farmer?	
V93	q30b	Q30. B. How long have you been engaged in farming activities?	
V94	q33	Q33. Did you receive an agronomical/agricultural education?	
V95	q34	Q34. Are you a member of a producer group, association or cooperative for <CROP>?	
V96	q35c	Q35. C. Overall, how satisfied would you say you are with your life these days?	
V97	q37a	Q37.A. Do you have signs of soil erosion by water on	
V98	q37b	Q37.B. Do you have signs of soil erosion by wind on your farm?	
V99	q7001	Q7001. Have you changed your tillage practices for <TARGET CROP> in the past 20 years?	
V100	q7002	Q7002. How did you change your tillage practices for <TARGET CROP>?	
V101	q7003	Q7003. How many years ago did you change your tillage practices for <TARGET CROP>?	
V102	q7004	Q7004. Have you grown cover crop to manage soil health in the past 20 years for <CROP>?	
V103	q7005	Q7005. How many years ago did you start growing a cover crop for <TARGET CROP> ?	
V104	q7006	Q7006 Have you stopped growing a cover crop in the past 20 years for <TARGET CROP>?	
V105	q7007	Q7007. How many years ago did you stop growing a cover crop for <TARGET CROP>?	
V106	q7008	Q7008. For <Crop> was any land converted from arable land/grassland/forest in the past 20 years?	
V107	q7009	Q7009. How did the use of your land change for <TARGET CROP>?	
V108	q7010	Q7010. How many years ago did the function of your land change for <TARGET CROP>?	
V109	q65	Q65. Do you practice intercropping for <TARGET CROP> ?	
V110	q66_1	Q66. Which crops do you intercrop? Apples	
V111	q66_3	Q66. Which crops do you intercrop? Barley	

ID	Name	Label	Question
V112	q66_4	Q66. Which crops do you intercrop? Cauliflower	
V113	q66_7	Q66. Which crops do you intercrop? Corn	
V114	q66_10	Q66. Which crops do you intercrop? Oilseed rape	
V115	q66_12	Q66. Which crops do you intercrop? Pepper	
V116	q66_13	Q66. Which crops do you intercrop? Potato	
V117	q66_15	Q66. Which crops do you intercrop? Soybean	
V118	q66_18	Q66. Which crops do you intercrop? Sunflower	
V119	q66_19	Q66. Which crops do you intercrop? Tomato	
V120	q66_20	Q66. Which crops do you intercrop? Watermelon	
V121	q66_21	Q66. Which crops do you intercrop? Wheat	
V122	q66_28	Q66. Which crops do you intercrop? Broccoli	
V123	q66_45	Q66. Which crops do you intercrop? Fennel	
V124	q66_80	Q66. Which crops do you intercrop? Pulses (lentils, beans, peas)	
V125	q66_96	Q66. Which crops do you intercrop? Other specify 1	
V126	q60	Q60. Do you rotate crops on growing area A for <TARGET CROP>?	
V127	q61_1	Q61. What crops are you cultivating in rotation? Apples	
V128	q61_3	Q61. What crops are you cultivating in rotation? Barley	
V129	q61_10	Q61. What crops are you cultivating in rotation? Oilseed rape	
V130	q61_13	Q61. What crops are you cultivating in rotation? Potato	
V131	q61_15	Q61. What crops are you cultivating in rotation? Soybean	
V132	q61_18	Q61. What crops are you cultivating in rotation? Sunflower	
V133	q61_19	Q61. What crops are you cultivating in rotation? Tomato	
V134	q61_20	Q61. What crops are you cultivating in rotation? Watermelon	
V135	q61_21	Q61. What crops are you cultivating in rotation? Wheat	
V136	q61_96	Q61. What crops are you cultivating in rotation? Other. Specify 1	
V137	q61_97	Q61. What crops are you cultivating in rotation? Other. Specify 2	
V138	q67	Q67. What is the soil type of growing area A for <TARGET CROP>?	
V139	q67b	Q67B. Texture is your soil on growing area A for <TARGET CROP> this season?	
V140	q7011	Q7011. How moist would rate your soil on growing area A for <TARGET CROP> this season?	
V141	q7012	Q7012 Rate the drainage of water through the soil on area A for <TARGET CROP> this season?	
V142	q55e1	Q55E1.Partook in training/meeting on crop/agricultural practices in the past 2 years?	
V143	q5500	Q5500. During the training/meeting, at least 15 minutes talking about safe-use practices	
V144	q55E2_1	Q55E2. Who organized this training? Syngenta representative	
V145	q55E2_3	Q55E2. Who organized this training? Extension officer	
V146	q55E2_4	Q55E2. Who organized this training? Cooperative	
V147	q55E2_5	Q55E2. Who organized this training? Agronomist/advisor	
V148	q55E2_6	Q55E2. Who organized this training? Supplier	
V149	q55E2_7	Q55E2. Who organized this training? Governmental organization (e.g. Ministry)	
V150	q55E2_96	Q55E2. Who organized this training? Other specify 1:	
V151	q5501	Q5501. Have you been contacted by a Syngenta representative during the past season?	
V152	q5502_1	Q5502. Can you describe how the Syngenta representative contacted you? Demonstration day	
V153	q5502_2	Q5502. Can you describe how the Syngenta representative contacted you? They visited my farm	
V154	q5502_3	Q5502. Can you describe how the Syngenta representative contacted you? Received a brochure	

