


# Drosophila suzukii in Swiss plum production – Data from a survey on risk management strategies in 2017

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### Codebook (Plums 2017): Description of variables and questions

| Variables     | Question  | Coding                               |
|---------------|---|--------------------------------------|
| ID            |   | ID numbers given to each respondent  |
| submitdate    | Date representing when the survey was submitted by participant  | Dates                                |
| startlanguage | Language chosen for survey  | de=german<br>fr=French<br>it=italian |
| startdate     | Date representing when the survey was completed by participant  | Dates                                |
| frucht        | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1 Are or more than 10 trees [Cacaks Fruchtbare] | 1=Have<br>0=Don't have               |
| schon         | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1 Are or more than 10 trees [Cacaks Schöne]     | 1=Have<br>0=Don't have               |
| dabro         | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1 Are or more than 10 trees [Dabrovice]         | 1=Have<br>0=Don't have               |
| elena         | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1 Are or more than 10 trees [Elena]             | 1=Have<br>0=Don't have               |
| fallen        | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1 Are or more than 10 trees [Fellenberg]        | 1=Have<br>0=Don't have               |
| felsina       | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1 Are or more than 10 trees [Felsina]           | 1=Have<br>0=Don't have               |
| fruh          | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1 Are or more than 10 trees [Frühe Fellenberg]  | 1=Have<br>0=Don't have               |
| jojo          | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1 Are or more than 10 trees [Jojo]              | 1=Have<br>0=Don't have               |
| hanita        | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1 Are or more than 10 trees [Hanita]            | 1=Have<br>0=Don't have               |

|              |  |  |
|--------------|--|--|
| hanka        | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1<br>Are or more than 10 trees [Hanka]   | 1=Have<br>0=Don't have                           |
| katinka      | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1<br>Are or more than 10 trees [Katinka] | 1=Have<br>0=Don't have                           |
| tegera       | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1<br>Are or more than 10 trees [Tegera]  | 1=Have<br>0=Don't have                           |
| tophit       | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1<br>Are or more than 10 trees [Tophit]  | 1=Have<br>0=Don't have                           |
| oth          | Which plum varieties do you have? Please only mention the varieties with a cultivated area over or equal to 1<br>Are or more than 10 trees [other]   | Text<br>NA=no answer                             |
| frucht_type  | Please give the type of tree [Cacaks Fruchtbare]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| schon_type   | Please give the type of tree [Cacaks Schöne]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| dabro_type   | Please give the type of tree [Dabrovice]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| elena_type   | Please give the type of tree [Elena]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| fellen_type  | Please give the type of tree[Fellenberg]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| felsina_type | Please give the type of tree [Felsina]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |

|              |   |  |
|--------------|---|--|
| fruh_type    | Please give the type of tree [Frühe Fellenberg]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| jojo_type    | Please give the type of tree[Jojo]  | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| hanita_type  | Please give the type of tree [Hanita]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| hanka_type   | Please give the type of tree[Hanka]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| katinka_type | Please give the type of tree [Katinka]  | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| tegera_type  | Please give the type of tree[Tegera]  | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| tophit_type  | Please give the type of tree [Tophit]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| oth_type     | Please give the type of tree[other]   | A1=lower stem<br>A2=higher stem<br>NA= no answer |
| area_frucht  | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Cacaks Fruchtbare] | Numbers<br>NA= no answer                         |

|              |  |                          |
|--------------|--|--------------------------|
| area_schon   | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Cacaks Schöne]    | Numbers<br>NA= no answer |
| area_dabro   | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Dabrovice]        | Numbers<br>NA= no answer |
| area_elena   | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Elena]            | Numbers<br>NA= no answer |
| area_fellen  | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Fellenberg]       | Numbers<br>NA= no answer |
| area_felsina | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Felsina]          | Numbers<br>NA= no answer |
| area_fruh    | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Frühe Fellenberg] | Numbers<br>NA= no answer |
| area_jojo    | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Jojo]             | Numbers<br>NA= no answer |
| area_hanita  | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Hanita]           | Numbers<br>NA= no answer |
| area_hanka   | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Hanka]            | Numbers<br>NA= no answer |

|               |   |                                   |
|---------------|---|-----------------------------------|
| area_katinka  | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Katinka] | Numbers<br>NA= no answer          |
| area_tegera   | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Tegera]  | Numbers<br>NA= no answer          |
| area_tophit   | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[Tophit]  | Numbers<br>NA= no answer          |
| area_oth      | Please indicate the cultivated area per variety (only mention areas that are bigger or equal 50 square meters/1are).[other]   | Numbers<br>NA= no answer          |
| trees_frucht  | Please give the number of trees [Cacaks Fruchtbare]   | Numbers $\geq$ 10<br>NA=no answer |
| trees_schon   | Please give the number of trees [Cacaks Schöne]   | Numbers $\geq$ 10<br>NA=no answer |
| trees_dabro   | Please give the number of trees [Dabrovice]   | Numbers $\geq$ 10<br>NA=no answer |
| trees_elena   | Please give the number of trees [Elena]   | Numbers $\geq$ 10<br>NA=no answer |
| trees_fellen  | Please give the number of trees[Fellenberg]   | Numbers $\geq$ 10<br>NA=no answer |
| trees_felsina | Please give the number of trees [Felsina]   | Numbers $\geq$ 10<br>NA=no answer |
| trees_fruh    | Please give the number of trees [Frühe Fellenberg]  | Numbers $\geq$ 10<br>NA=no answer |
| trees_jojo    | Please give the number of trees[Jojo]   | Numbers $\geq$ 10<br>NA=no answer |
| trees_hanita  | Please give the number of trees [Hanita]  | Numbers $\geq$ 10<br>NA=no answer |

