

## Codebook

### Codebook for Dataset Survey

A Collection of Variables from the conducted online Survey on soil health practices by Swiss arable farmers in the production season 2022/23

|                      |            |
|----------------------|------------|
| <b>Dataset name:</b> | data       |
| <b>Dataset size:</b> | 2.1 Mb     |
| <b>Column count:</b> | 141        |
| <b>Row count:</b>    | 2,728      |
| <b>Updated date:</b> | 2025-06-04 |

#### Column Attributes:

|          |                     |                  |
|----------|---------------------|------------------|
| <b>1</b> | <b>Column name:</b> | <b>survey_id</b> |
|----------|---------------------|------------------|

Column description: Individual survey ID

Data type: Character

Unique non-missing value count: 2,728

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         |

|          |                     |                      |
|----------|---------------------|----------------------|
| <b>2</b> | <b>Column name:</b> | <b>startlanguage</b> |
|----------|---------------------|----------------------|

Column description: Language

Data type: Factor

Unique non-missing value count: 2

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| fr         | 617       | 617                  | 22.62   |
| ge         | 2,111     | 2,728                | 77.38   |

|          |                     |                  |
|----------|---------------------|------------------|
| <b>3</b> | <b>Column name:</b> | <b>age_group</b> |
|----------|---------------------|------------------|

Column description: Age [Group]

Data type: Factor

Unique non-missing value count: 5

Missing value count: 3

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| 23 to 32   | 179       | 179                  | 6.56    |
| 33 to 42   | 653       | 832                  | 23.94   |
| 43 to 52   | 777       | 1,609                | 28.48   |
| 53 to 62   | 893       | 2,502                | 32.73   |
| 63 to 84   | 223       | 2,725                | 8.17    |
| Missing    | 3         | 2,728                | 0.11    |

|          |                     |               |
|----------|---------------------|---------------|
| <b>4</b> | <b>Column name:</b> | <b>gender</b> |
|----------|---------------------|---------------|

Column description: Gender

Data type: Ordered, factor

Unique non-missing value count: 3

Missing value count: 0

| Categories   | Frequency | Cumulative Frequency | Percent |
|--------------|-----------|----------------------|---------|
| Not Answered | 24        | 24                   | 0.88    |
| Male         | 2,566     | 2,590                | 94.06   |
| Female       | 138       | 2,728                | 5.06    |

|          |                     |                               |
|----------|---------------------|-------------------------------|
| <b>5</b> | <b>Column name:</b> | <b>years_experience_group</b> |
|----------|---------------------|-------------------------------|

Column description: Years of farming experience [Group]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 1

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| 0 to 5     | 449       | 449                  | 16.46   |

|          |     |       |       |
|----------|-----|-------|-------|
| 6 to 15  | 735 | 1,184 | 26.94 |
| 16 to 25 | 690 | 1,874 | 25.29 |
| 26 to 35 | 648 | 2,522 | 23.75 |
| 36 to 53 | 205 | 2,727 | 7.51  |
| Missing  | 1   | 2,728 | 0.04  |

| 6 | Column name:                    | sak                         |        |        |      |
|---|---------------------------------|-----------------------------|--------|--------|------|
|   | Column description:             | Full-time equivalents [FTE] |        |        |      |
|   | Data type:                      | Numeric                     |        |        |      |
|   | Unique non-missing value count: | 400                         |        |        |      |
|   | Missing value count:            | 6                           |        |        |      |
|   | Min                             | Mean                        | Median | Max    | SD   |
|   | 0.20                            | 2.36                        | 1.90   | 210.00 | 4.40 |

| 7                                     | Column name:                    | ag_educ                                  |         |
|---------------------------------------|---------------------------------|--|---------|
|                                       | Column description:             | Level of agricultural education [Factor] |         |
|                                       | Data type:                      | Ordered, factor                          |         |
|                                       | Unique non-missing value count: | 5  |         |
|                                       | Missing value count:            | 1  |         |
|                                       |                                 |  |         |
| Categories                            | Frequency                       | Cumulative Frequency                     | Percent |
| Minimum Required Qualifications       | 197                             | 197                                      | 7.22    |
| Agricultural Apprenticeship           | 991                             | 1,188                                    | 36.33   |
| Agricultural Technical Diploma        | 167                             | 1,355                                    | 6.12    |
| Agricultural Managerial Qualification | 1,185                           | 2,540                                    | 43.44   |
| Agricultural Academic Qualification   | 187                             | 2,727                                    | 6.85    |
| Missing                               | 1                               | 2,728                                    | 0.04    |

| 8 | Column name: |  | organic_scheme |  |  |
|---|--------------|--|----------------|--|--|
|---|--------------|--|----------------|--|--|

|                                 |  |
|---------------------------------|--|
| Column description:             | Participates in federal subsidy scheme for organic farming [Y/N] |
| Data type:                      | Ordered, factor  |
| Unique non-missing value count: | 3  |
| Missing value count:            | 0  |

| Categories   | Frequency | Cumulative Frequency | Percent |
|--------------|-----------|----------------------|---------|
| Not Answered | 2         | 2                    | 0.07    |
| No           | 2,257     | 2,259                | 82.73   |
| Yes          | 469       | 2,728                | 17.19   |

|          |                     |                          |
|----------|---------------------|--------------------------|
| <b>9</b> | <b>Column name:</b> | <b>soil_cover_scheme</b> |
|----------|---------------------|--------------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Participates in federal subsidy scheme for soil coverage [Y/N] |
| Data type:                      | Ordered, factor  |
| Unique non-missing value count: | 2  |
| Missing value count:            | 0  |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 730       | 730                  | 26.76   |
| Yes        | 1,998     | 2,728                | 73.24   |

|           |                     |                       |
|-----------|---------------------|-----------------------|
| <b>10</b> | <b>Column name:</b> | <b>tillage_scheme</b> |
|-----------|---------------------|-----------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Participates in federal subsidy scheme for reduced tillage [Y/N] |
| Data type:                      | Ordered, factor  |
| Unique non-missing value count: | 3  |
| Missing value count:            | 0  |

| Categories   | Frequency | Cumulative Frequency | Percent |
|--------------|-----------|----------------------|---------|
| Not Answered | 2         | 2                    | 0.07    |
| No           | 1,140     | 1,142                | 41.79   |
| Yes          | 1,586     | 2,728                | 58.14   |

|           |                     |                         |
|-----------|---------------------|-------------------------|
| <b>11</b> | <b>Column name:</b> | <b>herbicide_scheme</b> |
|-----------|---------------------|-------------------------|

| Column description:             | Participates in federal subsidy scheme for no herbicides [Y/N] |                      |         |
|---------------------------------|--|----------------------|---------|
| Data type:                      | Ordered, factor  |                      |         |
| Unique non-missing value count: | 2  |                      |         |
| Missing value count:            | 0  |                      |         |
| Categories                      | Frequency  | Cumulative Frequency | Percent |
| No                              | 1,537  | 1,537                | 56.34   |
| Yes                             | 1,191  | 2,728                | 43.66   |

|    |                                 |  |                      |         |
|----|---------------------------------|--|----------------------|---------|
| 12 | Column name:                    | pesticide_scheme   |                      |         |
|    | Column description:             | Participates in federal subsidy scheme for no pesticides [Y/N] |                      |         |
|    | Data type:                      | Ordered, factor  |                      |         |
|    | Unique non-missing value count: | 2  |                      |         |
|    | Missing value count:            | 0  |                      |         |
|    | Categories                      | Frequency  | Cumulative Frequency | Percent |
|    | No                              | 1,284  | 1,284                | 47.07   |
|    | Yes                             | 1,444  | 2,728                | 52.93   |

|    |                                 |   |                      |         |
|----|---------------------------------|---|----------------------|---------|
| 13 | Column name:                    | fertiliser_scheme   |                      |         |
|    | Column description:             | Participates in federal subsidy scheme for efficient nitrogen usage [Y/N] |                      |         |
|    | Data type:                      | Ordered, factor   |                      |         |
|    | Unique non-missing value count: | 2   |                      |         |
|    | Missing value count:            | 0   |                      |         |
|    | Categories                      | Frequency   | Cumulative Frequency | Percent |
|    | No                              | 1,653   | 1,653                | 60.59   |
|    | Yes                             | 1,075   | 2,728                | 39.41   |

|    |                     |  |
|----|---------------------|--|
| 14 | Column name:        | wider_row_scheme   |
|    | Column description: | Participates in federal subsidy scheme for wider rows in cereals [Y/N] |

Data type: Ordered, factor

Unique non-missing value count: 3

Missing value count: 0

| Categories   | Frequency | Cumulative Frequency | Percent |
|--------------|-----------|----------------------|---------|
| Not Answered | 2         | 2                    | 0.07    |
| No           | 2,104     | 2,106                | 77.13   |
| Yes          | 622       | 2,728                | 22.80   |

|           |                     |                                |
|-----------|---------------------|--------------------------------|
| <b>15</b> | <b>Column name:</b> | <b>protection_strip_scheme</b> |
|-----------|---------------------|--------------------------------|

Column description: Participates in federal subsidy scheme for beneficial protection strips [Y/N]

Data type: Ordered, factor

Unique non-missing value count: 3

Missing value count: 0

| Categories   | Frequency | Cumulative Frequency | Percent |
|--------------|-----------|----------------------|---------|
| Not Answered | 2         | 2                    | 0.07    |
| No           | 2,288     | 2,290                | 83.87   |
| Yes          | 438       | 2,728                | 16.06   |

|           |                     |                               |
|-----------|---------------------|-------------------------------|
| <b>16</b> | <b>Column name:</b> | <b>prec_application_schem</b> |
|-----------|---------------------|-------------------------------|

Column description: Participates in federal subsidy scheme for precision application technologies [Y/N]

Data type: Factor

Unique non-missing value count: 2

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 2,516     | 2,516                | 92.23   |
| Yes        | 212       | 2,728                | 7.77    |

|           |                     |                             |
|-----------|---------------------|-----------------------------|
| <b>17</b> | <b>Column name:</b> | <b>kantonal_scheme_soil</b> |
|-----------|---------------------|-----------------------------|

Column description: Participates in cantonal subsidy scheme targeting improved soil [Y/N]

Data type: Ordered, factor

Unique non-missing value count: 3

Missing value count: 0

| Categories   | Frequency | Cumulative Frequency | Percent |
|--------------|-----------|----------------------|---------|
| Not Answered | 2         | 2                    | 0.07    |
| No           | 2,519     | 2,521                | 92.34   |
| Yes          | 207       | 2,728                | 7.59    |

|           |                     |                               |
|-----------|---------------------|-------------------------------|
| <b>18</b> | <b>Column name:</b> | <b>kantonal_scheme_inputs</b> |
|-----------|---------------------|-------------------------------|

Column description: Participates in Cantonal subsidy scheme targeting reduced inputs [Y/N]

Data type: Ordered, factor

Unique non-missing value count: 2

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 2,442     | 2,442                | 89.52   |
| Yes        | 286       | 2,728                | 10.48   |

|           |                     |                                   |
|-----------|---------------------|-----------------------------------|
| <b>19</b> | <b>Column name:</b> | <b>kantonal_scheme_investment</b> |
|-----------|---------------------|-----------------------------------|