ID	Name	Label	Question
V155	q5502_4	Q5502. Can you describe how the Syngenta representative contacted you? Phone call	
V156	q5502_5	Q5502. Can you describe how the Syngenta representative contacted you? E-mail communication	
V157	q5502_99	Q5502. Can you describe how the Syngenta representative contacted you? Don't know / no answer	
V158	q5503	Q5503. How useful was contact with the Syngenta Representative	
V159	q4041a	Q4041.A. Do you feel the need to follow training on crop cultivation in the near future?	
V160	q72	Q72. When did the first field preparation start for growing area A for <TARGET CROP> ?	
V161	q73	Q73. KGs/HECT of seeds sown for growing area A for <TARGET CROP>	
V162	q151	Q151. Are <TARGET CROP> grown on open field or in a greenhouse for growing area A?	
V163	q154a	Q154. A. # of plants transplanted per <MC2> for growing area A for <TARGET CROP>?	
V164	q74	Q74. When was the crop sown / planted for growing area A for <TARGET CROP>?	
V165	q7400	Q7400. Have you sown/planted <TARGET CROP> in the same period as last year?	
V166	q231b	Q231B. Are your seeds coated with crop protection products?	
V167	q233	Q233. Do you use on-farm or pre-treated seed treatment to treat the seeds for growing area A for <TARGET CROP>?	
V168	q397new	Q397_NEW. If you have received a crop program and/or any recommendations for growing to implement this season.	
V169	q224a	Q224 A. Did you perform a soil test for <TARGET CROP>?	
V170	q224	Q224. Do you apply organic fertilizers for <TARGET CROP>?	
V171	q226	Q226. Do you apply chemical fertilizers for <TARGET CROP>?	
V172	q229b1	Q229B1.Total number of applications you perform with chemical fertilizers on growing area for <TARGET CROP>?	
V173	q229b2	Q229B2.Total number of applications you perform with organic fertilizers on growing area for <TARGET CROP>?	
V174	q240e_1	Q240E. We would like to better understand the pest pressure on the selected growing areas. INSECT PRESSURE	
V175	q240e_2	Q240E. We would like to better understand the pest pressure on the selected growing areas. DISEASE PRESSURE	
V176	q240e_3	Q240E. We would like to better understand the pest pressure on the selected growing areas. WEED PRESSURE	
V177	q240en	Q240.E1. Do you generally use drift-reducing nozzles on your sprayer?	
V178	q240d	Q240D. Note down the total number of treatments you perform with crop protection products	
V179	q75	Q75. What is the final stand i.e. the number of plants - per <SQUARE METER>/<TARGET CROP>?	
V180	q76	Q76. Prior to harvest, indicate the percentage of the plot area that is lodged for <TARGET CROP>?	
V181	q243a	Q243. When was the harvest period for <TARGET CROP>?	
V182	q243b	Q243. When was the harvest period for <TARGET CROP>?	
V183	q244	Q244. Marketable yield that has been achieved for growing area A for <TARGET CROP> in <TON> per <HECTARES>?	
V184	q4094_1	Q4094. Who measured the yield on each of the growing areas? Myself	
V185	q4094_2	Q4094. Who measured the yield on each of the growing areas? Dealer/store	
V186	q4094_5	Q4094. Who measured the yield on each of the growing areas? Cooperative	
V187	q4094_96	Q4094. Who measured the yield on each of the growing areas? Other specify1	
V188	q4094_99	Q4094. Who measured the yield on each of the growing areas? Don't know / no answer	
V189	q4095a	Q4095. A. Compared to previous year, would you say your yield has ...?	
V190	q4096a	Q4096. A. How satisfied are you with your yield this season?	
V191	q4097a	Q4097. A. How satisfied are you with the price you received on the market?	

ID	Name	Label	Question
V192	q251	Q251. % of crop damaged at the time of harvest (total lost - not marketable) for <TARGET CROP>?	
V193	q4091	Q4091. What is the average size (diameter) of one tomato/pepper harvested on average? (cm)	
V194	q4092	Q4092. What is the number of marketable tomatoes/peppers fruits per square meter?	
V195	q266b	Q266 B. Please indicate the protein content level of your yield for <TARGET CROP>.	
V196	q246_1	Q246. % of the harvest of your target crop is used for own consumption	
V197	q246_2	Q246. % of the harvest of your target crop is used for feeding livestock	
V198	q246_3	Q246. % of the harvest of your target crop is used for harvest sold	
V199	q4002	Q4002. Did you take measures to prevent post-harvest loss for <TARGET CROP>?	
V200	q7013	Q7013. How do you deal with crop residue of <TARGET CROP>?	
V201	q377	Q377. What is the estimated revenue in <DOLLAR>/<HECTARES> for growing area A of <TARGET CROP>?	
V202	q379	Q379.A Can you please explain your answer for <TARGET CROP>?	
V203	q380	Q380. What is your total input cost for <TARGET CROP> from first field preparation until harvest?	
V204	q4111_1	Q4111. Actual costs SEEDS for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V205	q4111_2	Q4111. Actual costs FERTILIZERZ for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V206	q4111_3	Q4111. Actual costs LABOR for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V207	q4111_4	Q4111. Actual costs MACHINERY <TARGET CROP>?<DOLLAR>/<HECTARES>	
V208	q4111_5	Q4111. Actual costs WATER USE for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V209	q4111_6	Q4111. Actual costs FUEL for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V210	q4111_7	Q4111. Actual costs RENT/LOAN for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V211	q4111_8	Q4111. Actual costs FUNGICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V212	q4111_9	Q4111. Actual costs HERBICIDES for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V213	q4111_10	Q4111. Actual costs INSECTICIDES <TARGET CROP>?<DOLLAR>/<HECTARES>	
V214	q4111_98	Q4111. Actual costs DRYING for <TARGET CROP>?<DOLLAR>/<HECTARES>	
V215	q381_1	Q381. Percentage of TREES/SEED costs out of the total input cost for <TARGET CROP>?	
V216	q381_2	Q381. Percentage of FERTILIZERS costs out of the total input cost for <TARGET CROP>?	
V217	q381_3	Q381. Percentage of PESTICIDES costs out of the total input cost for <TARGET CROP>?	
V218	q381_4	Q381. Percentage of LABOR costs out of the total input cost for <TARGET CROP>?	
V219	q381_5	Q381. Percentage of MACHINERY costs of the total input cost for <TARGET CROP>?	
V220	q381_7	Q381. Percentage of FUEL costs out of the total input cost for <TARGET CROP>?	
V221	q4121	Q4121. In general for the whole cultivation period, rate the weather conditions for <TARGET CROP>?	
V222	q387_1	Q387. What was the impact for target crop? Reduced yield	
V223	q387_99	Q387. What was the impact for target crop? Don't know / no answer	
V224	q388	Q388. How would you say the level of rainfall was for growing area A	
V225	q388b	Q388. B. You mentioned you had less rainfall this season than usual. Was this problematic?	
V226	q388d	Q388D. You mentioned you had more rainfall this season than usual. Was this problematic?	
V227	q3880	Q3880. How would you say the temperature was during this season ?	
V228	q3880b	Q3880 B. You mentioned you had lower temperatures this season than usual. Was this problematic?	
V229	q3880d	Q3880 D. You mentioned you had higher temperatures this season than usual. Was this problematic?	
V230	q389	Q389. What is the MAIN water source of <TARGET CROP> during this season?	
V231	q390	Q390. What is the number of days you have been irrigating <TARGET CROP>?	

