Good Growth Plan 2015

Syngenta

report_generated_on: January 27, 2023

visit_data_catalog_at: https://microdata.worldbank.org/index.php

Identification

SURVEY ID NUMBER
DEU_2015_GGP-P_v01_M_v01_A_OCS

TITLE
Good Growth Plan 2015

COUNTRY/ECONOMY

Name	Country code
Germany	DEU

STUDY TYPE
Agricultural Survey [ag/oth]

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

KIND OF DATA
Sample survey data [ssd]

UNIT OF ANALYSIS
Agricultural holdings

Scope

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

TOPICS

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

KEYWORDS

Keyword
Input efficiency
Crop productivity
Agriculture
The Good Growth Plan

Coverage

GEOGRAPHIC COVERAGE
National coverage

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Syngenta

PRODUCERS

Name	Role
Kynetec	Technical assistance

Sampling

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

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

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

data_collection

DATES OF DATA COLLECTION

Start	End
2015	2015

DATA COLLECTION MODE
Face-to-face [f2f]

questionnaires

QUESTIONNAIRES
Data collection tool for 2019 covered the following information:

(A) PRE- HARVEST INFORMATION

PART I: Screening
PART II: Contact Information
PART III: Farm Characteristics
a. Biodiversity conservation
b. Soil conservation
c. Soil erosion
d. Description of growing area
e. Training on crop cultivation and safety measures
PART IV: Farming Practices - Before Harvest
a. Planting and fruit development - Field crops
b. Planting and fruit development - Tree crops
c. Planting and fruit development - Sugarcane
d. Planting and fruit development - Cauliflower
e. Seed treatment

(B) HARVEST INFORMATION

PART V: Farming Practices - After Harvest
a. Fertilizer usage
b. Crop protection products
c. Harvest timing & quality per crop - Field crops
d. Harvest timing & quality per crop - Tree crops
e. Harvest timing & quality per crop - Sugarcane
f. Harvest timing & quality per crop - Banana
g. After harvest
PART VI - Other inputs - After Harvest
a. Input costs
b. Abiotic stress
c. Irrigation

See all questionnaires in external materials tab

data_processing

DATA EDITING
Data processing:

Kynetec uses SPSS (Statistical Package for the Social Sciences) for data entry, cleaning, analysis, and reporting. After collection, the farm data is entered into a local database, reviewed, and quality-checked by the local Kynetec agency. In the case of missing values or inconsistencies, farmers are re-contacted. In some cases, grower data is verified with local experts (e.g. retailers) to ensure data accuracy and validity. After country-level cleaning, the farm-level data is submitted to the global Kynetec headquarters for processing. In the case of missing values or inconsistences, the local Kynetec office was re-contacted to clarify and solve issues.

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

• Screening: Each grower is screened and selected by Kynetec based on cluster-specific criteria to ensure a comparable group of growers within each cluster. This helps keeping variability low.

• Evaluation of the questionnaire: The questionnaire aligns with the global objective of the project and is adapted to the local context (e.g. interviewers and growers should understand what is asked). Each year the questionnaire is evaluated based on several criteria, and updated where needed.

• Briefing of interviewers: Each year, local interviewers - familiar with the local context of farming -are thoroughly briefed to fully comprehend the questionnaire to obtain unbiased, accurate answers from respondents.

• Cross-validation of the answers:

o Kynetec captures all growers' responses through a digital data-entry tool. Various logical and consistency checks are automated in this tool (e.g. total crop size in hectares cannot be larger than farm size)
o Kynetec cross validates the answers of the growers in three different ways:
1. Within the grower (check if growers respond consistently during the interview)
2. Across years (check if growers respond consistently throughout the years)
3. Within cluster (compare a grower's responses with those of others in the group)
o All the above mentioned inconsistencies are followed up by contacting the growers and asking them to verify their answers. The data is updated after verification. All updates are tracked.

• Check and discuss evolutions and patterns: Global evolutions are calculated, discussed and reviewed on a monthly basis jointly by Kynetec and Syngenta.

• Sensitivity analysis: sensitivity analysis is conducted to evaluate the global results in terms of outliers, retention rates and overall statistical robustness. The results of the sensitivity analysis are discussed jointly by Kynetec and Syngenta.