Column description: Participates in Cantonal subsidy scheme targeting investment in machinery [Y/N]

Data type: Ordered, factor

Unique non-missing value count: 2

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 2,578     | 2,578                | 94.50   |
| Yes        | 150       | 2,728                | 5.50    |

|           |                     |                        |
|-----------|---------------------|------------------------|
| <b>20</b> | <b>Column name:</b> | <b>strip_till_know</b> |
|-----------|---------------------|------------------------|

Column description: Percieved practical knowledge of strip tillage [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 299       | 299                  | 10.96   |
| Low        | 504       | 803                  | 18.48   |
| Medium     | 978       | 1,781                | 35.85   |
| High       | 722       | 2,503                | 26.47   |
| Very high  | 225       | 2,728                | 8.25    |

|           |                     |                        |
|-----------|---------------------|------------------------|
| <b>21</b> | <b>Column name:</b> | <b>mulch_till_know</b> |
|-----------|---------------------|------------------------|

Column description: Percieved practical knowledge of mulch tillage [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 185       | 185                  | 6.78    |
| Low        | 292       | 477                  | 10.70   |
| Medium     | 654       | 1,131                | 23.97   |
| High       | 1,070     | 2,201                | 39.22   |
| Very high  | 527       | 2,728                | 19.32   |

|           |                     |                       |
|-----------|---------------------|-----------------------|
| <b>22</b> | <b>Column name:</b> | <b>zero_till_know</b> |
|-----------|---------------------|-----------------------|

Column description: Percieved practical knowledge of zero tillage [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 328       | 328                  | 12.02   |
| Low        | 644       | 972                  | 23.61   |
| Medium     | 952       | 1,924                | 34.90   |



|           |     |       |       |
|-----------|-----|-------|-------|
| High      | 591 | 2,515 | 21.66 |
| Very high | 213 | 2,728 | 7.81  |

|           |                     |                          |
|-----------|---------------------|--------------------------|
| <b>23</b> | <b>Column name:</b> | <b>contour_till_know</b> |
|-----------|---------------------|--------------------------|

Column description: Percieved practical knowledge of contour farming [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 766       | 766                  | 28.08   |
| Low        | 646       | 1,412                | 23.68   |
| Medium     | 650       | 2,062                | 23.83   |
| High       | 509       | 2,571                | 18.66   |
| Very high  | 157       | 2,728                | 5.76    |

|           |                     |                        |
|-----------|---------------------|------------------------|
| <b>24</b> | <b>Column name:</b> | <b>subsoiling_know</b> |
|-----------|---------------------|------------------------|

Column description: Percieved practical knowledge of deep non-inversion tillage [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 462       | 462                  | 16.94   |
| Low        | 663       | 1,125                | 24.30   |
| Medium     | 827       | 1,952                | 30.32   |
| High       | 591       | 2,543                | 21.66   |
| Very high  | 185       | 2,728                | 6.78    |

|           |                     |                 |
|-----------|---------------------|-----------------|
| <b>25</b> | <b>Column name:</b> | <b>ctf_know</b> |
|-----------|---------------------|-----------------|

Column description: Percieved practical knowledge of controlled traffic farming [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 1,176     | 1,176                | 43.11   |
| Low        | 878       | 2,054                | 32.18   |
| Medium     | 444       | 2,498                | 16.28   |
| High       | 173       | 2,671                | 6.34    |
| Very high  | 57        | 2,728                | 2.09    |

|           |                     |                      |
|-----------|---------------------|----------------------|
| <b>26</b> | <b>Column name:</b> | <b>mulching_know</b> |
|-----------|---------------------|----------------------|

Column description: Percieved practical knowledge of mechanical mulching [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 131       | 131                  | 4.80    |
| Low        | 225       | 356                  | 8.25    |
| Medium     | 756       | 1,112                | 27.71   |
| High       | 1,214     | 2,326                | 44.50   |
| Very high  | 402       | 2,728                | 14.74   |

|           |                     |                      |
|-----------|---------------------|----------------------|
| <b>27</b> | <b>Column name:</b> | <b>undersow_know</b> |
|-----------|---------------------|----------------------|

Column description: Percieved practical knowledge of undersowing [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 557       | 557                  | 20.42   |
| Low        | 902       | 1,459                | 33.06   |

|           |     |       |       |
|-----------|-----|-------|-------|
| Medium    | 773 | 2,232 | 28.34 |
| High      | 380 | 2,612 | 13.93 |
| Very high | 116 | 2,728 | 4.25  |

| 28 | Column name:                    | cover_crop_know                                       |                      |         |
|----|---------------------------------|---|----------------------|---------|
|    | Column description:             | Percieved practical knowledge of cover crops [Factor] |                      |         |
|    | Data type:                      | Ordered, factor                                       |                      |         |
|    | Unique non-missing value count: | 5   |                      |         |
|    | Missing value count:            | 0   |                      |         |
|    | Categories                      | Frequency   | Cumulative Frequency | Percent |
|    | Very low                        | 54  | 54                   | 1.98    |
|    | Low                             | 129   | 183                  | 4.73    |
|    | Medium                          | 467   | 650                  | 17.12   |
|    | High                            | 1,321   | 1,971                | 48.42   |
|    | Very high                       | 757   | 2,728                | 27.75   |

| 29 | Column name:                    | biochar_know  |                      |         |
|----|---------------------------------|---|----------------------|---------|
|    | Column description:             | Percieved practical knowledge of biochar application [Factor] |                      |         |
|    | Data type:                      | Ordered, factor   |                      |         |
|    | Unique non-missing value count: | 5   |                      |         |
|    | Missing value count:            | 0   |                      |         |
|    | Categories                      | Frequency   | Cumulative Frequency | Percent |
|    | Very low                        | 1,515   | 1,515                | 55.54   |
|    | Low                             | 698   | 2,213                | 25.59   |
|    | Medium                          | 294   | 2,507                | 10.78   |
|    | High                            | 157   | 2,664                | 5.76    |
|    | Very high                       | 64  | 2,728                | 2.35    |

| 30 | Column name: | compost_know |  |  |
|----|--------------|--------------|--|--|
|----|--------------|--------------|--|--|

|                                 |   |
|---------------------------------|---|
| Column description:             | Percieved practical knowledge of compost application [Factor] |
| Data type:                      | Ordered, factor   |
| Unique non-missing value count: | 5   |
| Missing value count:            | 0   |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 665       | 665                  | 24.38   |
| Low        | 613       | 1,278                | 22.47   |
| Medium     | 746       | 2,024                | 27.35   |
| High       | 497       | 2,521                | 18.22   |
| Very high  | 207       | 2,728                | 7.59    |

|           |                     |                                 |
|-----------|---------------------|---------------------------------|
| <b>31</b> | <b>Column name:</b> | <b>soil_condition_test_know</b> |
|-----------|---------------------|---------------------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Percieved practical knowledge of soil condition testing [Factor] |
| Data type:                      | Ordered, factor  |
| Unique non-missing value count: | 5  |
| Missing value count:            | 0  |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| Very low   | 61        | 61                   | 2.24    |
| Low        | 173       | 234                  | 6.34    |
| Medium     | 683       | 917                  | 25.04   |
| High       | 1,237     | 2,154                | 45.34   |
| Very high  | 574       | 2,728                | 21.04   |

|           |                     |                              |
|-----------|---------------------|------------------------------|
| <b>32</b> | <b>Column name:</b> | <b>strip_till_in_network</b> |
|-----------|---------------------|------------------------------|

|                                 |   |
|---------------------------------|---|
| Column description:             | Network adoption of strip tillage [Y/N] |
| Data type:                      | Factor                                  |
| Unique non-missing value count: | 2                                       |
| Missing value count:            | 0                                       |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
|------------|-----------|----------------------|---------|

|     |       |       |       |
|-----|-------|-------|-------|
| No  | 200   | 200   | 7.33  |
| Yes | 2,528 | 2,728 | 92.67 |

|           |                     |                              |
|-----------|---------------------|------------------------------|
| <b>33</b> | <b>Column name:</b> | <b>mulch_till_in_network</b> |
|-----------|---------------------|------------------------------|

|                                 |   |
|---------------------------------|---|
| Column description:             | Network adoption of mulch tillage [Y/N] |
| Data type:                      | Factor                                  |
| Unique non-missing value count: | 2                                       |
| Missing value count:            | 0                                       |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 255       | 255                  | 9.35    |
| Yes        | 2,473     | 2,728                | 90.65   |

|           |                     |                             |
|-----------|---------------------|-----------------------------|
| <b>34</b> | <b>Column name:</b> | <b>zero_till_in_network</b> |
|-----------|---------------------|-----------------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Network adoption of zero tillage [Y/N] |
| Data type:                      | Factor                                 |
| Unique non-missing value count: | 2                                      |
| Missing value count:            | 0                                      |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 252       | 252                  | 9.24    |
| Yes        | 2,476     | 2,728                | 90.76   |

|           |                     |                                |
|-----------|---------------------|--------------------------------|
| <b>35</b> | <b>Column name:</b> | <b>contour_till_in_network</b> |
|-----------|---------------------|--------------------------------|

|                                 |   |
|---------------------------------|---|
| Column description:             | Network adoption of contour farming [Y/N] |
| Data type:                      | Factor                                    |
| Unique non-missing value count: | 2   |
| Missing value count:            | 0   |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 1,655     | 1,655                | 60.67   |
| Yes        | 1,073     | 2,728                | 39.33   |

|           |                     |                              |
|-----------|---------------------|------------------------------|
| <b>36</b> | <b>Column name:</b> | <b>subsoiling_in_network</b> |
|-----------|---------------------|------------------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Network adoption of deep non-inversion tillage [Y/N] |
| Data type:                      | Factor   |
| Unique non-missing value count: | 2  |
| Missing value count:            | 0  |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 995       | 995                  | 36.47   |
| Yes        | 1,733     | 2,728                | 63.53   |

|           |                     |                       |
|-----------|---------------------|-----------------------|
| <b>37</b> | <b>Column name:</b> | <b>ctf_in_network</b> |
|-----------|---------------------|-----------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Network adoption of controlled traffic farming [Y/N] |
| Data type:                      | Factor   |
| Unique non-missing value count: | 2  |
| Missing value count:            | 0  |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 2,197     | 2,197                | 80.54   |
| Yes        | 531       | 2,728                | 19.46   |

|           |                     |                            |
|-----------|---------------------|----------------------------|
| <b>38</b> | <b>Column name:</b> | <b>mulching_in_network</b> |
|-----------|---------------------|----------------------------|

|                                 |   |
|---------------------------------|---|
| Column description:             | Network adoption of mechanical mulching [Y/N] |
| Data type:                      | Factor  |
| Unique non-missing value count: | 2   |
| Missing value count:            | 0   |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 175       | 175                  | 6.41    |
| Yes        | 2,553     | 2,728                | 93.59   |

|           |                     |                            |
|-----------|---------------------|----------------------------|
| <b>39</b> | <b>Column name:</b> | <b>undersow_in_network</b> |
|-----------|---------------------|----------------------------|