ID	Name	Label	Question
V232	q391	Q391. What is the average amount of hours per day you have been irrigating of <TARGET CROP>?	
V233	q392	Q392. What is the amount of liters that is discharged per hour of <TARGET CROP>?	
V234	q7016	Q7016. Please indicate what percentage of the area is irrigated for <TARGET CROP>	
V235	q7017	Q7017. Which method of irrigation did you apply for <TARGET CROP>?	
V236	q399c	Q399.C. How satisfied are you with the crop program and/or recommendations for <TARGET CROP>?	
V237	harvestyear	Data collection wave	
V238	q4000_1	q4000_1. To whom do you sell your yield - I sell it on the local market	
V239	q4000_2	q4000_2. To whom do you sell your yield - I sell it to a trader	
V240	q4000_3	q4000_3. To whom do you sell your yield - I sell it to a wholesaler	
V241	q4000_4	q4000_4. To whom do you sell your yield - I sell it to a feed processing plant	
V242	q4000_5	q4000_5. To whom do you sell your yield - I sell it to a cooperative I am part of	
V243	q4000_6	q4000_6. To whom do you sell your yield -I sell it under a contract	
V244	q4000_7	q4000_7. To whom do you sell your yield -Government owned rural collection center	
V245	q4000_99	q4000_99. To whom do you sell your yield -Don't know / no answer	
V246	q389_2	q389_2. Which water source has been used for irrigation? Private well	
V247	q389_3	q389_3. Which water source has been used for irrigation? Private borehole	
V248	q399	Q399. Please explain why you follow or do not follow the crop program and/or recommendations.	

total: 174

Data file: Crop_protection

Cases:	0
variables:	31

variables

ID	Name	Label	Question
V249	harvestyear	Data collection wave	
V250	GrowingArea	To which field/plot does the information relate to?	
V251	ClusterID	Unique cluster ID	
V252	country	Country	
V253	Farmtype	FARMTYPE	
V254	GrowerID	Unique respondent ID	
V255	product	Unique code of a product within application	
V256	crop	The crop of focus	
V257	application	Unique code of an application per field per grower	
V258	q241a	Q241 a. Timing of product application	
V259	q241b	Q241 b.Type of product	
V260	q241c	Q241 c . Brand product name	
V261	q241c1	Q241 c1. Brand product formulation	
V262	c241c	CODED VARIABLE - stringcode	
V263	c241ca1	CODED VARIABLE - active ingredient1	
V264	c241cp1	CODED VARIABLE - amount of ai1	
V265	c241cu1	CODED VARIABLE - unit (% or Gr)	
V266	c241ca2	CODED VARIABLE - active ingredient2	
V267	c241cp2	CODED VARIABLE - amount of ai2	
V268	c241ca3	CODED VARIABLE - active ingredient3	
V269	c241cp3	CODED VARIABLE - amount of ai3	
V270	c241cpt	CODED VARIABLE - total amount of ai	
V271	q241d	CODED VARIABLE Q241 d. Dosage ?	
V272	q241e	CODED VARIABLE Q241 e. Unit of quantity	
V273	q241g	Q241 g. Pest/disease/ weed targeted ?	
V274	q241h	Q241 h. Level of pest/ disease/ weed pressure	
V275	q241i	Q241 i. Percentage of the area treated against pests/ diseases/ weeds	
V276	q241j	Q241 j. Percentage of crop free of pests/ diseases/ weeds at harvest (in %)	
V277	q241k	Q241 k. Equipment type ?	
V278	q241n	Q241 n. What is the timing of the treatment - before crop-emergence or after crop-emergence	
V279	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 31

Data file: Location

Cases:	0
variables:	10

variables

ID	Name	Label	Question
V280	harvestyear	Year in which the data was collected	
V281	country	Country	
V282	ClusterID	Unique identifier per cluster	
V283	GrowerID	Unique identifier per grower	
V284	GrowingArea	Field code (A or B)	
V285	CORNER	Multiple corners of same field can be registered (only from 2018 onwards)	
V286	q151	Q151. Open field or in a greenhouse?	
V287	q1f	Q1. F. Would it be okay for you for this company to contact you with information on The GGP?	
V288	q25	Q25. Farm address - postal code	
V289	admin_level_1	administrative area 1	

total: 10

Data file: Activities and Machinery (Q382)