|               |  |  |
|---------------|--|--|
| trees_hanka   | Please give the number of trees[Hanka]                             | Numbers $\geq$ 10<br>NA=no answer  |
| trees_katinka | Please give the number of trees [Katinka]                          | Numbers $\geq$ 10<br>NA=no answer  |
| trees_tegera  | Please give the number of trees[Tegera]                            | Numbers $\geq$ 10<br>NA=no answer  |
| trees_tophit  | Please give the number of trees [Tophit]                           | Numbers $\geq$ 10<br>NA=no answer  |
| trees_oth     | Please give the number of trees[Other]                             | Numbers $\geq$ 10<br>NA=no answer  |
| frost_frucht  | How important were the frost damage this year? [Cacaks Fruchtbare] | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_schon   | How important were the frost damage this year? [Cacaks Schöne]     | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_dabro   | How important were the frost damage this year? [Dabrovice]         | A1=No frost damage<br>A2=Partial damage due to frost   |

|               |   |  |
|---------------|---|--|
|               |   | A3=Total loss due to frost<br>NA=no answer   |
| frost_elena   | How important were the frost damage this year? [Elena]            | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_fellen  | How important were the frost damage this year? [Fellenberg]       | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_felsina | How important were the frost damage this year? [Felsina]          | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_fruh    | How important were the frost damage this year? [Frühe Fellenberg] | A1=No frost damage<br>A2=Partial damage due to frost   |



|               |  |  |
|---------------|--|--|
|               |  | A3=Total loss due to frost<br>NA=no answer   |
| frost_jojo    | How important were the frost damage this year? [Jojo]    | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_hanita  | How important were the frost damage this year? [Hanita]  | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_hanka   | How important were the frost damage this year? [Hanka]   | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_katinka | How important were the frost damage this year? [Katinka] | A1=No frost damage<br>A2=Partial damage due to frost   |

|              |   |  |
|--------------|---|--|
|              |   | A3=Total loss due to frost<br>NA=no answer   |
| frost_tegera | How important were the frost damage this year? [Tegera] | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_tophit | How important were the frost damage this year? [Tophit] | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |
| frost_oth    | How important were the frost damage this year? [Other]  | A1=No frost damage<br>A2=Partial damage due to frost<br>A3=Total loss due to frost<br>NA=no answer |

|           |   |   |
|-----------|---|---|
| ds_frucht | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Cacaks Fruchtbare] | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_schon  | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Cacaks Schöne]     | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_dabro  | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Dabrovice]         | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |

|            |  |   |
|------------|--|---|
| ds_elena   | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Elena]      | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_fellen  | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Fellenberg] | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_felsina | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Felsina]    | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |

|           |   |   |
|-----------|---|---|
| ds_fruh   | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017 [Frühe Fellenberg] | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_jojo   | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Jojo]            | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_hanita | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Hanita]          | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |

|            |   |   |
|------------|---|---|
| ds_hanka   | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Hanka]   | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_katinka | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Katinka] | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_tegera  | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Tegera]  | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |

|              |  |   |
|--------------|--|---|
| ds_tophit    | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Tophit] | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_oth       | How high (in percent) was the infestation by spotted-wing drosophila per grape variety in 2017? [Other]  | A1= 0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=no answer |
| ds_cl_frucht | Did you abort the harvest? [Cacaks Fruchtbare]   | A1=Yes<br>A2=No<br>NA=no answer   |
| ds_cl_schon  | Did you abort the harvest? Cacaks Schöne]  | A1=Yes<br>A2=No<br>NA=no answer   |
| ds_cl_dabro  | Did you abort the harvest? Dabrovice]  | A1=Yes<br>A2=No<br>NA=no answer   |
| ds_cl_elena  | Did you abort the harvest? [Elena]   | A1=Yes<br>A2=No<br>NA=no answer   |
| ds_cl_fellen | Did you abort the harvest? [Fellenberg]  | A1=Yes<br>A2=No<br>NA=no answer   |

|               |   |                                 |
|---------------|---|---------------------------------|
| ds_cl_felsina | Did you abort the harvest? [Felsina]  | A1=Yes<br>A2=No<br>NA=no answer |
| ds_cl_fruh    | Did you abort the harvest? [Frühe Fellenberg]                                 | A1=Yes<br>A2=No<br>NA=no answer |
| ds_cl_jojo    | Did you abort the harvest? [Jojo]   | A1=Yes<br>A2=No<br>NA=no answer |
| ds_cl_hanita  | Did you abort the harvest? [Hanita]   | A1=Yes<br>A2=No<br>NA=no answer |
| ds_cl_hanka   | Did you abort the harvest? [Hanka]  | A1=Yes<br>A2=No<br>NA=no answer |
| ds_cl_katinka | Did you abort the harvest? [Katinka]  | A1=Yes<br>A2=No<br>NA=no answer |
| ds_cl_tegera  | Did you abort the harvest? [Tegera]   | A1=Yes<br>A2=No<br>NA=no answer |
| ds_cl_tophit  | Did you abort the harvest? [Tophit]   | A1=Yes<br>A2=No<br>NA=no answer |
| ds_cl_oth     | Did you abort the harvest? [Other]  | A1=Yes<br>A2=No<br>NA=no answer |
| infest_ovip   | How did the infestation of the spotted-wing drosophila manifest?(oviposition) | 1= yes<br>0=no<br>NA=no answer  |