• It is recommended that users interested in using the administrative level 1 variable in the location dataset use this variable with care and crosscheck it with the postal code variable.

data_appraisal

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

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

Access policy

CONTACTS

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

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

ACCESS CONDITIONS
Micro datasets disseminated by FAO shall only be allowed for research and statistical purposes. Users requesting access to any datasets must agree to the following minimal conditions:
- The micro dataset will only be used for statistical and/or research purposes;
- Any results derived from the micro dataset will be used solely for reporting aggregated information, and not for any specific individual entities or data subjects;
- The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO;
- The micro dataset cannot be re-disseminated by users or shared with anyone other than the individuals that are granted access to the micro dataset by FAO.

CITATION REQUIREMENTS
The Good Growth Plan Progress Data - Productivity 2019

Disclaimer and copyrights

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

Metadata production

DDI DOCUMENT ID
DDI_DEU_2015_GGP-P_v01_M_v01_A_OCS

PRODUCERS

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

DATE OF METADATA PRODUCTION
2023-01-26

DDI DOCUMENT VERSION
Version 01 (January 2023): This metadata was downloaded from the FAO website (https://microdata.fao.org/index.php/catalog) and it is identical to FAO version (DEU_2015_GGP-P_v01_EN_M_A_OCS). The following two metadata fields were edited - Document ID and Survey ID.

data_dictionary

Data file	Cases	variables
seed_treatment	0	21
Farm_level_data	0	26
Global_farm_data	0	9
Crop_protection	0	24
Location	0	6

Data file: seed_treatment

Cases:	0
variables:	21

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	FARMTYPE	
V6	GrowerID	Unique respondent ID	
V7	product	Unique code of a product that was applied	
V8	crop	The crop of focus	
V9	q233c_b	Q233C. b.Type of product	
V10	q233c_c	Q233C. c. Brand product name	
V11	c233c_c	CODED VARIABLE - stringcode	
V12	c233ca1	CODED VARIABLE - active ingredient1	
V13	c233cp1	CODED VARIABLE - amount of ai1	
V14	c233cu1	CODED VARIABLE - unit (% or Gr)	
V15	c233ca2	CODED VARIABLE - active ingredient2	
V16	c233cp2	CODED VARIABLE - amount of ai2	
V17	c233ca3	CODED VARIABLE - active ingredient3	
V18	c233cp3	CODED VARIABLE - amount of ai3	
V19	q233c_d	Q233C. d. PRODUCT 1: Dosage	
V20	q233c_e	Q233C. e. PRODUCT 1: Unit of quantity	
V21	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 21

Data file: Farm_level_data

Cases:	0
variables:	26

variables

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

total: 26

Data file: Global_farm_data

Cases:	0
variables:	9

variables

ID	Name	Label	Question
V48	Territory	Syngenta definition of territory (sub-region)	
V49	country	Country	
V50	ClusterID	Unique cluster ID	
V51	GrowerID	Unique respondent ID	
V52	GrowingArea	To which field/plot does the information relate to?	
V53	Farmtype	Farmtype	
V54	crop	Crop of focus	
V55	q67	Q67. What is the soil type of growing area A for <TARGET CROP>?	
V56	harvestyear	Data collection wave	

total: 9

Data file: Crop_protection

Cases:	0
variables:	24

variables

ID	Name	Label	Question
V57	harvestyear	Data collection wave	
V58	GrowingArea	To which field/plot does the information relate to?	
V59	ClusterID	Unique cluster ID	
V60	country	Country	
V61	Farmtype	FARMTYPE	
V62	GrowerID	Unique respondent ID	
V63	product	Unique code of a product within application	
V64	crop	The crop of focus	
V65	application	Unique code of an application per field per grower	
V66	q241a	Q241 a. Timing of product application	
V67	q241b	Q241 b.Type of product	
V68	q241c	Q241 c . Brand product name	
V69	c241c	CODED VARIABLE - stringcode	
V70	c241ca1	CODED VARIABLE - active ingredient1	
V71	c241cp1	CODED VARIABLE - amount of ai1	
V72	c241cu1	CODED VARIABLE - unit (% or Gr)	
V73	c241ca2	CODED VARIABLE - active ingredient2	
V74	c241cp2	CODED VARIABLE - amount of ai2	
V75	c241ca3	CODED VARIABLE - active ingredient3	
V76	c241cp3	CODED VARIABLE - amount of ai3	
V77	q241d	CODED VARIABLE Q241 d. Dosage ?	
V78	q241e	CODED VARIABLE Q241 e. Unit of quantity	
V79	q241g	Q241 g. Pest/disease/ weed targeted ?	
V80	syngenta	CODED VARIABLE Syngenta product? (1 = YES; 0 = NO)	