Cases: 0

variables: 9

variables

ID	Name	Label	Question
V290	harvestyear	Year in which the data was collected	
V291	country	Country	
V292	crop	Crop	
V293	ClusterID	Unique identifier per cluster	
V294	farmtype	Reference farms versus Benchmark farms	
V295	GrowerID	Unique identifier per grower	
V296	GrowingArea	Field code (A or B)	
V297	activity	Which activities did the grower do on his field?	
V298	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 - 2018 Format: Numeric

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Chemical fertilizer
2	Organic fertilizer

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	A
2	B

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
TunisiaTomato1	TunisiaTomato1
TunisiaWheat1	TunisiaWheat1

COUNTRY: Country

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Tunisia	Tunisia

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
531001100	531001100
53100121	53100121
53100221	53100221
531003000	531003000
531003100	531003100
531003200	531003200
531003300	531003300
531003500	531003500
531003600	531003600
53100421	53100421
53100521	53100521
53100621	53100621
53100721	53100721
53100821	53100821
53100921	53100921
532000100	532000100
53200121	53200121
532001700	532001700
532001800	532001800
532001900	532001900
532002000	532002000
532002100	532002100
532002200	532002200
532002300	532002300
532002400	532002400
532002500	532002500
532002600	532002600
53200321	53200321
53200421	53200421
53200621	53200621
53200721	53200721
53200821	53200821
53201021	53201021
53201521	53201521

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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
Tomato	Tomato
Wheat	Wheat

Q229CA: Q229C a. Timing of (fertilizer) application AREA A**Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2017-09-01	2017-09-01
2017-11-01	2017-11-01
2017-12-01	2017-12-01
2017-12-20	2017-12-20
2018-01-01	2018-01-01
2018-01-15	2018-01-15
2018-02-01	2018-02-01
2018-02-28	2018-02-28
2018-03-01	2018-03-01
2018-03-02	2018-03-02
2018-03-05	2018-03-05
2018-03-15	2018-03-15
2018-03-16	2018-03-16
2018-04-01	2018-04-01
2018-04-04	2018-04-04
2018-04-15	2018-04-15
2018-04-30	2018-04-30
2018-05-01	2018-05-01
2018-05-15	2018-05-15
2018-09-01	2018-09-01
2018-09-12	2018-09-12
2018-09-15	2018-09-15
2018-09-30	2018-09-30
2018-10-01	2018-10-01
2018-11-15	2018-11-15
2018-12-15	2018-12-15

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

Data file: fertilizers

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 200 Format: Numeric

Q229CE: Q229C e. Unit of quantity**Data file: fertilizers****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
KG/HECT	KG/HECT

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 (P205) (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 (K20) (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
Airblast sprayer	Airblast sprayer
Granular applicator	Granular applicator
Hand operated sprayers (e.g. knapsack),	Hand operated sprayers (e.g. knapsack),
Motorized boom sprayer	Motorized boom sprayer
Other	Other

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
TunisiaTomato1	TunisiaTomato1
TunisiaWheat1	TunisiaWheat1

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Tunisia	Tunisia

FARMTYPE: FARMTYPE

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
BF	BF
RF	RF

GROWERID: Unique respondent ID

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
531001100	531001100
53100121	53100121
53100221	53100221
531003000	531003000
531003100	531003100
531003200	531003200
531003300	531003300
531003500	531003500
531003600	531003600

53100421	53100421
53100521	53100521
53100621	53100621
53100821	53100821
53100921	53100921
532000100	532000100
532001700	532001700
532001800	532001800
532002000	532002000
532002100	532002100
532002200	532002200
532002300	532002300
532002400	532002400
532002500	532002500
532002600	532002600
53200421	53200421
53200521	53200521
53200621	53200621
53200821	53200821
53200921	53200921
53201021	53201021
53201221	53201221
53201321	53201321
53201421	53201421
53201521	53201521

PRODUCT: Unique code of a product that was applied

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	1
2	2

3	3
4	4
5	5

CROP: The crop of focus

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Tomato	Tomato
Wheat	Wheat

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

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 140 - 6000 Format: Numeric

Q233C_A: Q233C. a. Timing of product application

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2018-02-01	2018-02-01
2018-03-01	2018-03-01
2018-03-15	2018-03-15
2018-04-01	2018-04-01

2018-04-05	2018-04-05
2018-04-15	2018-04-15
2018-04-30	2018-04-30
2018-05-01	2018-05-01
2018-05-15	2018-05-15

Q233C_B: Q233C. b.Type of product

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Fungicide
2	Insecticide
3	Herbicide

Q233C_C: Q233C. c. Brand product name

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

Q233C_C2: Q233C. c2. Brand product formulation

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C233C_C: CODED VARIABLE - stringcode

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C233CA1: CODED VARIABLE - active ingredient1

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
AMETOCTRADIN*	AMETOCTRADIN*
CHLOROTHALONIL	CHLOROTHALONIL
CYMOXANYLE	CYMOXANYLE
CYPERMETHRIN	CYPERMETHRIN
DIFENOCONAZOLE	DIFENOCONAZOLE
Do not know	Do not know
FLUDIOXONIL	FLUDIOXONIL
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
S-METOLACHLORE	S-METOLACHLORE
TEFLUTRIN	TEFLUTRIN

C233CP1: CODED VARIABLE - amount of ai1**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.5 - 960 Format: Numeric

C233CU1: CODED VARIABLE - unit (% or Gr)**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
%	%
g/l	g/l

C233CA2: CODED VARIABLE - active ingredient2**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
DIFENOCONAZOLE	DIFENOCONAZOLE
DIMETHOMORPH	DIMETHOMORPH
FLUDIOXONIL	FLUDIOXONIL
FOLPET	FOLPET
QUARTZ	QUARTZ
THIAMETHOXAM	THIAMETHOXAM