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Column description:             | Network adoption of undersowing [Y/N] |
| Data type:                      | Factor                                |
| Unique non-missing value count: | 2                                     |

| Missing value count: | 0         |                      |         |
|----------------------|-----------|----------------------|---------|
| Categories           | Frequency | Cumulative Frequency | Percent |
| No                   | 649       | 649                  | 23.79   |
| Yes                  | 2,079     | 2,728                | 76.21   |

| 40 | Column name:                    | cover_crop_in_network                 |                      |
|----|---------------------------------|---------------------------------------|----------------------|
|    | Column description:             | Network adoption of cover crops [Y/N] |                      |
|    | Data type:                      | Factor                                |                      |
|    | Unique non-missing value count: | 2                                     |                      |
|    | Missing value count:            | 0                                     |                      |
|    | Categories                      | Frequency                             | Cumulative Frequency |
|    | No                              | 45                                    | 45                   |
|    | Yes                             | 2,683                                 | 2,728                |
|    |                                 |                                       | Percent              |
|    | No                              | 1.65                                  |                      |
|    | Yes                             | 98.35                                 |                      |

| 41 | Column name:                    | biochar_in_network                            |                      |
|----|---------------------------------|---|----------------------|
|    | Column description:             | Network adoption of biochar application [Y/N] |                      |
|    | Data type:                      | Factor  |                      |
|    | Unique non-missing value count: | 2   |                      |
|    | Missing value count:            | 0   |                      |
|    | Categories                      | Frequency                                     | Cumulative Frequency |
|    | No                              | 1,961   | 1,961                |
|    | Yes                             | 767   | 2,728                |
|    |                                 |   | Percent              |
|    | No                              | 71.88   |                      |
|    | Yes                             | 28.12   |                      |

| 42 | Column name:                    | compost_in_network                            |                      |
|----|---------------------------------|---|----------------------|
|    | Column description:             | Network adoption of compost application [Y/N] |                      |
|    | Data type:                      | Factor  |                      |
|    | Unique non-missing value count: | 2   |                      |
|    | Missing value count:            | 0   |                      |
|    | Categories                      | Frequency                                     | Cumulative Frequency |
|    | No                              | 385   | 385                  |
|    |                                 |   | Percent              |
|    | No                              | 14.11   |                      |

|     |       |       |       |
|-----|-------|-------|-------|
| Yes | 2,343 | 2,728 | 85.89 |
|-----|-------|-------|-------|

|           |                     |                                       |
|-----------|---------------------|---------------------------------------|
| <b>43</b> | <b>Column name:</b> | <b>soil_condition_test_in_network</b> |
|-----------|---------------------|---------------------------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Network adoption of soil condition testing [Y/N] |
| Data type:                      | Factor   |
| Unique non-missing value count: | 2  |
| Missing value count:            | 0  |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 449       | 449                  | 16.46   |
| Yes        | 2,279     | 2,728                | 83.54   |

|           |                     |                             |
|-----------|---------------------|-----------------------------|
| <b>44</b> | <b>Column name:</b> | <b>strip_till_ever_used</b> |
|-----------|---------------------|-----------------------------|

|                                 |                                  |
|---------------------------------|----------------------------------|
| Column description:             | Ever adopted strip tillage [Y/N] |
| Data type:                      | Factor                           |
| Unique non-missing value count: | 2                                |
| Missing value count:            | 0                                |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 1,242     | 1,242                | 45.53   |
| Yes        | 1,486     | 2,728                | 54.47   |

|           |                     |                             |
|-----------|---------------------|-----------------------------|
| <b>45</b> | <b>Column name:</b> | <b>mulch_till_ever_used</b> |
|-----------|---------------------|-----------------------------|

|                                 |                                  |
|---------------------------------|----------------------------------|
| Column description:             | Ever adopted mulch tillage [Y/N] |
| Data type:                      | Factor                           |
| Unique non-missing value count: | 2                                |
| Missing value count:            | 0                                |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 652       | 652                  | 23.90   |
| Yes        | 2,076     | 2,728                | 76.10   |

|           |                     |                            |
|-----------|---------------------|----------------------------|
| <b>46</b> | <b>Column name:</b> | <b>zero_till_ever_used</b> |
|-----------|---------------------|----------------------------|

|                     |                                 |
|---------------------|---------------------------------|
| Column description: | Ever adopted zero tillage [Y/N] |
|---------------------|---------------------------------|



Data type: Factor

Unique non-missing value count: 2

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 1,153     | 1,153                | 42.27   |
| Yes        | 1,575     | 2,728                | 57.73   |

|           |                     |                               |
|-----------|---------------------|-------------------------------|
| <b>47</b> | <b>Column name:</b> | <b>contour_till_ever_used</b> |
|-----------|---------------------|-------------------------------|

Column description: Ever adopted contour farming [Y/N]

Data type: Factor

Unique non-missing value count: 2

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 1,802     | 1,802                | 66.06   |
| Yes        | 926       | 2,728                | 33.94   |

|           |                     |                             |
|-----------|---------------------|-----------------------------|
| <b>48</b> | <b>Column name:</b> | <b>subsoiling_ever_used</b> |
|-----------|---------------------|-----------------------------|

Column description: Ever adopted deep non-inversion tillage [Y/N]

Data type: Factor

Unique non-missing value count: 2

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 1,392     | 1,392                | 51.03   |
| Yes        | 1,336     | 2,728                | 48.97   |

|           |                     |                      |
|-----------|---------------------|----------------------|
| <b>49</b> | <b>Column name:</b> | <b>ctf_ever_used</b> |
|-----------|---------------------|----------------------|

Column description: Ever adopted controlled traffic farming [Y/N]

Data type: Factor

Unique non-missing value count: 2

Missing value count: 0

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 2,489     | 2,489                | 91.24   |
| Yes        | 239       | 2,728                | 8.76    |

|           |                     |                           |
|-----------|---------------------|---------------------------|
| <b>50</b> | <b>Column name:</b> | <b>mulching_ever_used</b> |
|-----------|---------------------|---------------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Ever adopted mechanical mulching [Y/N] |
| Data type:                      | Factor                                 |
| Unique non-missing value count: | 2                                      |
| Missing value count:            | 0                                      |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 304       | 304                  | 11.14   |
| Yes        | 2,424     | 2,728                | 88.86   |

|           |                     |                           |
|-----------|---------------------|---------------------------|
| <b>51</b> | <b>Column name:</b> | <b>undersow_ever_used</b> |
|-----------|---------------------|---------------------------|

|                                 |                                |
|---------------------------------|--------------------------------|
| Column description:             | Ever adopted undersowing [Y/N] |
| Data type:                      | Factor                         |
| Unique non-missing value count: | 2                              |
| Missing value count:            | 0                              |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 1,667     | 1,667                | 61.11   |
| Yes        | 1,061     | 2,728                | 38.89   |

|           |                     |                             |
|-----------|---------------------|-----------------------------|
| <b>52</b> | <b>Column name:</b> | <b>cover_crop_ever_used</b> |
|-----------|---------------------|-----------------------------|

|                                 |                                |
|---------------------------------|--------------------------------|
| Column description:             | Ever adopted cover crops [Y/N] |
| Data type:                      | Factor                         |
| Unique non-missing value count: | 2                              |
| Missing value count:            | 0                              |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 148       | 148                  | 5.43    |
| Yes        | 2,580     | 2,728                | 94.57   |

| <b>53</b> | <b>Column name:</b>             | <b>biochar_ever_used</b>               |                      |         |
|-----------|---------------------------------|--|----------------------|---------|
|           | Column description:             | Ever adopted biochar application [Y/N] |                      |         |
|           | Data type:                      | Factor                                 |                      |         |
|           | Unique non-missing value count: | 2                                      |                      |         |
|           | Missing value count:            | 0                                      |                      |         |
|           | Categories                      | Frequency                              | Cumulative Frequency | Percent |
|           | No                              | 2,395                                  | 2,395                | 87.79   |
|           | Yes                             | 333                                    | 2,728                | 12.21   |

  

| <b>54</b> | <b>Column name:</b>             | <b>compost_ever_used</b>               |                      |         |
|-----------|---------------------------------|--|----------------------|---------|
|           | Column description:             | Ever adopted compost application [Y/N] |                      |         |
|           | Data type:                      | Factor                                 |                      |         |
|           | Unique non-missing value count: | 2                                      |                      |         |
|           | Missing value count:            | 0                                      |                      |         |
|           | Categories                      | Frequency                              | Cumulative Frequency | Percent |
|           | No                              | 1,328                                  | 1,328                | 48.68   |
|           | Yes                             | 1,400                                  | 2,728                | 51.32   |

  

| <b>55</b> | <b>Column name:</b>             | <b>soil_condition_test_ever_used</b>      |                      |         |
|-----------|---------------------------------|---|----------------------|---------|
|           | Column description:             | Ever adopted soil condition testing [Y/N] |                      |         |
|           | Data type:                      | Factor                                    |                      |         |
|           | Unique non-missing value count: | 2   |                      |         |
|           | Missing value count:            | 0   |                      |         |
|           | Categories                      | Frequency                                 | Cumulative Frequency | Percent |
|           | No                              | 423                                       | 423                  | 15.51   |
|           | Yes                             | 2,305                                     | 2,728                | 84.49   |

  

|           |                     |   |  |  |
|-----------|---------------------|---|--|--|
| <b>56</b> | <b>Column name:</b> | <b>strip_till_use</b>                                     |  |  |
|           | Column description: | Extent of strip tillage usage on arable land in 22/23 [%] |  |  |
|           | Data type:          | Numeric   |  |  |

|                                 |      |        |        |       |
|---------------------------------|------|--------|--------|-------|
| Unique non-missing value count: | 20   |        |        |       |
| Missing value count:            | 0    |        |        |       |
| <hr/>                           |      |        |        |       |
| Min                             | Mean | Median | Max    | SD    |
| <hr/>                           |      |        |        |       |
| 0.00                            | 7.28 | 0.00   | 100.00 | 15.74 |

|    |                                 |   |        |        |       |
|----|---------------------------------|---|--------|--------|-------|
| 57 | Column name:                    | mulch_till_use  |        |        |       |
|    | Column description:             | Extent of mulch tillage usage on arable land in 22/23 [%] |        |        |       |
|    | Data type:                      | Numeric   |        |        |       |
|    | Unique non-missing value count: | 21  |        |        |       |
|    | Missing value count:            | 0   |        |        |       |
|    | Min                             | Mean  | Median | Max    | SD    |
|    | 0.00                            | 36.81   | 30.00  | 100.00 | 34.31 |

|    |                                 |  |        |        |       |
|----|---------------------------------|--|--------|--------|-------|
| 58 | Column name:                    | zero_till_use  |        |        |       |
|    | Column description:             | Extent of zero tillage usage on arable land in 22/23 [%] |        |        |       |
|    | Data type:                      | Numeric  |        |        |       |
|    | Unique non-missing value count: | 21   |        |        |       |
|    | Missing value count:            | 0  |        |        |       |
|    | Min                             | Mean   | Median | Max    | SD    |
|    | 0.00                            | 10.52  | 0.00   | 100.00 | 21.85 |

| 59 | Column name:                    | contour_till_use  |        |        |       |
|----|---------------------------------|---|--------|--------|-------|
|    | Column description:             | Extent of contour farming usage on arable land in 22/23 [%] |        |        |       |
|    | Data type:                      | Numeric   |        |        |       |
|    | Unique non-missing value count: | 21  |        |        |       |
|    | Missing value count:            | 0   |        |        |       |
|    | Min                             | Mean  | Median | Max    | SD    |
|    | 0.00                            | 15.24   | 0.00   | 100.00 | 30.29 |