total: 24

Data file: Location

Cases:	0
variables:	6

variables

ID	Name	Label	Question
V81	harvestyear	Year in which the data was collected	
V82	country	Country	
V83	ClusterID	Unique identifier per cluster	
V84	GrowerID	Unique identifier per grower	
V85	GrowingArea	Field code (A or B)	
V86	admin_level_1	administrative area 1	

total: 6

HARVESTYEAR: Data collection wave

Data file: seed_treatment

Overview

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

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

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
GermanyBarley1	GermanyBarley1

COUNTRY: Country

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Germany	Germany

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
461001	461001
461002	461002
461003	461003
461004	461004
461005	461005
461006	461006
461007	461007
461008	461008
461009	461009
461010	461010
461011	461011
461012	461012
461013	461013
461014	461014
461015	461015
461016	461016
461017	461017
461018	461018
461019	461019
461020	461020
461021	461021
461022	461022
461023	461023
461024	461024
461025	461025
461026	461026
461027	461027
461028	461028
461029	461029
461030	461030
461031	461031
461032	461032
461033	461033
461034	461034
461035	461035

461036	461036
461037	461037
461038	461038
461039	461039
461040	461040
461041	461041
461042	461042
461043	461043
461044	461044
461045	461045
461047	461047
461048	461048
461049	461049
461050	461050
461051	461051
461052	461052
461053	461053
461054	461054
461055	461055
461056	461056
461057	461057
461058	461058
461059	461059
461060	461060
461061	461061
461062	461062
461063	461063
461064	461064
461065	461065
461066	461066
461067	461067
461068	461068
461069	461069
461070	461070
461071	461071
461072	461072
461073	461073
461074	461074
461075	461075

461076	461076
461077	461077
461078	461078
461079	461079
461080	461080
461082	461082
461083	461083
461084	461084
461085	461085
461086	461086
461087	461087
461090	461090
461091	461091
461092	461092
461093	461093
461095	461095
461096	461096
461097	461097
461098	461098
461099	461099
461100	461100
461101	461101
462001	462001
462002	462002
462003	462003
462004	462004
462005	462005
462006	462006
462007	462007
462008	462008
462009	462009
462010	462010
462011	462011
462012	462012
462013	462013
462014	462014
462015	462015
462016	462016
462017	462017

462018	462018
462019	462019
462020	462020
462021	462021
462022	462022
462023	462023
462024	462024
462025	462025
462026	462026
462027	462027
462028	462028
462029	462029
462030	462030
462031	462031
462032	462032
462033	462033
462034	462034
462035	462035
462036	462036
462037	462037
462038	462038
462039	462039
462040	462040
462041	462041
462042	462042
462043	462043
462044	462044
462045	462045
462047	462047
462048	462048
462049	462049
462050	462050
462051	462051
462052	462052
462053	462053
462054	462054
462055	462055
462056	462056
462057	462057

462058	462058
462059	462059
462060	462060
462061	462061
462062	462062
462063	462063
462064	462064
462065	462065
462066	462066
462067	462067
462068	462068
462069	462069
462070	462070
462071	462071
462072	462072
462073	462073
462074	462074
462075	462075
462076	462076
462077	462077
462078	462078
462079	462079
462080	462080
462082	462082
462083	462083
462084	462084
462085	462085
462086	462086
462087	462087
462090	462090
462091	462091
462092	462092
462093	462093
462095	462095
462096	462096
462097	462097
462098	462098
462099	462099
462100	462100

462101	462101

PRODUCT: Unique code of a product that was applied

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	1

CROP: The crop of focus

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Barley	Barley

Q233C_B: Q233C. b.Type of product

Data file: seed_treatment

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	Fungicide

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
DIFENOCONAZOLE	DIFENOCONAZOLE

C233CP1: CODED VARIABLE - amount of ai1

Data file: seed_treatment

Overview

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

C233CP2: CODED VARIABLE - amount of ai2

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 25 - 25 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
TEBUCONAZOLE	TEBUCONAZOLE

C233CP3: CODED VARIABLE - amount of ai3

Data file: seed_treatment

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 5 - 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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	2

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
ML/KG	ML/KG

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 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Yes