C233CP2: CODED VARIABLE - amount of ai2**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 25 - 225 Format: Numeric

C233CA3: CODED VARIABLE - active ingredient3**Data file:** seed_treatment**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
FOSETYL-AL	FOSETYL-AL
PROPICONAZOLE	PROPICONAZOLE
THIAMETHOXAM	THIAMETHOXAM

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 50 - 262.5 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	200
2	400

3	300
4	250
5	1000
6	350
7	15000

Q233C_E: Q233C. e. PRODUCT 1: Unit of quantity

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
GRAM/HECT	GRAM/HECT
MILLILITER/HECT	MILLILITER/HECT

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

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 300 Format: Numeric

Q233C_G: Q233C. g. PRODUCT 1: Pest/disease/ weed targeted

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
-1	-1
Aseptenog et oïdium	Aseptenog et oïdium

DK	DK
Insticide	Insticide
dk	dk
maladie	maladie
pas de reponse	pas de reponse

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

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Yes
2	No

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
eame	eame

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
africa middle-east	africa middle-east

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

CLUSTERID: Unique cluster ID

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
tunisiatomato1	tunisiatomato1
tunisiawheat1	tunisiawheat1

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
Tunisia	Tunisia

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
531001100	531001100
53100121	53100121
53100221	53100221
531003000	531003000
531003100	531003100
531003200	531003200
53100321	53100321
531003300	531003300
531003500	531003500
531003600	531003600
53100421	53100421
53100521	53100521
53100621	53100621
53100721	53100721
53100821	53100821
53100921	53100921
532000100	532000100
53200121	53200121
532001700	532001700
532001800	532001800
532001900	532001900

532002000	532002000
532002100	532002100
532002200	532002200
53200221	53200221
532002300	532002300
532002400	532002400
532002500	532002500
532002600	532002600
53200321	53200321
53200421	53200421
53200521	53200521
53200621	53200621
53200721	53200721
53200821	53200821
53200921	53200921
53201021	53201021
53201121	53201121
53201221	53201221
53201321	53201321
53201421	53201421
53201521	53201521

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
tomato	tomato
wheat	wheat

AREASIZE: Q57. Size of growing area A for in

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 450 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: 4 - 600 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: 8 - 700 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: 1.8 - 80 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 - 0.8 Format: Numeric

NUTRIENTEFFICIENCY: Kgs of nitrogen used per ton produced**Data file: Farm_level_data****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 14.375 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 - 7.16285714285714 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

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 23.0769230769231 - 100 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: 0.00609285714285714 - 0.36 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: 0.0147692307692308 - 0.2244 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: 0.00395 - 0.228515625 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: 0.00095 - 0.00214285714285714 Format: Numeric

IRRIGATIONWATEREFFICIENCY: Litres of irrigation water used per ton produced**Data file:** Farm_level_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 22.625 Format: Numeric

LABOREFFICIENCY: Amount of labor hours per unit of crop output produced**Data file:** Farm_level_data**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.0115555555555556 - 4.88888888888889 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0.0057777777777778 - 4.88888888888889 Format: Numeric

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

Valid: 0 Invalid: 0

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

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

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

■ **PROTOCOL: have received a crop program and/or any recommendations this season?**

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

■ **FIELD_PREPARATION: Date of first field preparation**

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2017-01-01	2017-01-01
2017-01-15	2017-01-15
2017-08-01	2017-08-01

2017-08-20	2017-08-20
2017-08-22	2017-08-22
2017-08-25	2017-08-25
2017-08-26	2017-08-26
2017-08-28	2017-08-28
2017-08-30	2017-08-30
2017-09-01	2017-09-01
2017-09-05	2017-09-05
2017-09-06	2017-09-06
2017-09-10	2017-09-10
2017-09-20	2017-09-20
2017-10-01	2017-10-01
2017-10-05	2017-10-05
2017-10-10	2017-10-10
2017-10-12	2017-10-12
2017-11-01	2017-11-01
2017-12-01	2017-12-01
2018-01-01	2018-01-01

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
2017-02-01	2017-02-01
2017-03-01	2017-03-01
2017-09-30	2017-09-30
2017-11-01	2017-11-01
2017-11-02	2017-11-02
2017-11-03	2017-11-03
2017-11-04	2017-11-04
2017-11-05	2017-11-05
2017-11-06	2017-11-06

2017-11-07	2017-11-07
2017-11-09	2017-11-09
2017-11-10	2017-11-10
2017-11-15	2017-11-15
2018-02-01	2018-02-01
2018-03-01	2018-03-01

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
2018-06-01	2018-06-01
2018-06-02	2018-06-02
2018-06-05	2018-06-05
2018-06-06	2018-06-06
2018-06-10	2018-06-10
2018-06-15	2018-06-15
2018-06-20	2018-06-20
2018-06-21	2018-06-21
2018-06-22	2018-06-22
2018-06-23	2018-06-23
2018-06-25	2018-06-25
2018-06-30	2018-06-30
2018-07-10	2018-07-10
2018-08-01	2018-08-01

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
2018-07-01	2018-07-01
2018-07-02	2018-07-02
2018-07-05	2018-07-05
2018-07-10	2018-07-10
2018-07-15	2018-07-15
2018-07-20	2018-07-20
2018-07-22	2018-07-22
2018-07-25	2018-07-25
2018-07-31	2018-07-31
2018-08-01	2018-08-01
2018-08-04	2018-08-04
2018-08-05	2018-08-05
2018-08-06	2018-08-06
2018-08-10	2018-08-10
2018-09-01	2018-09-01

TERRITORY: Syngenta definition of territory (sub-region)**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
africa middle-east	africa middle-east

COUNTRY: Country**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Tunisia	Tunisia