|           |                     |                       |
|-----------|---------------------|-----------------------|
| <b>60</b> | <b>Column name:</b> | <b>subsoiling_use</b> |
|-----------|---------------------|-----------------------|

|                                 |  |        |        |       |
|---------------------------------|--|--------|--------|-------|
| Column description:             | Extent of deep non-inversion tillage usage on arable land in 22/23 [%] |        |        |       |
| Data type:                      | Numeric  |        |        |       |
| Unique non-missing value count: | 21   |        |        |       |
| Missing value count:            | 0  |        |        |       |
| Min                             | Mean   | Median | Max    | SD    |
| 0.00                            | 12.52  | 0.00   | 100.00 | 23.40 |

|           |                     |                |
|-----------|---------------------|----------------|
| <b>61</b> | <b>Column name:</b> | <b>ctf_use</b> |
|-----------|---------------------|----------------|

|                                 |  |        |        |       |
|---------------------------------|--|--------|--------|-------|
| Column description:             | Extent of controlled traffic farming usage on arable land in 22/23 [%] |        |        |       |
| Data type:                      | Numeric  |        |        |       |
| Unique non-missing value count: | 21   |        |        |       |
| Missing value count:            | 0  |        |        |       |
| Min                             | Mean   | Median | Max    | SD    |
| 0.00                            | 3.99   | 0.00   | 100.00 | 16.84 |

|           |                     |                     |
|-----------|---------------------|---------------------|
| <b>62</b> | <b>Column name:</b> | <b>mulching_use</b> |
|-----------|---------------------|---------------------|

|                                 |   |        |        |       |
|---------------------------------|---|--------|--------|-------|
| Column description:             | Extent of mechanical mulching usage on arable land in 22/23 [%] |        |        |       |
| Data type:                      | Numeric   |        |        |       |
| Unique non-missing value count: | 21  |        |        |       |
| Missing value count:            | 0   |        |        |       |
| Min                             | Mean  | Median | Max    | SD    |
| 0.00                            | 31.78   | 25.00  | 100.00 | 28.03 |

|           |                     |                     |
|-----------|---------------------|---------------------|
| <b>63</b> | <b>Column name:</b> | <b>undersow_use</b> |
|-----------|---------------------|---------------------|

|                                 |   |  |  |  |
|---------------------------------|---|--|--|--|
| Column description:             | Extent of undersowing usage on arable land in 22/23 [%] |  |  |  |
| Data type:                      | Numeric   |  |  |  |
| Unique non-missing value count: | 21  |  |  |  |

|                      |      |        |        |       |
|----------------------|------|--------|--------|-------|
| Missing value count: |      | 0      |        |       |
| Min                  | Mean | Median | Max    | SD    |
| 0.00                 | 6.24 | 0.00   | 100.00 | 15.64 |

|           |                     |                       |
|-----------|---------------------|-----------------------|
| <b>64</b> | <b>Column name:</b> | <b>cover_crop_use</b> |
|-----------|---------------------|-----------------------|

|                                 |       |   |        |       |
|---------------------------------|-------|---|--------|-------|
| Column description:             |       | Extent of cover crops usage on arable land in 22/23 [%] |        |       |
| Data type:                      |       | Numeric   |        |       |
| Unique non-missing value count: |       | 21  |        |       |
| Missing value count:            |       | 0   |        |       |
| Min                             | Mean  | Median  | Max    | SD    |
| 0.00                            | 44.22 | 40.00   | 100.00 | 31.47 |

|           |                     |                    |
|-----------|---------------------|--------------------|
| <b>65</b> | <b>Column name:</b> | <b>biochar_use</b> |
|-----------|---------------------|--------------------|

|                                 |      |   |        |       |
|---------------------------------|------|---|--------|-------|
| Column description:             |      | Extent of biochar application usage on arable land in 22/23 [%] |        |       |
| Data type:                      |      | Numeric   |        |       |
| Unique non-missing value count: |      | 20  |        |       |
| Missing value count:            |      | 0   |        |       |
| Min                             | Mean | Median  | Max    | SD    |
| 0.00                            | 3.43 | 0.00  | 100.00 | 14.99 |

|           |                     |                    |
|-----------|---------------------|--------------------|
| <b>66</b> | <b>Column name:</b> | <b>compost_use</b> |
|-----------|---------------------|--------------------|

|                                 |       |   |        |       |
|---------------------------------|-------|---|--------|-------|
| Column description:             |       | Extent of compost application usage on arable land in 22/23 [%] |        |       |
| Data type:                      |       | Numeric   |        |       |
| Unique non-missing value count: |       | 21  |        |       |
| Missing value count:            |       | 0   |        |       |
| Min                             | Mean  | Median  | Max    | SD    |
| 0.00                            | 11.75 | 0.00  | 100.00 | 22.66 |

|           |                     |                                |
|-----------|---------------------|--------------------------------|
| <b>67</b> | <b>Column name:</b> | <b>soil_condition_test_use</b> |
|-----------|---------------------|--------------------------------|

|                                 |  |        |        |       |
|---------------------------------|--|--------|--------|-------|
| Column description:             | Extent of soil condition testing usage on arable land in 22/23 [%] |        |        |       |
| Data type:                      | Numeric  |        |        |       |
| Unique non-missing value count: | 21   |        |        |       |
| Missing value count:            | 0  |        |        |       |
| Min                             | Mean   | Median | Max    | SD    |
| 0.00                            | 52.51  | 50.00  | 100.00 | 41.04 |

| 68 | Column name:                    | strip_till_freq_used   |        |       |      |
|----|---------------------------------|--|--------|-------|------|
|    | Column description:             | Number of years strip tillage used in last 10 [No./10 years] |        |       |      |
|    | Data type:                      | Numeric  |        |       |      |
|    | Unique non-missing value count: | 11   |        |       |      |
|    | Missing value count:            | 0  |        |       |      |
|    | Min                             | Mean   | Median | Max   | SD   |
|    | 0.00                            | 2.16   | 0.00   | 10.00 | 3.26 |

| 69 | Column name:                    | mulch_till_freq_used   |        |       |      |
|----|---------------------------------|--|--------|-------|------|
|    | Column description:             | Number of years mulch tillage used in last 10 [No./10 years] |        |       |      |
|    | Data type:                      | Numeric  |        |       |      |
|    | Unique non-missing value count: | 11   |        |       |      |
|    | Missing value count:            | 0  |        |       |      |
|    | Min                             | Mean   | Median | Max   | SD   |
|    | 0.00                            | 5.64   | 7.00   | 10.00 | 4.35 |

|    |                                 |   |
|----|---------------------------------|---|
| 70 | Column name:                    | zero_till_freq_used   |
|    | Column description:             | Number of years zero tillage used in last 10 [No./10 years] |
|    | Data type:                      | Numeric   |
|    | Unique non-missing value count: | 11  |
|    | Missing value count:            | 0   |

| Min  | Mean | Median | Max   | SD   |
|------|------|--------|-------|------|
| 0.00 | 2.05 | 0.00   | 10.00 | 3.13 |

| 71 | Column name: | contour_till_freq_used |
|----|--------------|------------------------|
|----|--------------|------------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Number of years contour farming used in last 10 [No./10 years] |
| Data type:                      | Numeric  |
| Unique non-missing value count: | 11   |
| Missing value count:            | 0  |

| Min  | Mean | Median | Max   | SD   |
|------|------|--------|-------|------|
| 0.00 | 2.43 | 0.00   | 10.00 | 4.02 |

| 72 | Column name: | subsoiling_freq_used |
|----|--------------|----------------------|
|----|--------------|----------------------|

|                                 |   |
|---------------------------------|---|
| Column description:             | Number of years deep non-inversion tillage used in last 10 [No./10 years] |
| Data type:                      | Numeric   |
| Unique non-missing value count: | 11  |
| Missing value count:            | 0   |

| Min  | Mean | Median | Max   | SD   |
|------|------|--------|-------|------|
| 0.00 | 2.26 | 0.00   | 10.00 | 3.40 |

| 73 | Column name: | ctf_freq_used |
|----|--------------|---------------|
|----|--------------|---------------|

|                                 |   |
|---------------------------------|---|
| Column description:             | Number of years controlled traffic farming used in last 10 [No./10 years] |
| Data type:                      | Numeric   |
| Unique non-missing value count: | 11  |
| Missing value count:            | 0   |

| Min  | Mean | Median | Max   | SD   |
|------|------|--------|-------|------|
| 0.00 | 0.38 | 0.00   | 10.00 | 1.60 |

| 74 | Column name: | mulching_freq_used |
|----|--------------|--------------------|
|----|--------------|--------------------|



|                                 |  |        |       |      |
|---------------------------------|--|--------|-------|------|
| Column description:             | Number of years mechanical mulching used in last 10 [No./10 years] |        |       |      |
| Data type:                      | Numeric  |        |       |      |
| Unique non-missing value count: | 11   |        |       |      |
| Missing value count:            | 0  |        |       |      |
| Min                             | Mean   | Median | Max   | SD   |
| 0.00                            | 6.28   | 7.00   | 10.00 | 3.86 |

| 75 | Column name:                    | undersow_freq_used   |        |       |      |
|----|---------------------------------|--|--------|-------|------|
|    | Column description:             | Number of years undersowing used in last 10 [No./10 years] |        |       |      |
|    | Data type:                      | Numeric  |        |       |      |
|    | Unique non-missing value count: | 11   |        |       |      |
|    | Missing value count:            | 0  |        |       |      |
|    | Min                             | Mean   | Median | Max   | SD   |
|    | 0.00                            | 1.13   | 0.00   | 10.00 | 2.15 |

| 76 | Column name:                    | cover_crop_freq_used                                       |        |       |      |
|----|---------------------------------|--|--------|-------|------|
|    | Column description:             | Number of years cover crops used in last 10 [No./10 years] |        |       |      |
|    | Data type:                      | Numeric  |        |       |      |
|    | Unique non-missing value count: | 11   |        |       |      |
|    | Missing value count:            | 0  |        |       |      |
|    | Min                             | Mean   | Median | Max   | SD   |
|    | 0.00                            | 7.49   | 10.00  | 10.00 | 3.63 |

|    |                                 |  |
|----|---------------------------------|--|
| 77 | Column name:                    | biochar_freq_used  |
|    | Column description:             | Number of years biochar application used in last 10 [No./10 years] |
|    | Data type:                      | Numeric  |
|    | Unique non-missing value count: | 10   |
|    | Missing value count:            | 0  |

| Min  | Mean | Median | Max   | SD   |
|------|------|--------|-------|------|
| 0.00 | 0.35 | 0.00   | 10.00 | 1.23 |

| 78 | Column name: | compost_freq_used |
|----|--------------|-------------------|
|----|--------------|-------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Number of years compost application used in last 10 [No./10 years] |
| Data type:                      | Numeric  |
| Unique non-missing value count: | 11   |
| Missing value count:            | 0  |

| Min  | Mean | Median | Max   | SD   |
|------|------|--------|-------|------|
| 0.00 | 2.53 | 0.00   | 10.00 | 3.59 |