HARVESTYEAR: Data collection wave

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 2014 - 2017 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
europe north	europe north

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
germanybarley1	germanybarley1

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
Germany	Germany

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
461001	461001
461002	461002
461003	461003
461004	461004
461005	461005
461006	461006
461007	461007
461008	461008
461009	461009
461010	461010
461011	461011
461012	461012
461013	461013
461014	461014
461015	461015
461016	461016
461017	461017
461018	461018
461019	461019
461020	461020
461021	461021

461022	461022
461023	461023
461024	461024
461025	461025
461026	461026
461027	461027
461028	461028
461029	461029
461030	461030
461031	461031
461032	461032
461033	461033
461034	461034
461035	461035
461036	461036
461037	461037
461038	461038
461039	461039
461040	461040
461041	461041
461042	461042
461043	461043
461044	461044
461045	461045
461047	461047
461048	461048
461049	461049
461050	461050
461051	461051
461052	461052
461053	461053
461054	461054
461055	461055
461056	461056
461057	461057
461058	461058
461059	461059
461060	461060
461061	461061

461062	461062
461063	461063
461064	461064
461065	461065
461066	461066
461067	461067
461068	461068
461069	461069
461070	461070
461071	461071
461072	461072
461073	461073
461074	461074
461075	461075
461076	461076
461077	461077
461078	461078
461079	461079
461080	461080
461082	461082
461083	461083
461084	461084
461085	461085
461086	461086
461087	461087
461090	461090
461091	461091
461092	461092
461093	461093
461095	461095
461096	461096
461097	461097
461098	461098
461099	461099
461100	461100
461101	461101
461114	461114
461120	461120
461162	461162

461181	461181
461186	461186
461187	461187
461195	461195
461196	461196
461197	461197
461198	461198
461199	461199
461200	461200
461201	461201
461202	461202
461203	461203
461204	461204
461205	461205
461206	461206
461207	461207
461208	461208
461209	461209
461210	461210
462001	462001
462002	462002
462003	462003
462004	462004
462005	462005
462006	462006
462007	462007
462008	462008
462009	462009
462010	462010
462011	462011
462012	462012
462013	462013
462014	462014
462015	462015
462016	462016
462017	462017
462018	462018
462019	462019
462020	462020

462021	462021
462022	462022
462023	462023
462024	462024
462025	462025
462026	462026
462027	462027
462028	462028
462029	462029
462030	462030
462031	462031
462032	462032
462033	462033
462034	462034
462035	462035
462036	462036
462037	462037
462038	462038
462039	462039
462040	462040
462041	462041
462042	462042
462043	462043
462044	462044
462045	462045
462047	462047
462048	462048
462049	462049
462050	462050
462051	462051
462052	462052
462053	462053
462054	462054
462055	462055
462056	462056
462057	462057
462058	462058
462059	462059
462060	462060

462061	462061
462062	462062
462063	462063
462064	462064
462065	462065
462066	462066
462067	462067
462068	462068
462069	462069
462070	462070
462071	462071
462072	462072
462073	462073
462074	462074
462075	462075
462076	462076
462077	462077
462078	462078
462079	462079
462080	462080
462082	462082
462083	462083
462084	462084
462085	462085
462086	462086
462087	462087
462090	462090
462091	462091
462092	462092
462093	462093
462095	462095
462096	462096
462097	462097
462098	462098
462099	462099
462100	462100
462101	462101
462114	462114
462120	462120

462162	462162
462181	462181
462186	462186
462187	462187
462195	462195
462196	462196
462197	462197
462198	462198
462199	462199
462200	462200
462201	462201
462202	462202
462203	462203
462204	462204
462205	462205
462206	462206
462207	462207
462208	462208
462209	462209
462210	462210

CROP: The crop of focus

Data file: Farm_level_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
barley	barley

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: 0.4 - 56 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: 2 - 10 Format: Numeric

FARMSIZE: Q6. Total size of your farm/cultivated area for all crops in

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 2 - 10 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: 3.9 - 13.8 Format: Numeric

PESTICIDEAPPLICATIONEFFIICIENCY: Number of field applications used per ton produced

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 0.0859845227858985 - 1.09622411693057 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 - 49.7435897435897 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 - 0 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

SEEDEFFICIENCY: Kgs of seeds used per ton produced

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 5.32786885245902 - 51.5384615384615 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: 0.00081516483516484 - 1.23116 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 - 1.18 Format: Numeric