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
tunisiatomato1	tunisiatomato1
tunisiawheat1	tunisiawheat1

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
531001100	531001100
53100121	53100121
53100221	53100221
531003000	531003000
531003100	531003100
531003200	531003200
53100321	53100321
531003300	531003300
531003500	531003500
531003600	531003600
53100421	53100421
53100521	53100521
53100621	53100621
53100721	53100721
53100821	53100821
53100921	53100921
532000100	532000100
53200121	53200121
532001700	532001700
532001800	532001800
532001900	532001900
532002000	532002000
532002100	532002100
532002200	532002200
53200221	53200221
532002300	532002300
532002400	532002400
532002500	532002500
532002600	532002600
53200321	53200321

53200421	53200421
53200521	53200521
53200621	53200621
53200721	53200721
53200821	53200821
53200921	53200921
53201021	53201021
53201121	53201121
53201221	53201221
53201321	53201321
53201421	53201421
53201521	53201521

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
a	a
b	b

FARMTYPE: Farmtype

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
bf	bf
rf	rf

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 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
tomato	tomato
wheat	wheat

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
The size indicated is an estimate	The size indicated is an estimate

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2 - 80 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: 1953 - 1989 Format: Numeric

Q28: Q28. Gender

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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1	male
2	female

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 0 - 38 Format: Numeric

Q30: Q30. Are you a full-time or part-time farmer?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q30B: Q30. B. How long have you been engaged in farming activities?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 3 - 50 Format: Numeric

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	don't know/ no answer
2	from no tillage to reduced tillage
3	from reduced to conventional tillage

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 5 - 20 Format: Numeric

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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
04	04
06	06
07	07
08	08
09	09
10 very satisfied	10 very satisfied

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q7001: Q7001. Have you changed your tillage practices for in the past 20 years?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	from grassland to arable land

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Q65: Q65. Do you practice intercropping for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q66_1: Q66. Which crops do you intercrop? Apples

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_3: Q66. Which crops do you intercrop? Barley**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q66_4: Q66. Which crops do you intercrop? Cauliflower**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_7: Q66. Which crops do you intercrop? Corn**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

2	not mentioned
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Q66_10: Q66. Which crops do you intercrop? Oilseed rape

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_12: Q66. Which crops do you intercrop? Pepper

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_13: Q66. Which crops do you intercrop? Potato

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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1	not mentioned
2	mentioned

Q66_15: Q66. Which crops do you intercrop? Soybean

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_18: Q66. Which crops do you intercrop? Sunflower

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_19: Q66. Which crops do you intercrop? Tomato

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_20: Q66. Which crops do you intercrop? Watermelon

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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_28: Q66. Which crops do you intercrop? Broccoli

Data file: Global_farm_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_45: Q66. Which crops do you intercrop? Fennel

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q66_80: Q66. Which crops do you intercrop? Pulses (lentils, beans, peas)

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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_1: Q61. What crops are you cultivating in rotation? Apples

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_15: Q61. What crops are you cultivating in rotation? Soybean**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_18: Q61. What crops are you cultivating in rotation? Sunflower**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_19: Q61. What crops are you cultivating in rotation? Tomato**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q61_20: Q61. What crops are you cultivating in rotation? Watermelon**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q61_21: Q61. What crops are you cultivating in rotation? Wheat**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q61_96: Q61. What crops are you cultivating in rotation? Other. Specify 1**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

2	not mentioned
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Q61_97: Q61. What crops are you cultivating in rotation? Other. Specify 2

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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 - 7 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	sandy clay soil
2	silty clay soil
3	clay soil
4	loamy sand soil
5	sandy loam soil
6	silt loam soil
7	sand soil

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	moist
2	dry

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	good drainage
2	poor drainage

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q55E2_1: Q55E2. Who organized this training? Syngenta representative

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q55E2_96: Q55E2. Who organized this training? 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
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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 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q5502_5: Q5502. Can you describe how the Syngenta representative contacted you? E-mail communication

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q5502_99: Q5502. Can you describe how the Syngenta representative contacted you? Don't know / no answer

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q72: Q72. When did the first field preparation start for growing area A for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
2017-01-01	2017-01-01
2017-01-15	2017-01-15
2017-08-01	2017-08-01
2017-08-20	2017-08-20
2017-08-22	2017-08-22
2017-08-25	2017-08-25
2017-08-26	2017-08-26
2017-08-28	2017-08-28
2017-08-30	2017-08-30
2017-09-01	2017-09-01
2017-09-05	2017-09-05
2017-09-06	2017-09-06
2017-09-10	2017-09-10
2017-09-20	2017-09-20
2017-10-01	2017-10-01

2017-10-05	2017-10-05
2017-10-10	2017-10-10
2017-10-12	2017-10-12
2017-11-01	2017-11-01
2017-12-01	2017-12-01
2018-01-01	2018-01-01

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: 140 - 6000 Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	open field

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 2 - 6000 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
2017-02-01	2017-02-01
2017-03-01	2017-03-01
2017-09-30	2017-09-30
2017-11-01	2017-11-01
2017-11-02	2017-11-02
2017-11-03	2017-11-03
2017-11-04	2017-11-04
2017-11-05	2017-11-05
2017-11-06	2017-11-06
2017-11-07	2017-11-07
2017-11-09	2017-11-09
2017-11-10	2017-11-10
2017-11-15	2017-11-15
2018-02-01	2018-02-01
2018-03-01	2018-03-01

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	pre-treated seed treatment
2	on-farm seed treatment
3	none

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q224A: Q224 A. Did you perform a soil test for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