| 79 | Column name: | soil_condition_test_freq_used |
|----|--------------|-------------------------------|
|----|--------------|-------------------------------|

|                                 |   |
|---------------------------------|---|
| Column description:             | Number of years soil condition testing used in last 10 [No./10 years] |
| Data type:                      | Numeric   |
| Unique non-missing value count: | 11  |
| Missing value count:            | 0   |

| Min  | Mean | Median | Max   | SD   |
|------|------|--------|-------|------|
| 0.00 | 6.54 | 10.00  | 10.00 | 4.09 |

| 80 | Column name: | milling_wheat_grow |
|----|--------------|--------------------|
|----|--------------|--------------------|

|                                 |                           |
|---------------------------------|---------------------------|
| Column description:             | Grows milling wheat [Y/N] |
| Data type:                      | Factor                    |
| Unique non-missing value count: | 2                         |
| Missing value count:            | 0                         |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 510       | 510                  | 18.70   |
| Yes        | 2,218     | 2,728                | 81.30   |

| 81 | Column name: | milling_wheat_area |
|----|--------------|--------------------|
|----|--------------|--------------------|

|                                 |       |   |         |        |
|---------------------------------|-------|---|---------|--------|
| Column description:             |       | Self-reported area under milling wheat [ha] |         |        |
| Data type:                      |       | Numeric                                     |         |        |
| Unique non-missing value count: |       | 396   |         |        |
| Missing value count:            |       | 510   |         |        |
| Min                             | Mean  | Median                                      | Max     | SD     |
| 0.00                            | 19.71 | 4.50  | 7000.00 | 187.16 |

| 82 | Column name:                    | arable_area_share_rent          |        |        |       |
|----|---------------------------------|---------------------------------|--------|--------|-------|
|    | Column description:             | Share of arable area rented [%] |        |        |       |
|    | Data type:                      | Numeric                         |        |        |       |
|    | Unique non-missing value count: | 21                              |        |        |       |
|    | Missing value count:            | 0                               |        |        |       |
|    | Min                             | Mean                            | Median | Max    | SD    |
|    | 0.00                            | 37.54                           | 35.00  | 100.00 | 28.70 |

|    |                                 |                                 |                      |         |
|----|---------------------------------|---------------------------------|----------------------|---------|
| 83 | Column name:                    | farm_business_category          |                      |         |
|    | Column description:             | Farm business category [Factor] |                      |         |
|    | Data type:                      | Factor                          |                      |         |
|    | Unique non-missing value count: | 2                               |                      |         |
|    | Missing value count:            | 0                               |                      |         |
|    |                                 |                                 |                      |         |
|    | Categories                      | Frequency                       | Cumulative Frequency | Percent |
|    | Main_income                     | 2,224                           | 2,224                | 81.52   |
|    | Side_income                     | 504                             | 2,728                | 18.48   |

| 84  | Column name:                    | focus_arable                   |     |    |
|-----|---------------------------------|--------------------------------|-----|----|
|     | Column description:             | Farm focus on arable crops [%] |     |    |
|     | Data type:                      | Numeric                        |     |    |
|     | Unique non-missing value count: | 21                             |     |    |
|     | Missing value count:            | 0                              |     |    |
| Min | Mean                            | Median                         | Max | SD |

|      |       |       |        |       |
|------|-------|-------|--------|-------|
| 0.00 | 41.77 | 35.00 | 100.00 | 27.04 |
|------|-------|-------|--------|-------|

| 85 | Column name: | focus_livestock |
|----|--------------|-----------------|
|----|--------------|-----------------|

Column description: Farm focus on livestock [%]

Data type: Numeric

Unique non-missing value count: 21

Missing value count: 0

| Min  | Mean  | Median | Max    | SD    |
|------|-------|--------|--------|-------|
| 0.00 | 37.26 | 40.00  | 100.00 | 30.31 |

| 86 | Column name: | focus_permanent_crops |
|----|--------------|-----------------------|
|----|--------------|-----------------------|

Column description: Farm focus on permanent crops [%]

Data type: Numeric

Unique non-missing value count: 20

Missing value count: 0

| Min  | Mean | Median | Max   | SD    |
|------|------|--------|-------|-------|
| 0.00 | 7.40 | 0.00   | 95.00 | 14.79 |

| 87 | Column name: | focus_other_enterprises |
|----|--------------|-------------------------|
|----|--------------|-------------------------|

Column description: Farm focus on other enterprises [%]

Data type: Numeric

Unique non-missing value count: 21

Missing value count: 0

| Min  | Mean  | Median | Max    | SD    |
|------|-------|--------|--------|-------|
| 0.00 | 13.57 | 5.00   | 100.00 | 20.23 |

| 88 | Column name: | prop_straw_kept |
|----|--------------|-----------------|
|----|--------------|-----------------|

Column description: Proportion of straw kept on farm [%]

Data type: Factor

Unique non-missing value count: 21

Missing value count: 0

| Categories with Smallest Values | Frequency | Categories with Largest Values | Frequency |
|---------------------------------|-----------|--------------------------------|-----------|
| 55                              | 11        | 80                             | 107       |
| 45                              | 23        | 90                             | 117       |
| 65                              | 23        | 0                              | 171       |
| 15                              | 34        | 50                             | 184       |
| 35                              | 35        | 100                            | 1309      |

|           |                                 |                              |
|-----------|---------------------------------|------------------------------|
| <b>89</b> | <b>Column name:</b>             | <b>employ_family</b>         |
|           | Column description:             | Employs family members [Y/N] |
|           | Data type:                      | Ordered, factor              |
|           | Unique non-missing value count: | 2                            |
|           | Missing value count:            | 0                            |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 467       | 467                  | 17.12   |
| Yes        | 2,261     | 2,728                | 82.88   |

|           |                                 |                                  |
|-----------|---------------------------------|----------------------------------|
| <b>90</b> | <b>Column name:</b>             | <b>employ_non_family</b>         |
|           | Column description:             | Employs non-family members [Y/N] |
|           | Data type:                      | Ordered, factor                  |
|           | Unique non-missing value count: | 2                                |
|           | Missing value count:            | 1                                |

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 2,018     | 2,018                | 73.97   |
| Yes        | 709       | 2,727                | 25.99   |
| Missing    | 1         | 2,728                | 0.04    |

|           |                                 |                                |
|-----------|---------------------------------|--------------------------------|
| <b>91</b> | <b>Column name:</b>             | <b>employ_seasonal</b>         |
|           | Column description:             | Employs seasonal workers [Y/N] |
|           | Data type:                      | Ordered, factor                |
|           | Unique non-missing value count: | 2                              |

Missing value count: 1

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 2,424     | 2,424                | 88.86   |
| Yes        | 303       | 2,727                | 11.11   |
| Missing    | 1         | 2,728                | 0.04    |

---

|           |                     |                       |
|-----------|---------------------|-----------------------|
| <b>92</b> | <b>Column name:</b> | <b>employ_trainee</b> |
|-----------|---------------------|-----------------------|

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Column description: Employs trainees [Y/N]

Data type: Ordered, factor

Unique non-missing value count: 2

Missing value count: 1

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
| No         | 2,343     | 2,343                | 85.89   |
| Yes        | 384       | 2,727                | 14.08   |
| Missing    | 1         | 2,728                | 0.04    |

---

|           |                     |                   |
|-----------|---------------------|-------------------|
| <b>93</b> | <b>Column name:</b> | <b>succession</b> |
|-----------|---------------------|-------------------|

---

Column description: Succession plan in place [Factor]

Data type: Ordered, factor

Unique non-missing value count: 3

Missing value count: 1

| Categories       | Frequency | Cumulative Frequency | Percent |
|------------------|-----------|----------------------|---------|
| Not relevant yet | 1,205     | 1,205                | 44.17   |
| No               | 766       | 1,971                | 28.08   |
| Yes              | 756       | 2,727                | 27.71   |
| Missing          | 1         | 2,728                | 0.04    |

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|           |                     |                        |
|-----------|---------------------|------------------------|
| <b>94</b> | <b>Column name:</b> | <b>soil_assessment</b> |
|-----------|---------------------|------------------------|

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Column description: Performs soil assessments [Factor]

Data type: Ordered, factor

Unique non-missing value count: 3

Missing value count: 1

| Categories                              | Frequency | Cumulative Frequency | Percent |
|---|-----------|----------------------|---------|
| No soilprofile and soil management plan | 2,175     | 2,175                | 79.73   |
| Soilprofile                             | 456       | 2,631                | 16.72   |
| Soilprofile and soil management plan    | 96        | 2,727                | 3.52    |
| Missing                                 | 1         | 2,728                | 0.04    |

|           |                     |                               |
|-----------|---------------------|-------------------------------|
| <b>95</b> | <b>Column name:</b> | <b>advice_private_service</b> |
|-----------|---------------------|-------------------------------|

Column description: Advice frequency private service providers [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories           | Frequency | Cumulative Frequency | Percent |
|----------------------|-----------|----------------------|---------|
| Never                | 1,168     | 1,168                | 42.82   |
| Once or twice        | 1,075     | 2,243                | 39.41   |
| Three times          | 223       | 2,466                | 8.17    |
| Four or five times   | 137       | 2,603                | 5.02    |
| More than five times | 118       | 2,721                | 4.33    |
| Missing              | 7         | 2,728                | 0.26    |

|           |                     |                           |
|-----------|---------------------|---------------------------|
| <b>96</b> | <b>Column name:</b> | <b>advice_farm_trader</b> |
|-----------|---------------------|---------------------------|

Column description: Advice frequency farm traders [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories    | Frequency | Cumulative Frequency | Percent |
|---------------|-----------|----------------------|---------|
| Never         | 410       | 410                  | 15.03   |
| Once or twice | 1,310     | 1,720                | 48.02   |

|                      |     |       |       |
|----------------------|-----|-------|-------|
| Three times          | 387 | 2,107 | 14.19 |
| Four or five times   | 344 | 2,451 | 12.61 |
| More than five times | 270 | 2,721 | 9.90  |
| Missing              | 7   | 2,728 | 0.26  |

|           |                     |                                |
|-----------|---------------------|--------------------------------|
| <b>97</b> | <b>Column name:</b> | <b>advice_public_extension</b> |
|-----------|---------------------|--------------------------------|

Column description: Advice frequency public extension services [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories           | Frequency | Cumulative Frequency | Percent |
|----------------------|-----------|----------------------|---------|
| Never                | 1,253     | 1,253                | 45.93   |
| Once or twice        | 1,134     | 2,387                | 41.57   |
| Three times          | 172       | 2,559                | 6.30    |
| Four or five times   | 89        | 2,648                | 3.26    |
| More than five times | 73        | 2,721                | 2.68    |
| Missing              | 7         | 2,728                | 0.26    |

|           |                     |                        |
|-----------|---------------------|------------------------|
| <b>98</b> | <b>Column name:</b> | <b>consult_farmers</b> |
|-----------|---------------------|------------------------|