FUNGICIDEEFFICIENCY: Kgs of active ingredients from fungicides used per ton produced

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.438689634146341 Format: Numeric

INSECTICIDEEFFICIENCY: Kgs of active ingredients from insecticides used per ton produced

Data file: Farm_level_data

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 0 - 0.00534188034188034 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

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
2016-09-12	2016-09-12

2016-09-13	2016-09-13
2016-09-14	2016-09-14
2016-09-15	2016-09-15
2016-09-16	2016-09-16
2016-09-18	2016-09-18
2016-09-19	2016-09-19
2016-09-20	2016-09-20
2016-09-21	2016-09-21
2016-09-22	2016-09-22
2016-09-23	2016-09-23
2016-09-24	2016-09-24
2016-09-25	2016-09-25
2016-09-26	2016-09-26
2016-09-27	2016-09-27
2016-09-28	2016-09-28
2016-09-29	2016-09-29
2016-09-30	2016-09-30
2016-10-01	2016-10-01
2016-10-02	2016-10-02
2016-10-03	2016-10-03
2016-10-04	2016-10-04
2016-10-05	2016-10-05
2016-10-06	2016-10-06
2016-10-08	2016-10-08
2016-10-11	2016-10-11
2016-10-12	2016-10-12
2016-10-14	2016-10-14
2016-10-15	2016-10-15
2016-10-25	2016-10-25

HARVEST_BEGIN: Date when harvest started

Data file: Farm_level_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2017-06-26	2017-06-26
2017-06-28	2017-06-28
2017-07-03	2017-07-03
2017-07-04	2017-07-04
2017-07-05	2017-07-05
2017-07-06	2017-07-06
2017-07-07	2017-07-07
2017-07-08	2017-07-08
2017-07-09	2017-07-09
2017-07-10	2017-07-10
2017-07-13	2017-07-13
2017-07-14	2017-07-14
2017-07-15	2017-07-15
2017-07-16	2017-07-16
2017-07-17	2017-07-17
2017-07-18	2017-07-18
2017-07-19	2017-07-19
2017-07-20	2017-07-20
2017-07-21	2017-07-21
2017-08-02	2017-08-02

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
europe north	europe north

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
Germany	Germany

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
germanybarley1	germanybarley1

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
461001	461001
461002	461002
461003	461003
461004	461004
461005	461005
461006	461006
461007	461007
461008	461008
461009	461009
461010	461010
461011	461011
461012	461012
461013	461013
461014	461014
461015	461015
461016	461016
461017	461017
461018	461018
461019	461019
461020	461020
461021	461021
461022	461022
461023	461023
461024	461024
461025	461025
461026	461026
461027	461027
461028	461028
461029	461029
461030	461030
461031	461031
461032	461032

461033	461033
461034	461034
461035	461035
461036	461036
461037	461037
461038	461038
461039	461039
461040	461040
461041	461041
461042	461042
461043	461043
461044	461044
461045	461045
461047	461047
461048	461048
461049	461049
461050	461050
461051	461051
461052	461052
461053	461053
461054	461054
461055	461055
461056	461056
461057	461057
461058	461058
461059	461059
461060	461060
461061	461061
461062	461062
461063	461063
461064	461064
461065	461065
461066	461066
461067	461067
461068	461068
461069	461069
461070	461070
461071	461071
461072	461072

461073	461073
461074	461074
461075	461075
461076	461076
461077	461077
461078	461078
461079	461079
461080	461080
461082	461082
461083	461083
461084	461084
461085	461085
461086	461086
461087	461087
461090	461090
461091	461091
461092	461092
461093	461093
461095	461095
461096	461096
461097	461097
461098	461098
461099	461099
461100	461100
461101	461101
462001	462001
462002	462002
462003	462003
462004	462004
462005	462005
462006	462006
462007	462007
462008	462008
462009	462009
462010	462010
462011	462011
462012	462012
462013	462013
462014	462014

462015	462015
462016	462016
462017	462017
462018	462018
462019	462019
462020	462020
462021	462021
462022	462022
462023	462023
462024	462024
462025	462025
462026	462026
462027	462027
462028	462028
462029	462029
462030	462030
462031	462031
462032	462032
462033	462033
462034	462034
462035	462035
462036	462036
462037	462037
462038	462038
462039	462039
462040	462040
462041	462041
462042	462042
462043	462043
462044	462044
462045	462045
462047	462047
462048	462048
462049	462049
462050	462050
462051	462051
462052	462052
462053	462053
462054	462054