Q224: Q224. Do you apply organic fertilizers for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q226: Q226. Do you apply chemical fertilizers for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 4 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 - 3 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 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	medium
2	no pressure
3	low
4	high
5	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 - 4 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	low
2	medium
3	high
4	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 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	medium
2	low
3	high
4	no pressure
5	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 - 3 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: 1 - 400 Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 40 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
2018-06-01	2018-06-01
2018-06-02	2018-06-02
2018-06-05	2018-06-05
2018-06-06	2018-06-06
2018-06-10	2018-06-10
2018-06-15	2018-06-15
2018-06-20	2018-06-20

2018-06-21	2018-06-21
2018-06-22	2018-06-22
2018-06-23	2018-06-23
2018-06-25	2018-06-25
2018-06-30	2018-06-30
2018-07-10	2018-07-10
2018-08-01	2018-08-01

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
2018-07-01	2018-07-01
2018-07-02	2018-07-02
2018-07-05	2018-07-05
2018-07-10	2018-07-10
2018-07-15	2018-07-15
2018-07-20	2018-07-20
2018-07-22	2018-07-22
2018-07-25	2018-07-25
2018-07-31	2018-07-31
2018-08-01	2018-08-01
2018-08-04	2018-08-04
2018-08-05	2018-08-05
2018-08-06	2018-08-06
2018-08-10	2018-08-10
2018-09-01	2018-09-01

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1.8 - 80 Format: Numeric

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q4094_96: Q4094. Who measured the yield on each of the growing areas? Other specify1**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4094_99: Q4094. Who measured the yield on each of the growing areas? Don't know / no answer**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4095A: Q4095. A. Compared to previous year, would you say your yield has ...?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	increased
2	decreased
3	remained stable

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q4097A: Q4097. A. How satisfied are you with the price you received on the market?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 4 Format: Numeric

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

Valid: 0 Invalid: 0

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

Q266B: Q266 B. Please indicate the protein content level of your yield for .**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	high protein content level (above 10%)
2	normal protein content level (about 10%)

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

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 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: 0 - 10 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: 60 - 100 Format: Numeric

Q4002: Q4002. Did you take measures to prevent post-harvest loss for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

Q7013: Q7013. How do you deal with crop residue of ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	i leave the crop residue on the field
2	i burn the crop residue
3	i remove the crop residue and leave it untreated
4	i remove the crop residue and export it off farm
5	other. specify:

Q377: Q377. What is the estimated revenue in / for growing area A of ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 160000 Format: Numeric

Q379: Q379.A Can you please explain your answer for ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	average
2	low
3	very low
4	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: 1 - 14900 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 3000 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 3000 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 2500 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 1 - 3000 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 2500 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1600 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1500 Format: Numeric

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 1000 Format: Numeric

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 0 - 400 Format: Numeric

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Q381_7: Q381. Percentage of FUEL costs out of the total input cost for ?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

Q387_99: Q387. What was the impact for target crop? Don't know / no answer**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q388B: Q388. B. You mentioned you had less rainfall this season than usual. Was this problematic?**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	yes
2	no

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no

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 - 4 Format: Numeric

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	no
2	yes

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 30 - 60 Format: Numeric

Q391: Q391. What is the average amount of hours per day you have been irrigating of ?

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 60 - 9050 Format: Numeric

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	dispersing drop by drop to the base of the plant

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	rather satisfied

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

Valid: 0 Invalid: 0

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

Q4000_1: q4000_1. To whom do you sell your yield - I sell it on the local market**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4000_2: q4000_2. To whom do you sell your yield - I sell it to a trader**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4000_3: q4000_3. To whom do you sell your yield - I sell it to a wholesaler**Data file:** Global_farm_data**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned
2	not mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4000_7: q4000_7. To whom do you sell your yield -Government owned rural collection center

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

Q4000_99: q4000_99. To whom do you sell your yield -Don't know / no answer

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	mentioned

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

Data file: Global_farm_data

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	not mentioned
2	mentioned

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
NSP	NSP
PAS DE REPONSE	PAS DE REPONSE
nsp	nsp
pas de reponse	pas de reponse
pas de reponse.	pas de reponse.

pour ameliorer la production	pour ameliorer la production
pour améliorer la production	pour améliorer la production
pour augmenter la production	pour augmenter la production

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

Valid: 0 Invalid: 0

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

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
TunisiaTomato1	TunisiaTomato1
TunisiaWheat1	TunisiaWheat1

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Tunisia	Tunisia

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
531001100	531001100
53100221	53100221
531003000	531003000
531003100	531003100
531003200	531003200
53100321	53100321
531003300	531003300
531003500	531003500
531003600	531003600

53100421	53100421
53100621	53100621
53100721	53100721
53100821	53100821
53100921	53100921
532000100	532000100
532001700	532001700
532001800	532001800
532001900	532001900
532002000	532002000
532002100	532002100
532002200	532002200
53200221	53200221
532002300	532002300
532002400	532002400
532002500	532002500
532002600	532002600
53200421	53200421
53200521	53200521
53200621	53200621
53200721	53200721
53200821	53200821
53200921	53200921
53201021	53201021
53201121	53201121
53201221	53201221
53201321	53201321
53201421	53201421
53201521	53201521

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

Value	Category
1	1
2	2
3	3

CROP: The crop of focus

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Tomato	Tomato
Wheat	Wheat

APPLICATION: Unique code of an application per field per grower

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	1
2	2
3	3

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
2017-11-20	2017-11-20
2018-01-01	2018-01-01
2018-01-05	2018-01-05
2018-02-01	2018-02-01
2018-02-20	2018-02-20
2018-03-01	2018-03-01
2018-03-25	2018-03-25
2018-04-01	2018-04-01
2018-04-02	2018-04-02
2018-04-05	2018-04-05
2018-04-06	2018-04-06
2018-04-15	2018-04-15
2018-04-16	2018-04-16
2018-04-30	2018-04-30
2018-05-01	2018-05-01
2018-05-02	2018-05-02
2018-05-15	2018-05-15
2018-05-16	2018-05-16
2018-08-20	2018-08-20
2018-08-25	2018-08-25
2018-09-01	2018-09-01
2018-09-15	2018-09-15
2018-10-01	2018-10-01