|               |   |  |
|---------------|---|--|
| infest_larv   | How did the infestation of the spotted-wing drosophila manifest?(attested larvae/pupae) | 1= yes<br>0=no<br>NA=no answer   |
| infest_hole   | How did the infestation of the spotted-wing drosophila manifest?(puncture holes)        | 1= yes<br>0=no<br>NA=no answer   |
| infest_dripft | How did the infestation of the spotted-wing drosophila manifest?(dripping fruits)       | 1= yes<br>0=no<br>NA=no answer   |
| infest_act    | How did the infestation of the spotted-wing drosophila manifest?(acetic acid smell)     | 1= yes<br>0=no<br>NA=no answer   |
| infest_dk     | How did the infestation of the spotted-wing drosophila manifest?(I don't know)          | 1= yes<br>0=no<br>NA=no answer   |
| infest_dnn    | How did the infestation of the spotted-wing drosophila manifest?(I did not notice)      | 1= yes<br>0=no<br>NA=no answer   |
| infest_ni     | How did the infestation of the spotted-wing drosophila manifest?(No infestation)        | 1= yes<br>0=no<br>NA=no answer   |
| harv_frucht   | Did you sort the plums normally after the harvest? [Cacaks Fruchtbare]                  | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |

|              |  |  |
|--------------|--|--|
| harv_schon   | Did you sort the plums normally after the harvest? [Cacaks Schöne] | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_dabro   | Did you sort the plums normally after the harvest? [Dabrovice]     | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_elena   | Did you sort the plums normally after the harvest? [Elena]         | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_fellen  | Did you sort the plums normally after the harvest? [Fellenberg]    | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_felsina | Did you sort the plums normally after the harvest? [Felsina]       | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing                            |

|             |   |  |
|-------------|---|--|
|             |   | drosophila<br>NA=no answer   |
| harv_fruh   | Did you sort the plums normally after the harvest? [Frühe Fellenberg] | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_jojo   | Did you sort the plums normally after the harvest? [Jojo]             | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_hanita | Did you sort the plums normally after the harvest? [Hanita]           | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_hanka  | Did you sort the plums normally after the harvest? [Hanka]            | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |

|                  |  |  |
|------------------|--|--|
| harv_katinka     | Did you sort the plums normally after the harvest? [Katinka]   | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_tegera      | Did you sort the plums normally after the harvest? [Tegera]  | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_tophit      | Did you sort the plums normally after the harvest? [Tophit]  | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| harv_oth         | Did you sort the plums normally after the harvest? [other]   | A1 = Harvest sorted normally<br>A2=Harvest sorted due to spotted-wing drosophila<br>NA=no answer |
| sort_time_frucht | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila? [Cacaks Fruchtbare] | number in percent not above 100<br>NA=no answer  |

|                   |   |   |
|-------------------|---|---|
| sort_time_schon   | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila? [Cacaks Schöne]    | number in percent not above 100<br>NA=no answer |
| sort_time_dabro   | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila? [Dabrovice]        | number in percent not above 100<br>NA=no answer |
| sort_time_elena   | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila? [Elena]            | number in percent not above 100<br>NA=no answer |
| sort_time_fellen  | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila?[Fellenberg]        | number in percent not above 100<br>NA=no answer |
| sort_time_felsina | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila? [Felsina]          | number in percent not above 100<br>NA=no answer |
| sort_time_fruh    | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila? [Frühe Fellenberg] | number in percent not above 100<br>NA=no answer |
| sort_time_jojo    | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila?[Jojo]              | number in percent not above 100<br>NA=no answer |
| sort_time_hanita  | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila? [Hanita]           | number in percent not above 100<br>NA=no answer |

|                   |  |   |
|-------------------|--|---|
| sort_time_hanka   | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila?[Hanka]                                      | number in percent not above 100<br>NA=no answer |
| sort_time_katinka | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila? [Katinka]                                   | number in percent not above 100<br>NA=no answer |
| sort_time_tegera  | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila?[Tegera]                                     | number in percent not above 100<br>NA=no answer |
| sort_time_tophit  | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila? [Tophit]                                    | number in percent not above 100<br>NA=no answer |
| sort_time_oth     | How much more time (in percent) did you need to sort the plums due to the spotted-wing drosophila?[other]                                      | number in percent not above 100<br>NA=no answer |
| qu_frucht         | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila? [Cacaks Fruchtbare] | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |
| qu_schon          | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila? [Cacaks Schöne]     | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |
| qu_dabro          | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila? [Dabrovice]         | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |

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| qu_elena   | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila? [Elena]            | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |
| qu_fellen  | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila?[Fellenberg]        | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |
| qu_felsina | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila? [Felsina]          | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |
| qu_fruh    | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila? [Frühe Fellenberg] | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |
| qu_jojo    | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila?[Jojo]              | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |
| qu_hanita  | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila? [Hanita]           | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |
| qu_hanka   | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila?[Hanka]             | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |
| qu_katinka | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila? [Katinka]          | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer |

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| qu_tegera          | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila?[Tegera]      | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer     |
| qu_tophit          | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila? [Tophit]     | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer     |
| qu_oth             | Was the plum quality upon delivery in the year 2017 subject to complaints due to infestation with spotted-wing drosophila?[other]       | A1=yes<br>A2=partially<br>A3=no<br>NA=no answer     |
| prev_meas_frucht   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[Cacaks Fruchtbare]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_frucht | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(check for infestation) [Cacaks Fruchtbare]   | 1= used strategy by the respondent<br>NA= no answer |
| net_frucht         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[Cacaks Fruchtbare]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_frucht        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[Cacaks Fruchtbare] | 1= used strategy by the respondent<br>NA= no answer |
| insect_frucht      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[Cacaks Fruchtbare]             | 1= used strategy by the respondent<br>NA= no answer |



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| eharv_frucht      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[Cacaks Fruchtbare]        | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_frucht   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[Cacaks Fruchtbare]                | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_frucht     | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[Cacaks Fruchtbare]                 | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_schon   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[Cacaks Schöne]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_schon | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[Cacaks Schöne]   | 1= used strategy by the respondent<br>NA= no answer |
| net_schon         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[Cacaks Schöne]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_schon        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[Cacaks Schöne] | 1= used strategy by the respondent<br>NA= no answer |
| insect_schon      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[Cacaks Schöne]             | 1= used strategy by the respondent<br>NA= no answer |

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| eharv_schon       | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[Cacaks Schöne]        | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_schon    | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[Cacaks Schöne]                | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_schon      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[Cacaks Schöne]                 | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_dabro   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[Dabrovice]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_dabro | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[Dabrovice]   | 1= used strategy by the respondent<br>NA= no answer |
| net_dabro         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[Dabrovice]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_dabro        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[Dabrovice] | 1= used strategy by the respondent<br>NA= no answer |
| insect_dabro      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[Dabrovice]             | 1= used strategy by the respondent<br>NA= no answer |

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|-------------------|---|---|
| eharv_dabro       | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[Dabrovice]        | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_dabro    | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[Dabrovice]                | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_dabro      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[Dabrovice]                 | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_elena   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements))[Elena]    | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_elena | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[Elena]   | 1= used strategy by the respondent<br>NA= no answer |
| net_elena         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[Elena]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_elena        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[Elena] | 1= used strategy by the respondent<br>NA= no answer |
| insect_elena      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[Elena]             | 1= used strategy by the respondent<br>NA= no answer |

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| eharv_elena        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[Elena]                 | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_elena     | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[Elena]                         | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_elena       | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[Elena]                          | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_fellen   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[Fellenberg]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_fellen | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[Fellenberg]   | 1= used strategy by the respondent<br>NA= no answer |
| net_fellen         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[Fellenberg]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_fellen        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[Fellenberg] | 1= used strategy by the respondent<br>NA= no answer |
| insect_fellen      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[Fellenberg]             | 1= used strategy by the respondent<br>NA= no answer |

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| eharv_fellen        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[Fellenberg]         | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_fellen     | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[Fellenberg]                 | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_fellen       | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[Fellenberg]                  | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_felsina   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[Felsina]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_felsina | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[Felsina]   | 1= used strategy by the respondent<br>NA= no answer |
| net_felsina         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[Felsina]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_felsina        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[Felsina] | 1= used strategy by the respondent<br>NA= no answer |
| insect_felsina      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[Felsina]             | 1= used strategy by the respondent<br>NA= no answer |

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|------------------|--|---|
| eharv_felsina    | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[Felsina]                     | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_felsina | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[Felsina]                             | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_felsina   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[Felsina]                              | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_fruh   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[Frühe Fellenberg]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_fruh | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[Frühe Fellenberg]   | 1= used strategy by the respondent<br>NA= no answer |
| net_fruh         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[Frühe Fellenberg]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_fruh        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[Frühe Fellenberg] | 1= used strategy by the respondent<br>NA= no answer |
| insect_fruh      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[Frühe Fellenberg]             | 1= used strategy by the respondent<br>NA= no answer |

|                  |   |   |
|------------------|---|---|
| eharv_fruh       | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[Frühe Fellenberg] | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_fruh    | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[Frühe Fellenberg]         | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_fruh      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[Frühe Fellenberg]          | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_jojo   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[jojo]      | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_jojo | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[jojo]    | 1= used strategy by the respondent<br>NA= no answer |
| net_jojo         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[jojo]      | 1= used strategy by the respondent<br>NA= no answer |
| mcol_jojo        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[jojo]  | 1= used strategy by the respondent<br>NA= no answer |
| insect_jojo      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[jojo]              | 1= used strategy by the respondent<br>NA= no answer |

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| eharv_jojo         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[jojo]              | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_jojo      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[jojo]                      | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_jojo        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[jojo]                       | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_hanita   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[hanita]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_hanita | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[hanita]   | 1= used strategy by the respondent<br>NA= no answer |
| net_hanita         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[hanita]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_hanita        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[hanita] | 1= used strategy by the respondent<br>NA= no answer |
| insect_hanita      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[hanita]             | 1= used strategy by the respondent<br>NA= no answer |



|                   |   |   |
|-------------------|---|---|
| eharv_hanita      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[hanita]           | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_hanita   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[hanita]                   | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_hanita     | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[hanita]                    | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_hanka   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[hanka]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_hanka | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[hanka]   | 1= used strategy by the respondent<br>NA= no answer |
| net_hanka         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[hanka]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_hanka        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[hanka] | 1= used strategy by the respondent<br>NA= no answer |
| insect_hanka      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[hanka]             | 1= used strategy by the respondent<br>NA= no answer |