Column description: Consult frequency other farmers for farming advice [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories           | Frequency | Cumulative Frequency | Percent |
|----------------------|-----------|----------------------|---------|
| Never                | 434       | 434                  | 15.91   |
| Once or twice        | 1,095     | 1,529                | 40.14   |
| Three times          | 327       | 1,856                | 11.99   |
| Four or five times   | 338       | 2,194                | 12.39   |
| More than five times | 527       | 2,721                | 19.32   |
| Missing              | 7         | 2,728                | 0.26    |



|           |                     |                             |
|-----------|---------------------|-----------------------------|
| <b>99</b> | <b>Column name:</b> | <b>consult_social_media</b> |
|-----------|---------------------|-----------------------------|

Column description: Consult frequency social media for farming advice  
[Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories           | Frequency | Cumulative Frequency | Percent |
|----------------------|-----------|----------------------|---------|
| Never                | 923       | 923                  | 33.83   |
| Once or twice        | 892       | 1,815                | 32.70   |
| Three times          | 262       | 2,077                | 9.60    |
| Four or five times   | 199       | 2,276                | 7.29    |
| More than five times | 445       | 2,721                | 16.31   |
| Missing              | 7         | 2,728                | 0.26    |

|            |                     |                      |
|------------|---------------------|----------------------|
| <b>100</b> | <b>Column name:</b> | <b>consult_press</b> |
|------------|---------------------|----------------------|

Column description: Consult frequency farming press for farming advice  
[Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories           | Frequency | Cumulative Frequency | Percent |
|----------------------|-----------|----------------------|---------|
| Never                | 435       | 435                  | 15.95   |
| Once or twice        | 865       | 1,300                | 31.71   |
| Three times          | 351       | 1,651                | 12.87   |
| Four or five times   | 284       | 1,935                | 10.41   |
| More than five times | 786       | 2,721                | 28.81   |
| Missing              | 7         | 2,728                | 0.26    |

|            |                     |                               |
|------------|---------------------|-------------------------------|
| <b>101</b> | <b>Column name:</b> | <b>participate equip_demo</b> |
|------------|---------------------|-------------------------------|

Column description: Participation frequency equipment demonstrations  
[Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories           | Frequency | Cumulative Frequency | Percent |
|----------------------|-----------|----------------------|---------|
| Never                | 638       | 638                  | 23.39   |
| Once or twice        | 1,597     | 2,235                | 58.54   |
| Three times          | 298       | 2,533                | 10.92   |
| Four or five times   | 117       | 2,650                | 4.29    |
| More than five times | 71        | 2,721                | 2.60    |
| Missing              | 7         | 2,728                | 0.26    |

|            |                     |                                  |
|------------|---------------------|----------------------------------|
| <b>102</b> | <b>Column name:</b> | <b>participate_discuss_group</b> |
|------------|---------------------|----------------------------------|

Column description: Participation frequency discussion groups [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories           | Frequency | Cumulative Frequency | Percent |
|----------------------|-----------|----------------------|---------|
| Never                | 1,125     | 1,125                | 41.24   |
| Once or twice        | 1,077     | 2,202                | 39.48   |
| Three times          | 240       | 2,442                | 8.80    |
| Four or five times   | 157       | 2,599                | 5.76    |
| More than five times | 122       | 2,721                | 4.47    |
| Missing              | 7         | 2,728                | 0.26    |

|            |                     |                              |
|------------|---------------------|------------------------------|
| <b>103</b> | <b>Column name:</b> | <b>participate_farm_demo</b> |
|------------|---------------------|------------------------------|

Column description: Participation frequency farm demonstration events [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
|------------|-----------|----------------------|---------|

|                      |       |       |       |
|----------------------|-------|-------|-------|
| Never                | 581   | 581   | 21.30 |
| Once or twice        | 1,667 | 2,248 | 61.11 |
| Three times          | 314   | 2,562 | 11.51 |
| Four or five times   | 95    | 2,657 | 3.48  |
| More than five times | 64    | 2,721 | 2.35  |
| Missing              | 7     | 2,728 | 0.26  |

|            |                     |                           |
|------------|---------------------|---------------------------|
| <b>104</b> | <b>Column name:</b> | <b>participate_course</b> |
|------------|---------------------|---------------------------|

Column description: Participation frequency agricultural courses [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 7

| Categories           | Frequency | Cumulative Frequency | Percent |
|----------------------|-----------|----------------------|---------|
| Never                | 1,511     | 1,511                | 55.39   |
| Once or twice        | 1,041     | 2,552                | 38.16   |
| Three times          | 91        | 2,643                | 3.34    |
| Four or five times   | 44        | 2,687                | 1.61    |
| More than five times | 34        | 2,721                | 1.25    |
| Missing              | 7         | 2,728                | 0.26    |

|            |                     |                                |
|------------|---------------------|--------------------------------|
| <b>105</b> | <b>Column name:</b> | <b>pref_risk_ag_production</b> |
|------------|---------------------|--------------------------------|

Column description: Willingness to take risks in agricultural production [0-10]

Data type: Numeric

Unique non-missing value count: 10

Missing value count: 15

| Min  | Mean | Median | Max   | SD   |
|------|------|--------|-------|------|
| 0.00 | 6.77 | 7.00   | 11.00 | 2.61 |

|            |                     |                              |
|------------|---------------------|------------------------------|
| <b>106</b> | <b>Column name:</b> | <b>pref_risk_invest_tech</b> |
|------------|---------------------|------------------------------|

|                                 |  |        |       |      |
|---------------------------------|--|--------|-------|------|
| Column description:             | Willingness to take risks with technology investments [0-10] |        |       |      |
| Data type:                      | Numeric  |        |       |      |
| Unique non-missing value count: | 10   |        |       |      |
| Missing value count:            | 15   |        |       |      |
| Min                             | Mean   | Median | Max   | SD   |
| 0.00                            | 6.33   | 7.00   | 11.00 | 2.71 |

| 107 | Column name:                    | pref_risk_crop_input                                 |        |       |      |
|-----|---------------------------------|--|--------|-------|------|
|     | Column description:             | Willingness to take risks with crop input use [0-10] |        |       |      |
|     | Data type:                      | Numeric  |        |       |      |
|     | Unique non-missing value count: | 10   |        |       |      |
|     | Missing value count:            | 15   |        |       |      |
|     | Min                             | Mean   | Median | Max   | SD   |
|     | 0.00                            | 6.11   | 7.00   | 11.00 | 3.07 |

| 108                    | Column name:                    | belief_solution   |                      |         |
|------------------------|---------------------------------|---|----------------------|---------|
|                        | Column description:             | Confidence in finding a solution when difficulties encountered [Factor] |                      |         |
|                        | Data type:                      | Ordered, factor   |                      |         |
|                        | Unique non-missing value count: | 5   |                      |         |
|                        | Missing value count:            | 15  |                      |         |
| Categories             |                                 | Frequency   | Cumulative Frequency | Percent |
| Strongly disagree      |                                 | 27  | 27                   | 0.99    |
| Disagree               |                                 | 96  | 123                  | 3.52    |
| Neither agree/disagree |                                 | 353   | 476                  | 12.94   |
| Agree                  |                                 | 1,583   | 2,059                | 58.03   |
| Strongly agree         |                                 | 654   | 2,713                | 23.97   |
| Missing                |                                 | 15  | 2,728                | 0.55    |

|            |                     |                                |  |  |
|------------|---------------------|--------------------------------|--|--|
| <b>109</b> | <b>Column name:</b> | <b>belief_goal_achievement</b> |  |  |
|------------|---------------------|--------------------------------|--|--|

|                                 |  |
|---------------------------------|--|
| Column description:             | Confidence in reaching production goals [Factor] |
| Data type:                      | Ordered, factor                                  |
| Unique non-missing value count: | 5  |
| Missing value count:            | 15   |

| Categories             | Frequency | Cumulative Frequency | Percent |
|------------------------|-----------|----------------------|---------|
| Strongly disagree      | 38        | 38                   | 1.39    |
| Disagree               | 186       | 224                  | 6.82    |
| Neither agree/disagree | 698       | 922                  | 25.59   |
| Agree                  | 1,561     | 2,483                | 57.22   |
| Strongly agree         | 230       | 2,713                | 8.43    |
| Missing                | 15        | 2,728                | 0.55    |

|            |                     |                        |
|------------|---------------------|------------------------|
| <b>110</b> | <b>Column name:</b> | <b>belief_efficacy</b> |
|------------|---------------------|------------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Conviction that weather has most influence on farming results [Factor] |
| Data type:                      | Ordered, factor  |
| Unique non-missing value count: | 5  |
| Missing value count:            | 15   |

| Categories             | Frequency | Cumulative Frequency | Percent |
|------------------------|-----------|----------------------|---------|
| Strongly disagree      | 29        | 29                   | 1.06    |
| Disagree               | 204       | 233                  | 7.48    |
| Neither agree/disagree | 731       | 964                  | 26.80   |
| Agree                  | 1,052     | 2,016                | 38.56   |
| Strongly agree         | 697       | 2,713                | 25.55   |
| Missing                | 15        | 2,728                | 0.55    |

|            |                     |                            |
|------------|---------------------|----------------------------|
| <b>111</b> | <b>Column name:</b> | <b>belief_goal_setting</b> |
|------------|---------------------|----------------------------|

|                                 |  |
|---------------------------------|--|
| Column description:             | Conviction that self-set production goals are ambitious [Factor] |
| Data type:                      | Ordered, factor  |
| Unique non-missing value count: | 5  |

Missing value count: 15

| Categories             | Frequency | Cumulative Frequency | Percent |
|------------------------|-----------|----------------------|---------|
| Strongly disagree      | 32        | 32                   | 1.17    |
| Disagree               | 291       | 323                  | 10.67   |
| Neither agree/disagree | 872       | 1,195                | 31.96   |
| Agree                  | 1,198     | 2,393                | 43.91   |
| Strongly agree         | 320       | 2,713                | 11.73   |
| Missing                | 15        | 2,728                | 0.55    |

|            |                     |                             |
|------------|---------------------|-----------------------------|
| <b>112</b> | <b>Column name:</b> | <b>problem_soil_erosion</b> |
|------------|---------------------|-----------------------------|

Column description: Experienced loss or erosion of topsoil [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories             | Frequency | Cumulative Frequency | Percent |
|------------------------|-----------|----------------------|---------|
| No problem             | 1,048     | 1,048                | 38.42   |
| Low problem            | 1,245     | 2,293                | 45.64   |
| Medium problem         | 375       | 2,668                | 13.75   |
| Somewhat large problem | 50        | 2,718                | 1.83    |
| Large problem          | 10        | 2,728                | 0.37    |

|            |                     |                               |
|------------|---------------------|-------------------------------|
| <b>113</b> | <b>Column name:</b> | <b>problem_standing_water</b> |
|------------|---------------------|-------------------------------|