462055	462055
462056	462056
462057	462057
462058	462058
462059	462059
462060	462060
462061	462061
462062	462062
462063	462063
462064	462064
462065	462065
462066	462066
462067	462067
462068	462068
462069	462069
462070	462070
462071	462071
462072	462072
462073	462073
462074	462074
462075	462075
462076	462076
462077	462077
462078	462078
462079	462079
462080	462080
462082	462082
462083	462083
462084	462084
462085	462085
462086	462086
462087	462087
462090	462090
462091	462091
462092	462092
462093	462093
462095	462095
462096	462096
462097	462097

462098	462098
462099	462099
462100	462100
462101	462101

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

CROP: Crop of focus

Data file: Global_farm_data

Overview

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

Questions and instructions

CATEGORIES

Value	Category
barley	barley

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 - 8 Format: Numeric

Questions and instructions

CATEGORIES

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

HARVESTYEAR: Data collection wave

Data file: Global_farm_data

Overview

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

HARVESTYEAR: Data collection wave

Data file: Crop_protection

Overview

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

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

Data file: 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
GermanyBarley1	GermanyBarley1

COUNTRY: Country

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Germany	Germany

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
461001	461001
461002	461002
461003	461003
461004	461004
461005	461005
461006	461006
461007	461007
461008	461008
461009	461009

461010	461010
461011	461011
461012	461012
461013	461013
461014	461014
461015	461015
461016	461016
461017	461017
461018	461018
461019	461019
461020	461020
461021	461021
461022	461022
461023	461023
461024	461024
461025	461025
461026	461026
461027	461027
461028	461028
461029	461029
461030	461030
461031	461031
461032	461032
461033	461033
461034	461034
461035	461035
461036	461036
461037	461037
461038	461038
461039	461039
461040	461040
461041	461041
461042	461042
461043	461043
461044	461044
461045	461045
461047	461047
461048	461048
461049	461049

461050	461050
461051	461051
461052	461052
461053	461053
461054	461054
461055	461055
461056	461056
461057	461057
461058	461058
461059	461059
461060	461060
461061	461061
461062	461062
461063	461063
461064	461064
461065	461065
461066	461066
461067	461067
461068	461068
461069	461069
461070	461070
461071	461071
461072	461072
461073	461073
461074	461074
461075	461075
461076	461076
461077	461077
461078	461078
461079	461079
461080	461080
461082	461082
461083	461083
461084	461084
461085	461085
461086	461086
461087	461087
461090	461090
461091	461091

461092	461092
461093	461093
461095	461095
461096	461096
461097	461097
461098	461098
461099	461099
461100	461100
461101	461101
462001	462001
462002	462002
462003	462003
462004	462004
462005	462005
462006	462006
462007	462007
462008	462008
462009	462009
462010	462010
462011	462011
462012	462012
462013	462013
462014	462014
462015	462015
462016	462016
462017	462017
462018	462018
462019	462019
462020	462020
462021	462021
462022	462022
462023	462023
462024	462024
462025	462025
462026	462026
462027	462027
462028	462028
462029	462029
462030	462030

462031	462031
462032	462032
462033	462033
462034	462034
462035	462035
462036	462036
462037	462037
462038	462038
462039	462039
462040	462040
462041	462041
462042	462042
462043	462043
462044	462044
462045	462045
462047	462047
462048	462048
462049	462049
462050	462050
462051	462051
462052	462052
462053	462053
462054	462054
462055	462055
462056	462056
462057	462057
462058	462058
462059	462059
462060	462060
462061	462061
462062	462062
462063	462063
462064	462064
462065	462065
462066	462066
462067	462067
462068	462068
462069	462069
462070	462070

462071	462071
462072	462072
462073	462073
462074	462074
462075	462075
462076	462076
462077	462077
462078	462078
462079	462079
462080	462080
462082	462082
462083	462083
462084	462084
462085	462085
462086	462086
462087	462087
462090	462090
462091	462091
462092	462092
462093	462093
462095	462095
462096	462096
462097	462097
462098	462098
462099	462099
462100	462100
462101	462101