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|---------------------|--|---|
| eharv_hanka         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[hanka]             | 1= used strategy by the respondent<br>NA= no answer   |
| othstrat_hanka      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[hanka]                     | 1= used strategy by the respondent<br>NA= no answer   |
| nstrat_hanka        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[hanka]                      | 1= used strategy by the respondent<br>NA= no answer   |
| prev_meas_katinka   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[katinka]    | 1= used strategy by the respondent<br>NA= no answer   |
| contr_infes_katinka | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[katinka]  | 1= used strategy by the respondent<br>NA= no answer   |
| net_katinka         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[katinka]    | 1= used strategy by the respondent<br>0= not a used strategy by the respondent<br>NA= no answer |
| mcol_katinka        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)katinka] | 1= used strategy by the respondent<br>NA= no answer   |

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| insect_katinka     | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[katinka]            | 1= used strategy by the respondent<br>NA= no answer |
| eharv_katinka      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[katinka]           | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_katinka   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[katinka]                   | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_katinka     | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[katinka]                    | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_tegera   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements))[tegera]    | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_tegera | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[tegera]   | 1= used strategy by the respondent<br>NA= no answer |
| net_tegera         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[tegera]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_tegera        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[tegera] | 1= used strategy by the respondent<br>NA= no answer |

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| insect_tegera      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[tegera]             | 1= used strategy by the respondent<br>NA= no answer |
| eharv_tegera       | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[tegera]            | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_tegera    | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[tegera]                    | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_tegera      | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[tegera]                     | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_tophit   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[tophit]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_tophit | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[tophit]   | 1= used strategy by the respondent<br>NA= no answer |
| net_tophit         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[tophit]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_tophit        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[tophit] | 1= used strategy by the respondent<br>NA= no answer |

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|-----------------|---|---|
| insect_tophit   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[tophit]            | 1= used strategy by the respondent<br>NA= no answer |
| eharv_tophit    | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[tophit]           | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_tophit | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[tophit]                   | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_tophit   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[tophit]                    | 1= used strategy by the respondent<br>NA= no answer |
| prev_meas_oth   | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(hygiene measurements)[other]     | 1= used strategy by the respondent<br>NA= no answer |
| contr_infes_oth | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(control of infestation)[other]   | 1= used strategy by the respondent<br>NA= no answer |
| net_oth         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(installation of nets)[other]     | 1= used strategy by the respondent<br>NA= no answer |
| mcol_oth        | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(mass collection in traps)[other] | 1= used strategy by the respondent<br>NA= no answer |

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| insect_oth         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(insecticides)[other]  | 1= used strategy by the respondent<br>NA= no answer |
| eharv_oth          | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(early harvest)[other] | 1= used strategy by the respondent<br>NA= no answer |
| othstrat_oth       | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(other)[other]         | 1= used strategy by the respondent<br>NA= no answer |
| nstrat_oth         | Which strategies against the spotted-wing drosophila did you choose for each plum variety?(none)[other]          | 1= used strategy by the respondent<br>NA= no answer |
| othstratyp_frucht  | Which other measures did you take per plum variety?[Cacaks Fruchtbare]   | Text<br>NA=no answer                                |
| othstratyp_schon   | Which other measures did you take per plum variety?[Cacaks Schöne]   | Text<br>NA=no answer                                |
| othstratyp_dabro   | Which other measures did you take per plum variety? [Dabrovice]  | Text<br>NA=no answer                                |
| othstratyp_elena   | Which other measures did you take per plum variety?[Elena]   | Text<br>NA=no answer                                |
| othstratyp_fellen  | Which other measures did you take per plum variety?[Fellenberg]  | Text<br>NA=no answer                                |
| othstratyp_felsina | Which other measures did you take per plum variety?[Felsina]   | Text<br>NA=no answer                                |
| othstratyp_fruh    | Which other measures did you take per plum variety?[Frühe Fellenberg]  | Text<br>NA=no answer                                |

|                       |  |  |
|-----------------------|--|--|
| othstratyp_jojo       | Which other measures did you take per plum variety?[Jojo]                                | Text<br>NA=no answer                                       |
| othstratyp_hanita     | Which other measures did you take per plum variety?[Hanita]                              | Text<br>NA=no answer                                       |
| othstratyp_hanka      | Which other measures did you take per plum variety?[Hanka]                               | Text<br>NA=no answer                                       |
| othstratyp_katinka    | Which other measures did you take per plum variety?[Katinka]                             | Text<br>NA=no answer                                       |
| othstratyp_tegera     | Which other measures did you take per plum variety?[Tegera]                              | Text<br>NA=no answer                                       |
| othstratyp_tophit     | Which other measures did you take per plum variety?[Tophit]                              | Text<br>NA=no answer                                       |
| othstratyp_oth        | Which other measures did you take per plum variety?[Other]                               | Text<br>NA=no answer                                       |
| mowing_grass          | Which hygiene measurements did you take?(pinching back of foliage)                       | 1=used strategy<br>0=not used<br>strategy<br>NA= no answer |
| premature_harv        | Which hygiene measurements did you take?(early harvest)                                  | 1=used strategy<br>0=not used<br>strategy<br>NA= no answer |
| clean_harv            | Which hygiene measurements did you take?(clean harvest per variety (no residual fruits)) | 1=used strategy<br>0=not used<br>strategy<br>NA= no answer |
| harvest_residue_field | Which hygiene measurements did you take?(harvest residue removed from plumyard)          | 1=used strategy<br>0=not used<br>strategy<br>NA= no answer |