Column description: Experienced standing water on fields long after rain [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories  | Frequency | Cumulative Frequency | Percent |
|-------------|-----------|----------------------|---------|
| No problem  | 843       | 843                  | 30.90   |
| Low problem | 1,234     | 2,077                | 45.23   |

|                        |     |       |       |
|------------------------|-----|-------|-------|
| Medium problem         | 520 | 2,597 | 19.06 |
| Somewhat large problem | 106 | 2,703 | 3.89  |
| Large problem          | 25  | 2,728 | 0.92  |

| 114                    | Column name:                    | problem_soil_condition  |         |
|------------------------|---------------------------------|---|---------|
|                        | Column description:             | Experienced sub-optimal soil conditions for the upcoming work in the field [Factor] |         |
|                        | Data type:                      | Ordered, factor   |         |
|                        | Unique non-missing value count: | 5   |         |
|                        | Missing value count:            | 0   |         |
| Categories             | Frequency                       | Cumulative Frequency  | Percent |
| No problem             | 269                             | 269   | 9.86    |
| Low problem            | 848                             | 1,117   | 31.09   |
| Medium problem         | 1,126                           | 2,243   | 41.28   |
| Somewhat large problem | 405                             | 2,648   | 14.85   |
| Large problem          | 80                              | 2,728   | 2.93    |

| 115                    | Column name:                    | problem_rut_formation   |         |
|------------------------|---------------------------------|---|---------|
|                        | Column description:             | Experienced formation of deep wheel ruts in field during fieldwork [Factor] |         |
|                        | Data type:                      | Ordered, factor   |         |
|                        | Unique non-missing value count: | 5   |         |
|                        | Missing value count:            | 0   |         |
| Categories             | Frequency                       | Cumulative Frequency  | Percent |
| No problem             | 1,079                           | 1,079   | 39.55   |
| Low problem            | 1,324                           | 2,403   | 48.53   |
| Medium problem         | 293                             | 2,696   | 10.74   |
| Somewhat large problem | 26                              | 2,722   | 0.95    |
| Large problem          | 6                               | 2,728   | 0.22    |

| <b>116</b>             | <b>Column name:</b>             | <b>problem_machine_availability</b>  |         |  |
|------------------------|---------------------------------|--|---------|--|
|                        | Column description:             | Experienced lack of availability of required machines at the right time [Factor] |         |  |
|                        | Data type:                      | Ordered, factor  |         |  |
|                        | Unique non-missing value count: | 5  |         |  |
|                        | Missing value count:            | 0  |         |  |
| Categories             | Frequency                       | Cumulative Frequency   | Percent |  |
| No problem             | 1,763                           | 1,763  | 64.63   |  |
| Low problem            | 738                             | 2,501  | 27.05   |  |
| Medium problem         | 190                             | 2,691  | 6.96    |  |
| Somewhat large problem | 29                              | 2,720  | 1.06    |  |
| Large problem          | 8                               | 2,728  | 0.29    |  |

  

| <b>117</b>             | <b>Column name:</b>             | <b>problem_input_constraints</b>  |         |  |
|------------------------|---------------------------------|---|---------|--|
|                        | Column description:             | Experienced time or labour constraints needed to perform additional measures [Factor] |         |  |
|                        | Data type:                      | Ordered, factor   |         |  |
|                        | Unique non-missing value count: | 5   |         |  |
|                        | Missing value count:            | 0   |         |  |
| Categories             | Frequency                       | Cumulative Frequency  | Percent |  |
| No problem             | 1,080                           | 1,080   | 39.59   |  |
| Low problem            | 837                             | 1,917   | 30.68   |  |
| Medium problem         | 496                             | 2,413   | 18.18   |  |
| Somewhat large problem | 222                             | 2,635   | 8.14    |  |
| Large problem          | 93                              | 2,728   | 3.41    |  |

  

|            |                     |  |  |  |
|------------|---------------------|--|--|--|
| <b>118</b> | <b>Column name:</b> | <b>problem_uneven_establishment</b>                                    |  |  |
|            | Column description: | Experienced uneven crop establishment in early growing season [Factor] |  |  |
|            | Data type:          | Ordered, factor  |  |  |



Unique non-missing value count: 5

Missing value count: 0

| Categories             | Frequency | Cumulative Frequency | Percent |
|------------------------|-----------|----------------------|---------|
| No problem             | 800       | 800                  | 29.33   |
| Low problem            | 1,372     | 2,172                | 50.29   |
| Medium problem         | 472       | 2,644                | 17.30   |
| Somewhat large problem | 73        | 2,717                | 2.68    |
| Large problem          | 11        | 2,728                | 0.40    |

|            |                     |                                |
|------------|---------------------|--------------------------------|
| <b>119</b> | <b>Column name:</b> | <b>problem_arable_diseases</b> |
|------------|---------------------|--------------------------------|

Column description: Experienced infestation with crop diseases or soil born diseases [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories             | Frequency | Cumulative Frequency | Percent |
|------------------------|-----------|----------------------|---------|
| No problem             | 760       | 760                  | 27.86   |
| Low problem            | 1,259     | 2,019                | 46.15   |
| Medium problem         | 544       | 2,563                | 19.94   |
| Somewhat large problem | 134       | 2,697                | 4.91    |
| Large problem          | 31        | 2,728                | 1.14    |

|            |                     |                             |
|------------|---------------------|-----------------------------|
| <b>120</b> | <b>Column name:</b> | <b>problem_arable_weeds</b> |
|------------|---------------------|-----------------------------|

Column description: Experienced infestation of arable weeds [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

| Categories  | Frequency | Cumulative Frequency | Percent |
|-------------|-----------|----------------------|---------|
| No problem  | 387       | 387                  | 14.19   |
| Low problem | 1,087     | 1,474                | 39.85   |

|                        |     |       |       |
|------------------------|-----|-------|-------|
| Medium problem         | 903 | 2,377 | 33.10 |
| Somewhat large problem | 296 | 2,673 | 10.85 |
| Large problem          | 55  | 2,728 | 2.02  |

| 121                    | Column name:                    | problem_arable_pests                             |         |
|------------------------|---------------------------------|--|---------|
|                        | Column description:             | Experienced infestation of arable pests [Factor] |         |
|                        | Data type:                      | Ordered, factor                                  |         |
|                        | Unique non-missing value count: | 5  |         |
|                        | Missing value count:            | 0  |         |
| Categories             | Frequency                       | Cumulative Frequency                             | Percent |
| No problem             | 455                             | 455  | 16.68   |
| Low problem            | 1,137                           | 1,592  | 41.68   |
| Medium problem         | 771                             | 2,363  | 28.26   |
| Somewhat large problem | 269                             | 2,632  | 9.86    |
| Large problem          | 96                              | 2,728  | 3.52    |

| 122                    | Column name:                    | problem_stressed_crops   |         |
|------------------------|---------------------------------|--|---------|
|                        | Column description:             | Experienced stressed or stunted crops following dry periods [Factor] |         |
|                        | Data type:                      | Ordered, factor  |         |
|                        | Unique non-missing value count: | 5  |         |
|                        | Missing value count:            | 0  |         |
| Categories             | Frequency                       | Cumulative Frequency   | Percent |
| No problem             | 342                             | 342  | 12.54   |
| Low problem            | 1,128                           | 1,470  | 41.35   |
| Medium problem         | 820                             | 2,290  | 30.06   |
| Somewhat large problem | 354                             | 2,644  | 12.98   |
| Large problem          | 84                              | 2,728  | 3.08    |

| <b>123</b>             | <b>Column name:</b>             | <b>problem_lodged_crops</b>           |         |  |
|------------------------|---------------------------------|---------------------------------------|---------|--|
|                        | Column description:             | Experienced lodging of crops [Factor] |         |  |
|                        | Data type:                      | Ordered, factor                       |         |  |
|                        | Unique non-missing value count: | 5                                     |         |  |
|                        | Missing value count:            | 0                                     |         |  |
| Categories             | Frequency                       | Cumulative Frequency                  | Percent |  |
| No problem             | 917                             | 917                                   | 33.61   |  |
| Low problem            | 1,375                           | 2,292                                 | 50.40   |  |
| Medium problem         | 396                             | 2,688                                 | 14.52   |  |
| Somewhat large problem | 35                              | 2,723                                 | 1.28    |  |
| Large problem          | 5                               | 2,728                                 | 0.18    |  |

  

| <b>124</b>             | <b>Column name:</b>             | <b>problem_low_yield</b>                             |         |  |
|------------------------|---------------------------------|--|---------|--|
|                        | Column description:             | Experienced lower crop yield than desirable [Factor] |         |  |
|                        | Data type:                      | Ordered, factor                                      |         |  |
|                        | Unique non-missing value count: | 5  |         |  |
|                        | Missing value count:            | 0  |         |  |
| Categories             | Frequency                       | Cumulative Frequency                                 | Percent |  |
| No problem             | 337                             | 337  | 12.35   |  |
| Low problem            | 1,110                           | 1,447  | 40.69   |  |
| Medium problem         | 969                             | 2,416  | 35.52   |  |
| Somewhat large problem | 250                             | 2,666  | 9.16    |  |
| Large problem          | 62                              | 2,728  | 2.27    |  |

  

|            |                                 |   |  |  |
|------------|---------------------------------|---|--|--|
| <b>125</b> | <b>Column name:</b>             | <b>problem_crop_quality</b>   |  |  |
|            | Column description:             | Experienced crops being downgraded at sale due to not meeting quality requirements [Factor] |  |  |
|            | Data type:                      | Ordered, factor   |  |  |
|            | Unique non-missing value count: | 5   |  |  |
|            | Missing value count:            | 0   |  |  |

| Categories             | Frequency | Cumulative Frequency | Percent |
|------------------------|-----------|----------------------|---------|
| No problem             | 1,399     | 1,399                | 51.28   |
| Low problem            | 1,002     | 2,401                | 36.73   |
| Medium problem         | 262       | 2,663                | 9.60    |
| Somewhat large problem | 51        | 2,714                | 1.87    |
| Large problem          | 14        | 2,728                | 0.51    |

|            |                     |                            |
|------------|---------------------|----------------------------|
| <b>126</b> | <b>Column name:</b> | <b>priority_max_yields</b> |
|------------|---------------------|----------------------------|

Column description: Priority level attributed to achieving maximum yields [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 22

| Categories        | Frequency | Cumulative Frequency | Percent |
|-------------------|-----------|----------------------|---------|
| Not a priority    | 100       | 100                  | 3.67    |
| Low priority      | 332       | 432                  | 12.17   |
| Moderate priority | 1,152     | 1,584                | 42.23   |
| High priority     | 967       | 2,551                | 35.45   |
| Top priority      | 155       | 2,706                | 5.68    |
| Missing           | 22        | 2,728                | 0.81    |

|            |                     |                           |
|------------|---------------------|---------------------------|
| <b>127</b> | <b>Column name:</b> | <b>priority_min_costs</b> |
|------------|---------------------|---------------------------|