Q241B: Q241 b.Type of product

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

1	Herbicide
2	Insecticide
3	Fungicide

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
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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
AMETOCTRADIN*	AMETOCTRADIN*
AZOXYSTROBIN	AZOXYSTROBIN
CHINOSOL	CHINOSOL
CHLOROTHALONIL	CHLOROTHALONIL
CHLOROTOLURON	CHLOROTOLURON
CYMOXANYLE	CYMOXANYLE
DIFLUFENIKAN	DIFLUFENIKAN
Do not know	Do not know
EPOXYCONAZOLE	EPOXYCONAZOLE
GLYPHOSATE	GLYPHOSATE
IODOSULFURON-M	IODOSULFURON-M

C241CP1: CODED VARIABLE - amount of ai1**Data file: Crop_protection****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3 - 720 Format: Numeric

C241CU1: CODED VARIABLE - unit (% or Gr)**Data file: Crop_protection****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	g/l
2	percent

C241CA2: CODED VARIABLE - active ingredient2

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
CYPROCONAZOLE	CYPROCONAZOLE
DIMETHOMORPH	DIMETHOMORPH
FLUFENACET	FLUFENACET
FOLPET	FOLPET
KRESOXIM-METHYL	KRESOXIM-METHYL
MEFENPIR-DIETIL	MEFENPIR-DIETIL
QUARTZ	QUARTZ

C241CP2: CODED VARIABLE - amount of ai2

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 9 - 250 Format: Numeric

C241CA3: CODED VARIABLE - active ingredient3

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
FLURTAMONE	FLURTAMONE
FOSETYL-AL	FOSETYL-AL
MESOSULFURON METHYL	MESOSULFURON METHYL

C241CP3: CODED VARIABLE - amount of ai3

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3 - 120 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: 15 - 720 Format: Numeric

Q241D: CODED VARIABLE Q241 d. Dosage ?

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 200 - 2000 Format: Numeric

Q241E: CODED VARIABLE Q241 e. Unit of quantity

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
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1	MILLILITER/HECT
2	GRAM/HECT

Q241G: Q241 g. Pest/disease/ weed targeted ?

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
-1	-1
99	99
adventice	adventice
adventie	adventie
aseptonet	aseptonet
fongicide	fongicide
fuzarium	fuzarium
hamra	hamra
herbicide	herbicide
septoriose	septoriose

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: 1 - 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: 1 - 95 Format: Numeric

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

Q241N: Q241 n. What is the timing of the treatment - before crop-emergence or after crop-emergence**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

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

SYNGENTA: CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)**Data file:** Crop_protection**Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	No
2	Yes

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

Valid: 0 Invalid: 0

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

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
TunisiaTomato1	TunisiaTomato1
TunisiaWheat1	TunisiaWheat1

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

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 53100121 - 532002600 Format: Numeric

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
A	A
B	B

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

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	1

Q151: Q151. Open field or in a greenhouse?**Data file: Location****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	Open field

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

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
Yes	Yes

Q25: Q25. Farm address - postal code

Data file: Location

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1100	1100
1113	1113
1250	1250
2131	2131
3100	3100
6120	6120
7030	7030
8000	8000
8100	8100
8170	8170
9000	9000
9010	9010
9013	9013
9023	9023
9030	9030
9040	9040

9100

9100

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
Béja	Béja
Gafsa	Gafsa
Gouvernorat de Bizerte	Gouvernorat de Bizerte
Gouvernorat de Jendouba	Gouvernorat de Jendouba
Gouvernorat de Kairouan	Gouvernorat de Kairouan
Jendouba	Jendouba
Kasserine	Kasserine
La Manouba	La Manouba
Sfax	Sfax
Sidi Bou Zid	Sidi Bou Zid
Siliana	Siliana
Tunis	Tunis
Zaghouan	Zaghouan

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 - 2018 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
Tunisia	Tunisia

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
Tomato	Tomato
Wheat	Wheat

CLUSTERID: Unique identifier per cluster**Data file: Activities and Machinery (Q382)****Overview**

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
TunisiaTomato1	TunisiaTomato1
TunisiaWheat1	TunisiaWheat1

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
531001100	531001100
53100121	53100121
53100221	53100221
531003000	531003000
531003100	531003100
531003200	531003200
53100321	53100321
531003300	531003300

531003500	531003500
531003600	531003600
53100421	53100421
53100521	53100521
53100621	53100621
53100721	53100721
53100821	53100821
53100921	53100921
532000100	532000100
53200121	53200121
532001700	532001700
532001800	532001800
532001900	532001900
532002000	532002000
532002100	532002100
532002200	532002200
53200221	53200221
532002300	532002300
532002400	532002400
532002500	532002500
532002600	532002600
53200321	53200321
53200421	53200421
53200521	53200521
53200621	53200621
53200721	53200721
53200821	53200821
53200921	53200921
53201021	53201021
53201121	53201121
53201221	53201221
53201321	53201321
53201421	53201421
53201521	53201521

GROWINGAREA: Field code (A or B)

Data file: Activities and Machinery (Q382)

Overview

Valid: 0 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category
1	A
2	B

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

Data file: Activities and Machinery (Q382)

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 13 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Clearing
2	Ploughing
3	Digging
4	Ridging
5	Ripping
6	Land levelling
7	Applying fertilizers
8	Mulching
9	Sowing or planting
10	Applying pesticides
11	Irrigating
12	Harvesting
13	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

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