|                            |  |   |
|----------------------------|--|---|
| harvest_residue_mulched    | Which hygiene measurements did you take?(harvest residue mulched)  | 1=used strategy<br>0=not used strategy<br>NA= no answer   |
| other_measure_preventative | Which hygiene measurements did you take?(other)  | Text  |
| visual_control             | How did you control the infestation? (visual control)  | 1=took<br>0=didn't take<br>NA=no answer                   |
| salt_control               | How did you control the infestation? (salt test)   | 1=took<br>0=didn't take<br>NA=no answer                   |
| warm_water_control         | How did you control the infestation? (soap- / warm-water control)  | 1=took<br>0=didn't take<br>NA=no answer                   |
| special_units_control      | How did you control the infestation? (control through specialist units)  | 1=took<br>0=didn't take<br>NA=no answer                   |
| trap_control               | How did you control the infestation? (traps)   | 1=took<br>0=didn't take<br>NA=no answer                   |
| control_measure_other      | How did you control the infestation? (other measures)  | Text<br>0=no other control measures<br>NA=no answer       |
| net_hail_frucht            | What's the concept of weather and insect net protection for your installation?(Hail protection)[Cacaks Fruchtbare] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |



|                       |  |   |
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| net_bird_frucht       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Cacaks Fruchtbare]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_frucht | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Cacaks Fruchtbare]   | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_frucht       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Cacaks Fruchtbare] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_frucht   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Cacaks Fruchtbare] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_schon        | What's the concept of weather and insect net protection for your installation?(Hail protection)[Cacaks Schöne]           | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_schon        | What's the concept of weather and insect net protection for your installation?(Bird protection)[Cacaks Schöne]           | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_schon  | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Cacaks Schöne]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_schon        | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Cacaks Schöne]     | 1= Have this net<br>0=Don't have this net<br>NA=No answer |

|                      |  |   |
|----------------------|--|---|
| entrance_net_schon   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Cacaks Schöne] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_dabro       | What's the concept of weather and insect net protection for your installation?(Hail protection)[Dabrovice]           | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_dabro       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Dabrovice]           | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_dabro | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Dabrovice]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_dabro       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Dabrovice]     | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_dabro   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Dabrovice]     | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_elena       | What's the concept of weather and insect net protection for your installation?(Hail protection)[Elena]               | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_elena       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Elena]               | 1= Have this net<br>0=Don't have this net<br>NA=No answer |

|                       |   |   |
|-----------------------|---|---|
| net_lat_insect_elena  | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Elena]        | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_elena        | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Elena]      | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_elena    | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Elena]      | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_fellen       | What's the concept of weather and insect net protection for your installation?(Hail protection)[Fellenberg]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_fellen       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Fellenberg]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_fellen | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Fellenberg]   | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_fellen       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Fellenberg] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_fellen   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Fellenberg] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |

|                        |   |   |
|------------------------|---|---|
| net_hail_felsina       | What's the concept of weather and insect net protection for your installation?(Hail protection)[Felsina]              | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_felsina       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Felsina]              | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_felsina | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Felsina]          | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_felsina       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Felsina]        | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_felsina   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Felsina]        | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_fruh          | What's the concept of weather and insect net protection for your installation?(Hail protection)[Frühe Fellenberg]     | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_fruh          | What's the concept of weather and insect net protection for your installation?(Bird protection)[Frühe Fellenberg]     | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_fruh    | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Frühe Fellenberg] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |

|                     |   |   |
|---------------------|---|---|
| roof_net_fruh       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Frühe Fellenberg] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_fruh   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Frühe Fellenberg] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_jojo       | What's the concept of weather and insect net protection for your installation?(Hail protection)[Jojo]                   | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_jojo       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Jojo]                   | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_jojo | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Jojo]               | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_jojo       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Jojo]             | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_jojo   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Jojo]             | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_hanita     | What's the concept of weather and insect net protection for your installation?(Hail protection)[Hanita]                 | 1= Have this net<br>0=Don't have this net<br>NA=No answer |

|                       |   |   |
|-----------------------|---|---|
| net_bird_hanita       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Hanita]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_hanita | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Hanita]   | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_hanita       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Hanita] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_hanita   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Hanita] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_hanka        | What's the concept of weather and insect net protection for your installation?(Hail protection)[Hanka]        | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_hanka        | What's the concept of weather and insect net protection for your installation?(Bird protection)[Hanka]        | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_hanka  | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Hanka]    | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_hanka        | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Hanka]  | 1= Have this net<br>0=Don't have this net<br>NA=No answer |

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|------------------------|--|---|
| entrance_net_hanka     | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Hanka]   | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_katinka       | What's the concept of weather and insect net protection for your installation?(Hail protection)[Katinka]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_katinka       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Katinka]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_katinka | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Katinka]   | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_katinka       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Katinka] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_katinka   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Katinka] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_tegera        | What's the concept of weather and insect net protection for your installation?(Hail protection)[Tegera]        | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_tegera        | What's the concept of weather and insect net protection for your installation?(Bird protection)[Tegera]        | 1= Have this net<br>0=Don't have this net<br>NA=No answer |