Column description: Priority level attributed to minimising costs [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 22

| Categories        | Frequency | Cumulative Frequency | Percent |
|-------------------|-----------|----------------------|---------|
| Not a priority    | 22        | 22                   | 0.81    |
| Low priority      | 148       | 170                  | 5.43    |
| Moderate priority | 935       | 1,105                | 34.27   |

|               |       |       |       |
|---------------|-------|-------|-------|
| High priority | 1,379 | 2,484 | 50.55 |
| Top priority  | 222   | 2,706 | 8.14  |
| Missing       | 22    | 2,728 | 0.81  |

| 128               | Column name:                    | priority_min_labour_req  |         |
|-------------------|---------------------------------|--|---------|
|                   | Column description:             | Priority level attributed to minimising labour requirements [Factor] |         |
|                   | Data type:                      | Ordered, factor  |         |
|                   | Unique non-missing value count: | 5  |         |
|                   | Missing value count:            | 22   |         |
| Categories        | Frequency                       | Cumulative Frequency   | Percent |
| Not a priority    | 46                              | 46   | 1.69    |
| Low priority      | 278                             | 324  | 10.19   |
| Moderate priority | 1,028                           | 1,352  | 37.68   |
| High priority     | 1,143                           | 2,495  | 41.90   |
| Top priority      | 211                             | 2,706  | 7.73    |
| Missing           | 22                              | 2,728  | 0.81    |

| 129               | Column name:                    | priority_min_risk                                    |         |
|-------------------|---------------------------------|--|---------|
|                   | Column description:             | Priority level attributed to reducing risks [Factor] |         |
|                   | Data type:                      | Ordered, factor                                      |         |
|                   | Unique non-missing value count: | 5  |         |
|                   | Missing value count:            | 22   |         |
| Categories        | Frequency                       | Cumulative Frequency                                 | Percent |
| Not a priority    | 362                             | 362  | 13.27   |
| Low priority      | 519                             | 881  | 19.02   |
| Moderate priority | 803                             | 1,684  | 29.44   |
| High priority     | 855                             | 2,539  | 31.34   |
| Top priority      | 167                             | 2,706  | 6.12    |
| Missing           | 22                              | 2,728  | 0.81    |

| <b>130</b>        | <b>Column name:</b>             | <b>priority_min_weed_pest_disease</b>                                       |         |  |
|-------------------|---------------------------------|---|---------|--|
|                   | Column description:             | Priority level attributed to minimising weeds, pests, and diseases [Factor] |         |  |
|                   | Data type:                      | Ordered, factor   |         |  |
|                   | Unique non-missing value count: | 5   |         |  |
|                   | Missing value count:            | 22  |         |  |
| Categories        | Frequency                       | Cumulative Frequency  | Percent |  |
| Not a priority    | 16                              | 16  | 0.59    |  |
| Low priority      | 90                              | 106   | 3.30    |  |
| Moderate priority | 538                             | 644   | 19.72   |  |
| High priority     | 1,669                           | 2,313   | 61.18   |  |
| Top priority      | 393                             | 2,706   | 14.41   |  |
| Missing           | 22                              | 2,728   | 0.81    |  |

  

| <b>131</b>        | <b>Column name:</b>             | <b>priority_adapt_to_weather</b>                                      |         |  |
|-------------------|---------------------------------|---|---------|--|
|                   | Column description:             | Priority level attributed to adapting to weather variability [Factor] |         |  |
|                   | Data type:                      | Ordered, factor   |         |  |
|                   | Unique non-missing value count: | 5   |         |  |
|                   | Missing value count:            | 22  |         |  |
| Categories        | Frequency                       | Cumulative Frequency  | Percent |  |
| Not a priority    | 33                              | 33  | 1.21    |  |
| Low priority      | 137                             | 170   | 5.02    |  |
| Moderate priority | 894                             | 1,064   | 32.77   |  |
| High priority     | 1,400                           | 2,464   | 51.32   |  |
| Top priority      | 242                             | 2,706   | 8.87    |  |
| Missing           | 22                              | 2,728   | 0.81    |  |

  

|            |                     |   |  |  |
|------------|---------------------|---|--|--|
| <b>132</b> | <b>Column name:</b> | <b>priority_adapt_to_farmland</b>   |  |  |
|            | Column description: | Priority level attributed to adapting practices to farmland conditions [Factor] |  |  |
|            | Data type:          | Ordered, factor   |  |  |

Unique non-missing value count: 5

Missing value count: 22

| Categories        | Frequency | Cumulative Frequency | Percent |
|-------------------|-----------|----------------------|---------|
| Not a priority    | 32        | 32                   | 1.17    |
| Low priority      | 159       | 191                  | 5.83    |
| Moderate priority | 784       | 975                  | 28.74   |
| High priority     | 1,388     | 2,363                | 50.88   |
| Top priority      | 343       | 2,706                | 12.57   |
| Missing           | 22        | 2,728                | 0.81    |

|            |                     |                              |
|------------|---------------------|------------------------------|
| <b>133</b> | <b>Column name:</b> | <b>priority_improve_soil</b> |
|------------|---------------------|------------------------------|

Column description: Priority level attributed to improving soil quality  
[Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 22

| Categories        | Frequency | Cumulative Frequency | Percent |
|-------------------|-----------|----------------------|---------|
| Not a priority    | 16        | 16                   | 0.59    |
| Low priority      | 41        | 57                   | 1.50    |
| Moderate priority | 391       | 448                  | 14.33   |
| High priority     | 1,548     | 1,996                | 56.74   |
| Top priority      | 710       | 2,706                | 26.03   |
| Missing           | 22        | 2,728                | 0.81    |

|            |                     |                                      |
|------------|---------------------|--------------------------------------|
| <b>134</b> | <b>Column name:</b> | <b>priority_improve_biodiversity</b> |
|------------|---------------------|--------------------------------------|

Column description: Priority level attributed to improving biodiversity  
[Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 22

| Categories | Frequency | Cumulative Frequency | Percent |
|------------|-----------|----------------------|---------|
|------------|-----------|----------------------|---------|

|                   |       |       |       |
|-------------------|-------|-------|-------|
| Not a priority    | 124   | 124   | 4.55  |
| Low priority      | 451   | 575   | 16.53 |
| Moderate priority | 1,045 | 1,620 | 38.31 |
| High priority     | 880   | 2,500 | 32.26 |
| Top priority      | 206   | 2,706 | 7.55  |
| Missing           | 22    | 2,728 | 0.81  |

|            |                     |                                      |
|------------|---------------------|--------------------------------------|
| <b>135</b> | <b>Column name:</b> | <b>priority_reduce_enviro_impact</b> |
|------------|---------------------|--------------------------------------|

Column description: Priority level attributed to reducing environmental impact [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 22

| Categories        | Frequency | Cumulative Frequency | Percent |
|-------------------|-----------|----------------------|---------|
| Not a priority    | 77        | 77                   | 2.82    |
| Low priority      | 261       | 338                  | 9.57    |
| Moderate priority | 977       | 1,315                | 35.81   |
| High priority     | 1,161     | 2,476                | 42.56   |
| Top priority      | 230       | 2,706                | 8.43    |
| Missing           | 22        | 2,728                | 0.81    |

|            |                     |                        |
|------------|---------------------|------------------------|
| <b>136</b> | <b>Column name:</b> | <b>priority_expand</b> |
|------------|---------------------|------------------------|

Column description: Priority level attributed to expanding the farm business [Factor]

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 22

| Categories        | Frequency | Cumulative Frequency | Percent |
|-------------------|-----------|----------------------|---------|
| Not a priority    | 309       | 309                  | 11.33   |
| Low priority      | 568       | 877                  | 20.82   |
| Moderate priority | 948       | 1,825                | 34.75   |



|               |     |       |       |
|---------------|-----|-------|-------|
| High priority | 666 | 2,491 | 24.41 |
| Top priority  | 215 | 2,706 | 7.88  |
| Missing       | 22  | 2,728 | 0.81  |

| 137               | Column name:                    | priority_adapt_to_market  |         |
|-------------------|---------------------------------|---|---------|
|                   | Column description:             | Priority level attributed to adapting to market developments [Factor] |         |
|                   | Data type:                      | Ordered, factor   |         |
|                   | Unique non-missing value count: | 5   |         |
|                   | Missing value count:            | 22  |         |
| Categories        | Frequency                       | Cumulative Frequency  | Percent |
| Not a priority    | 69                              | 69  | 2.53    |
| Low priority      | 172                             | 241   | 6.30    |
| Moderate priority | 967                             | 1,208   | 35.45   |
| High priority     | 1,294                           | 2,502   | 47.43   |
| Top priority      | 204                             | 2,706   | 7.48    |
| Missing           | 22                              | 2,728   | 0.81    |

| 138               | Column name:                    | priority_adapt_to_legislation  |         |
|-------------------|---------------------------------|--|---------|
|                   | Column description:             | Priority level attributed to adapting to legal and policy changes [Factor] |         |
|                   | Data type:                      | Ordered, factor  |         |
|                   | Unique non-missing value count: | 5  |         |
|                   | Missing value count:            | 22   |         |
| Categories        | Frequency                       | Cumulative Frequency   | Percent |
| Not a priority    | 144                             | 144  | 5.28    |
| Low priority      | 394                             | 538  | 14.44   |
| Moderate priority | 1,011                           | 1,549  | 37.06   |
| High priority     | 928                             | 2,477  | 34.02   |
| Top priority      | 229                             | 2,706  | 8.39    |
| Missing           | 22                              | 2,728  | 0.81    |

| <b>139</b>        | <b>Column name:</b>             | <b>priority_seek_professional_advice</b>                          |         |  |
|-------------------|---------------------------------|---|---------|--|
|                   | Column description:             | Priority level attributed to seeking professional advice [Factor] |         |  |
|                   | Data type:                      | Ordered, factor   |         |  |
|                   | Unique non-missing value count: | 5   |         |  |
|                   | Missing value count:            | 22  |         |  |
| Categories        | Frequency                       | Cumulative Frequency  | Percent |  |
| Not a priority    | 459                             | 459   | 16.83   |  |
| Low priority      | 1,071                           | 1,530   | 39.26   |  |
| Moderate priority | 933                             | 2,463   | 34.20   |  |
| High priority     | 230                             | 2,693   | 8.43    |  |
| Top priority      | 13                              | 2,706   | 0.48    |  |
| Missing           | 22                              | 2,728   | 0.81    |  |

  

| <b>140</b>        | <b>Column name:</b>             | <b>priority_seek_casual_advice</b>                            |         |  |
|-------------------|---------------------------------|---|---------|--|
|                   | Column description:             | Priority level attributed to seeking informal advice [Factor] |         |  |
|                   | Data type:                      | Ordered, factor   |         |  |
|                   | Unique non-missing value count: | 5   |         |  |
|                   | Missing value count:            | 22  |         |  |
| Categories        | Frequency                       | Cumulative Frequency  | Percent |  |
| Not a priority    | 183                             | 183   | 6.71    |  |
| Low priority      | 681                             | 864   | 24.96   |  |
| Moderate priority | 1,126                           | 1,990   | 41.28   |  |
| High priority     | 637                             | 2,627   | 23.35   |  |
| Top priority      | 79                              | 2,706   | 2.90    |  |
| Missing           | 22                              | 2,728   | 0.81    |  |

  

|            |                     |   |  |  |
|------------|---------------------|---|--|--|
| <b>141</b> | <b>Column name:</b> | <b>priority_seek_peer_approval</b>                                      |  |  |
|            | Column description: | Priority level attributed to aligning with peers' expectations [Factor] |  |  |
|            | Data type:          | Ordered, factor   |  |  |

Unique non-missing value count: 5

Missing value count: 22

| Categories        | Frequency | Cumulative Frequency | Percent |
|-------------------|-----------|----------------------|---------|
| Not a priority    | 663       | 663                  | 24.30   |
| Low priority      | 823       | 1,486                | 30.17   |
| Moderate priority | 903       | 2,389                | 33.10   |
| High priority     | 297       | 2,686                | 10.89   |
| Top priority      | 20        | 2,706                | 0.73    |
| Missing           | 22        | 2,728                | 0.81    |