PRODUCT: Unique code of a product within application

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category

1	1
2	2
3	3
4	4
5	5

CROP: The crop of focus

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
Barley	Barley

APPLICATION: Unique code of an application per field per grower

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

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

Q241A: Q241 a. Timing of product application

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
2014-09-05	2014-09-05
2014-09-06	2014-09-06
2014-09-14	2014-09-14
2014-09-18	2014-09-18
2014-09-21	2014-09-21
2014-09-22	2014-09-22
2014-09-25	2014-09-25
2014-09-26	2014-09-26
2014-09-27	2014-09-27
2014-09-28	2014-09-28
2014-09-29	2014-09-29
2014-10-01	2014-10-01
2014-10-02	2014-10-02
2014-10-03	2014-10-03
2014-10-04	2014-10-04
2014-10-05	2014-10-05
2014-10-06	2014-10-06
2014-10-07	2014-10-07
2014-10-08	2014-10-08
2014-10-09	2014-10-09
2014-10-10	2014-10-10
2014-10-11	2014-10-11
2014-10-13	2014-10-13
2014-10-14	2014-10-14
2014-10-15	2014-10-15
2014-10-16	2014-10-16
2014-10-17	2014-10-17
2014-10-18	2014-10-18
2014-10-19	2014-10-19
2014-10-20	2014-10-20
2014-10-21	2014-10-21
2014-10-23	2014-10-23

2014-10-25	2014-10-25
2014-10-27	2014-10-27
2014-10-28	2014-10-28
2014-10-29	2014-10-29
2014-10-30	2014-10-30
2014-10-31	2014-10-31
2014-11-03	2014-11-03
2014-11-11	2014-11-11
2014-11-12	2014-11-12
2014-11-13	2014-11-13
2014-11-18	2014-11-18
2014-12-08	2014-12-08
2015-03-07	2015-03-07
2015-03-10	2015-03-10
2015-03-11	2015-03-11
2015-03-15	2015-03-15
2015-03-24	2015-03-24
2015-03-25	2015-03-25
2015-04-06	2015-04-06
2015-04-08	2015-04-08
2015-04-09	2015-04-09
2015-04-10	2015-04-10
2015-04-11	2015-04-11
2015-04-12	2015-04-12
2015-04-13	2015-04-13
2015-04-14	2015-04-14
2015-04-15	2015-04-15
2015-04-16	2015-04-16
2015-04-17	2015-04-17
2015-04-18	2015-04-18
2015-04-19	2015-04-19
2015-04-20	2015-04-20
2015-04-21	2015-04-21
2015-04-22	2015-04-22
2015-04-23	2015-04-23
2015-04-24	2015-04-24
2015-04-25	2015-04-25
2015-04-27	2015-04-27
2015-04-28	2015-04-28

2015-04-29	2015-04-29
2015-04-30	2015-04-30
2015-05-01	2015-05-01
2015-05-02	2015-05-02
2015-05-03	2015-05-03
2015-05-04	2015-05-04
2015-05-05	2015-05-05
2015-05-06	2015-05-06
2015-05-07	2015-05-07
2015-05-08	2015-05-08
2015-05-09	2015-05-09
2015-05-10	2015-05-10
2015-05-11	2015-05-11
2015-05-12	2015-05-12
2015-05-13	2015-05-13
2015-05-14	2015-05-14
2015-05-15	2015-05-15
2015-05-16	2015-05-16
2015-05-18	2015-05-18
2015-05-20	2015-05-20
2015-05-21	2015-05-21
2015-05-23	2015-05-23
2015-06-01	2015-06-01
2015-06-10	2015-06-10

Q241B: Q241 b.Type of product

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	Herbicide
2	Insecticide
3	Fungicide

4	Plant growth regulator, harvest aids,adjuvants

Q241C: Q241 c . Brand product name

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C241C: CODED VARIABLE - stringcode

