Codebook

Codebook for Dataset Survey wheat subset

A Collection of Variables focussing on the wheat production. The variables were collected in an online Survey on soil health practices of Swiss arable farmers. This subset only includes farms that produced bread wheat in the production season 2022/23.

Dataset name:	data_wheat
Dataset size:	344.5 Kb
Column count:	13
Row count:	2,217
Updated date:	2025-06-05

Column Attributes:

1	**Column name:**	**survey_id**

Column description:	Individual survey ID
Data type:	Character
Unique non-missing value count:	2,217
Missing value count:	0

Categories with Smallest Values	Frequency	Categories with Largest Values	Frequency
100	1	993	1
1000	1	994	1
1001	1	995	1
1002	1	996	1
1003	1	998	1

2	**Column name:**	**milling_wheat_production_standard**

Column description:	Production standard of milling wheat grown on the farm during the 2022/23 growing season [Factor]
Data type:	Factor
Unique non-missing value count:	4
Missing value count:	0

Categories	Frequency	Cumulative Frequency	Percent
ÖLN	749	749	33.78

IP-Suisse	1,062	1,811	47.90
Bio-Suisse	358	2,169	16.15
Demeter	48	2,217	2.17

3	**Column name:**	**milling_wheat_area_reported**
	Column description:	Area of milling wheat grown - reported by respondant [ha]
	Data type:	Numeric
	Unique non-missing value count:	396
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	19.72	4.50	7000.00	187.20

4	**Column name:**	**milling_wheat_yield**
	Column description:	Milling wheat yield in 2022/23 [dt/ha]
	Data type:	Numeric
	Unique non-missing value count:	134
	Missing value count:	0

Min	Mean	Median	Max	SD
10.00	60.05	60.00	160.00	13.28

5	**Column name:**	**milling_wheat_average_yield**
	Column description:	Milling wheat yield in preceding five growing seasons [dt/ha]
	Data type:	Numeric
	Unique non-missing value count:	86
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	61.08	60.00	160.00	12.24

6	**Column name:**	**milling_wheat_synthetic_fert**

Column description:		Quantity of synthetic fertiliser applied [kg N/ha]			
Data type:		Numeric			
Unique non-missing value count:		110			
Missing value count:		123			

Min	Mean	Median	Max	SD
0.00	81.27	92.00	250.00	52.67

7	**Column name:**	**milling_wheat_organic_fert**

Column description:		Quantity of organic fertiliser applied [kg N/ha]
Data type:		Numeric
Unique non-missing value count:		79
Missing value count:		123

Min	Mean	Median	Max	SD
0.00	42.02	35.00	250.00	37.12

8	**Column name:**	**milling_wheat_sowing_density**

Column description:		Sowing density of wheat [kg seed/ha]
Data type:		Numeric
Unique non-missing value count:		62
Missing value count:		2

Min	Mean	Median	Max	SD
50.00	182.61	180.00	280.00	26.43

9	**Column name:**	**milling_wheat_biostimulator_treats**

Column description:		Number of treatments with biostimulators [Average number/ha]
Data type:		Numeric
Unique non-missing value count:		6
Missing value count:		0

Min	Mean	Median	Max	SD
0.00	0.30	0.00	5.00	0.67

10	Column name:	milling_wheat_herbicide_treats		

Column description:	Number of treatments with herbicides [Average number/ha]			
Data type:	Numeric			
Unique non-missing value count:	5			
Missing value count:	0			

Min	Mean	Median	Max	SD
0.00	0.74	1.00	4.00	0.58

11	Column name:	milling_wheat_fungicide_treats		

Column description:	Number of treatments with fungicides [Average number/ha]			
Data type:	Numeric			
Unique non-missing value count:	6			
Missing value count:	0			

Min	Mean	Median	Max	SD
0.00	0.30	0.00	6.00	0.66

12	Column name:	milling_wheat_insecticide_treats		

Column description:	Number of treatments with insecticides [Average number/ha]			
Data type:	Numeric			
Unique non-missing value count:	3			
Missing value count:	0			

Categories	Frequency	Cumulative Frequency	Percent
0	2,144	2,144	96.71
1	65	2,209	2.93
2	8	2,217	0.36

13	Column name:	milling_wheat_pgr_treats		

Column description:	Number of treatments with plant growth regulators [Average number/ha]		
Data type:	Numeric		
Unique non-missing value count:	3		
Missing value count:	0		

Categories	Frequency	Cumulative Frequency	Percent
0	1,816	1,816	81.91
1	298	2,114	13.44
2	103	2,217	4.65