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
confidential	confidential

C241CA1: CODED VARIABLE - active ingredient1

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
ALPHA-CYPERMETHRIN	ALPHA-CYPERMETHRIN
AZOXYSTROBIN	AZOXYSTROBIN

BEFLUBUTAMID	BEFLUBUTAMID
BIXAFEN	BIXAFEN
CARFENTRAZONE-E	CARFENTRAZONE-E
CHLOROTHALONIL	CHLOROTHALONIL
CHLOROTOLURON	CHLOROTOLURON
CYFLUFENAMIDE	CYFLUFENAMIDE
CYFLUTHRIN	CYFLUTHRIN
CYPERMETHRIN	CYPERMETHRIN
CYPRODINIL	CYPRODINIL
DELTAMETHRIN	DELTAMETHRIN
DIFLUFENIKAN	DIFLUFENIKAN
Do not know	Do not know
EPOXYCONAZOLE	EPOXYCONAZOLE
ESFENVALERATE	ESFENVALERATE
ETHEFON	ETHEFON
FENPROPIDIN	FENPROPIDIN
FLORASULAM	FLORASULAM
FLUFENACET	FLUFENACET
FLUOXASTROBIN	FLUOXASTROBIN
FLUROXYPYR	FLUROXYPYR
FLURTAMONE	FLURTAMONE
GAMMA-CIHALOTRIN	GAMMA-CIHALOTRIN
ISOPROTURON	ISOPROTURON
LAMBDA CYHALOTHRIN	LAMBDA CYHALOTHRIN
MCPA	MCPA
MEPIQUAT-KLORID	MEPIQUAT-KLORID
MESOSULFURON METHYL	MESOSULFURON METHYL
PENDIMETHALIN	PENDIMETHALIN
PINOXADEN	PINOXADEN
PROCHLORAZ	PROCHLORAZ
PROSULFOCARB	PROSULFOCARB
PROTHIOCONAZOLE?	PROTHIOCONAZOLE
QUARTZ	QUARTZ
TEBUCONAZOLE	TEBUCONAZOLE
TRINEXAPAC-E,	TRINEXAPAC-E,
ZETA-CIPERMETRIN	ZETA-CIPERMETRIN

C241CP1: CODED VARIABLE - amount of ai1

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 5 - 800 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
CHLOROTHALONIL	CHLOROTHALONIL
CLOQUINTOCET-MEXYL	CLOQUINTOCET-MEXYL
DIFLUFENIKAN	DIFLUFENIKAN
FENPROPIMORF	FENPROPIMORF
FLORASULAM	FLORASULAM
FLUFENACET	FLUFENACET
ISOPROTURON	ISOPROTURON
ISOPYRAZAM	ISOPYRAZAM
METSULFURON-METHYL	METSULFURON-METHYL

PENDIMETHALIN	PENDIMETHALIN
PENOXSULAM	PENOXSULAM
PICOLINAFEN	PICOLINAFEN
PICOXYSTROBINE	PICOXYSTROBINE
PROHEXADIONE-CALCIUM	PROHEXADIONE-CALCIUM
PROPICONAZOLE	PROPICONAZOLE
PROTHIOCONAZOLE?	PROTHIOCONAZOLE
SPYROXAMINE	SPYROXAMINE
TEBUCONAZOLE	TEBUCONAZOLE
TRIADIMENOL	TRIADIMENOL
TRIBUNERONE-METHYL	TRIBUNERONE-METHYL

C241CP2: CODED VARIABLE - amount of ai2

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 2.5 - 500 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
CLOPYRALID*	CLOPYRALID*
DIFLUFENIKAN	DIFLUFENIKAN
FLURTAMONE	FLURTAMONE
METRAFENONE	METRAFENONE
PENDIMETHALIN	PENDIMETHALIN
PYRACLOSTROBINE	PYRACLOSTROBINE
SPYROXAMINE	SPYROXAMINE

C241CP3: CODED VARIABLE - amount of ai3

Data file: Crop_protection

Overview

Valid: 0 Invalid: 0
Type: Continuous Decimal: 0 Width: 10 Range: 43 - 300 Format: Numeric

Q241D: CODED VARIABLE Q241 d. Dosage ?

Data file: Crop_protection

Overview

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

Q241E: CODED VARIABLE Q241 e. Unit of quantity

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	MILLILITER/HECT
2	GRAM/HECT

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
don't know	don't know

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

Data file: Crop_protection

Overview

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

Questions and instructions

CATEGORIES

Value	Category
1	No
2	Yes

HARVESTYEAR: Year in which the data was collected

Data file: Location

Overview

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

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
GermanyBarley1	GermanyBarley1

GROWERID: Unique identifier per grower

Data file: Location

Overview

Valid: 0 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 461001 - 462101 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

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
TH	TH

study_resources

questionnaires

2015 GGP Questionaire Master

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

reports

Enabling a set change in farm efficiency (productivity brochure)

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

The Good Growth Plan Progress Data - Productivity 2019

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