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|-----------------------|---|---|
| net_lat_insect_tegera | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Tegera]   | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_tegera       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Tegera] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_tegera   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Tegera] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_hail_tophit       | What's the concept of weather and insect net protection for your installation?(Hail protection)[Tophit]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_bird_tophit       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Tophit]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| net_lat_insect_tophit | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Tophit]   | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| roof_net_tophit       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Tophit] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |
| entrance_net_tophit   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Tophit] | 1= Have this net<br>0=Don't have this net<br>NA=No answer |



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| net_hail_oth       | What's the concept of weather and insect net protection for your installation?(Hail protection)[Other]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer   |
| net_bird_oth       | What's the concept of weather and insect net protection for your installation?(Bird protection)[Other]       | 1= Have this net<br>0=Don't have this net<br>NA=No answer   |
| net_lat_insect_oth | What's the concept of weather and insect net protection for your installation?(lateral insect nets)[Other]   | 1= Have this net<br>0=Don't have this net<br>NA=No answer   |
| roof_net_oth       | What's the concept of weather and insect net protection for your installation?(netting of tree crown)[Other] | 1= Have this net<br>0=Don't have this net<br>NA=No answer   |
| entrance_net_oth   | What's the concept of weather and insect net protection for your installation?("Vorhaupt eingenetzt")[Other] | 1= Have this net<br>0=Don't have this net<br>NA=No answer   |
| size_net_small     | What's the mesh size of your nets?(0.4 to 0.8 mm (incl. 0.8x0.8mm))  | 1=have this size<br>0=don't have this size<br>NA= no answer |
| size_net_medium    | What's the mesh size of your nets?(0.8 to 1.3 mm (incl 1.3 x 1.3 mm))  | 1=have this size<br>0=don't have this size<br>NA= no answer |
| size_net_wide      | What's the mesh size of your nets?(1.3 to 1.7 mm (incl. 1.7 x 1.7 mm))                                       | 1=have this size<br>0=don't have this size<br>NA= no answer |

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|--------------------|--|--|
| insecti_thia       | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (Thiacloprid (e.g. Alanto*))                 | 1=used this insecticide<br>0=did not use this insecticide<br>NA= no answer |
| freq_insecti_thia  | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (Thiacloprid (e.g. Alanto*))                 | Numbers<br>NA=no answer  |
| insecti_spino      | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (Spinosad (e.g. Audienz*))                   | 1=used this insecticide<br>0=did not use this insecticide<br>NA= no answer |
| freq_insecti_spino | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (Spinosad (e.g. Audienz*))                   | Numbers<br>NA=no answer  |
| insecti_aceta      | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (Acetamiprid (e.g. Gazelle SG*))             | 1=used this insecticide<br>0=did not use this insecticide<br>NA= no answer |
| freq_insecti_aceta | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (Acetamiprid (e.g. Gazelle SG*))             | Numbers<br>NA=no answer  |
| insecti_pyr        | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (Pyrethrine (e.g. Parexan N* or Pyrethrum*)) | 1=used this insecticide<br>0=did not use this insecticide<br>NA= no answer |
| freq_insecti_pyr   | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (Pyrethrine (e.g. Parexan N* or Pyrethrum*)) | Numbers<br>NA=no answer  |

|                      |   |   |
|----------------------|---|---|
| insecti_otherin      | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (other) | Text<br>NA=no answer  |
| freq_insecti_otherin | Use of insecticides: Which substances did you use against the spotted-wing drosophila and how often per year? Please indicate the number of treatments in the field on the right hand side. (other) | Numbers<br>NA=no answer   |
| add_ds_cost          | How high do you estimate the additional costs (in percent) per kilogram yield that have arisen from to the measures against the spotted-wing drosophila?  | A1= 0%<br>A2= 1-5%<br>A3= 6-10%<br>A4= 11-15%<br>A5= 16-20%<br>A6= 21-25%<br>A7= 26-30%<br>A8= >30%<br>NA=no answer |
| thia_plum_moth       | Did you use Thiacloprid against the plum tortrix?   | 1=yes<br>0=no<br>NA=no answer   |
| satisf_frucht        | How satisfied are you with your chosen strategies per variety? [Cacaks Fruchtbare]  | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer  |
| satisf_schon         | How satisfied are you with your chosen strategies per variety? [Cacaks Schöne]  | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer  |

|                |   |  |
|----------------|---|--|
| satisf_dabro   | How satisfied are you with your chosen strategies per variety? [Dabrovice]  | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| satisf_elena   | How satisfied are you with your chosen strategies per variety? [Elena]      | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| satisf_fellen  | How satisfied are you with your chosen strategies per variety? [Fellenberg] | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| satisf_felsina | How satisfied are you with your chosen strategies per variety? [Felsina]    | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |

|               |   |  |
|---------------|---|--|
| satisf_fruh   | How satisfied are you with your chosen strategies per variety? [Frühe Fellenberg] | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| satisf_jojo   | How satisfied are you with your chosen strategies per variety? [Jojo]             | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| satisf_hanita | How satisfied are you with your chosen strategies per variety? [Hanita]           | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| satisf_hanka  | How satisfied are you with your chosen strategies per variety? [Hanka]            | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |

|                        |  |  |
|------------------------|--|--|
| satisf_katinka         | How satisfied are you with your chosen strategies per variety? [Katinka]   | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| satisf_tegera          | How satisfied are you with your chosen strategies per variety? [Tegera]  | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| satisf_tophit          | How satisfied are you with your chosen strategies per variety? [Tophit]  | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| satisf_oth             | How satisfied are you with your chosen strategies per variety? [Other]   | 1=very<br>unsatisfied<br>2<br>3<br>4<br>5=very satisfied<br>NA=no answer |
| future_diff_satisf     | If you weren't satisfied, what would you do differently in the future?   | Text   |
| min_clearing_varieties | How will you minimize the infestation with spotted-wing drosophila in the future?(clearing of susceptible varieties) | 1= yes<br>0=no<br>NA=no answer   |

|                      |   |                                |
|----------------------|---|--------------------------------|
| min_insecti          | How will you minimize the infestation with spotted-wing drosophila in the future?(insecticides)                   | 1= yes<br>0=no<br>NA=no answer |
| min_lat_net          | How will you minimize the infestation with spotted-wing drosophila in the future?(lateral nets)                   | 1= yes<br>0=no<br>NA=no answer |
| min_complete_lat     | How will you minimize the infestation with spotted-wing drosophila in the future?(full netting of trees)          | 1= yes<br>0=no<br>NA=no answer |
| min_trap             | How will you minimize the infestation with spotted-wing drosophila in the future? (traps)                         | 1= yes<br>0=no<br>NA=no answer |
| min_kao              | How will you minimize the infestation with spotted-wing drosophila in the future?(kaolin)                         | 1= yes<br>0=no<br>NA=no answer |
| min_lime             | How will you minimize the infestation with spotted-wing drosophila in the future?(slaked lime)                    | 1= yes<br>0=no<br>NA=no answer |
| min_stronger_hygiene | How will you minimize the infestation with spotted-wing drosophila in the future?(increased hygiene measurements) | 1= yes<br>0=no<br>NA=no answer |
| min_early_harv       | How will you minimize the infestation with spotted-wing drosophila in the future?(earlier harvesting)             | 1= yes<br>0=no<br>NA=no answer |
| min_no_measure       | How will you minimize the infestation with spotted-wing drosophila in the future? (no measures necessary)         | 1= yes<br>0=no<br>NA=no answer |
| min_other_measure    | How will you minimize the infestation with spotted-wing drosophila in the future?(other measures)                 | Text                           |

|                    |   |                                |
|--------------------|---|--------------------------------|
| inf_agro           | Where do you get your expertise about the spotted-wing drosophila?(Leaflets and Information from Agroscope)                     | 1= yes<br>0=no<br>NA=no answer |
| inf_canton         | Where do you get your expertise about the spotted-wing drosophila?(Leaflets and Information from the cantonal specialist units) | 1= yes<br>0=no<br>NA=no answer |
| inf_breitenhof     | Where do you get your expertise about the spotted-wing drosophila?(Breitenhof conferences)                                      | 1= yes<br>0=no<br>NA=no answer |
| inf_canton_meeting | Where do you get your expertise about the spotted-wing drosophila? (Cantonal orchard meetings)                                  | 1= yes<br>0=no<br>NA=no answer |
| inf_article        | Where do you get your expertise about the spotted-wing drosophila?(specialist articles / journals)                              | 1= yes<br>0=no<br>NA=no answer |
| inf_plant_news     | Where do you get your expertise about the spotted-wing drosophila?(plant protection news for fruit and vine cultivation)        | 1= yes<br>0=no<br>NA=no answer |
| inf_agridea        | Where do you get your expertise about the spotted-wing drosophila? (AGRIDEA)  | 1= yes<br>0=no<br>NA=no answer |
| inf_internet       | Where do you get your expertise about the spotted-wing drosophila?(internet)  | 1= yes<br>0=no<br>NA=no answer |
| inf_producers      | Where do you get your expertise about the spotted-wing drosophila?(other producers)   | 1= yes<br>0=no<br>NA=no answer |



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| inf_priv_sector            | Where do you get your expertise about the spotted-wing drosophila?(private sector)                                    | 1= yes<br>0=no<br>NA=no answer |
| inf_consult                | Where do you get your expertise about the spotted-wing drosophila?(consulting from plant protection firms)            | 1= yes<br>0=no<br>NA=no answer |
| inf_oth_symp               | Where do you get your expertise about the spotted-wing drosophila? (others (e.g. special symposiums))                 | Text                           |
| rad_forest                 | Are there any of the following elements in a 50m radius around your installations?(edge of the forest)                | 1= yes<br>0=no<br>NA=no answer |
| rad_hedge                  | Are there any of the following elements in a 50m radius around your installations?(hedges)                            | 1= yes<br>0=no<br>NA=no answer |
| rad_waters                 | Are there any of the following elements in a 50m radius around your installations?(waters)                            | 1= yes<br>0=no<br>NA=no answer |
| rad_high_cultivated_tree   | Are there any of the following elements in a 50m radius around your installations?(cultivated standard fruit trees)   | 1= yes<br>0=no<br>NA=no answer |
| rad_high_uncultivated_tree | Are there any of the following elements in a 50m radius around your installations?(uncultivated standard fruit trees) | 1= yes<br>0=no<br>NA=no answer |

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| rad_compost      | Are there any of the following elements in a 50m radius around your installations?(compost heap)  | 1= yes<br>0=no<br>NA=no answer |
| rad_berry        | Are there any of the following elements in a 50m radius around your installations? (fruit- or berry production)                                   | 1= yes<br>0=no<br>NA=no answer |
| rad_house_garden | Are there any of the following elements in a 50m radius around your installations?(house garden)  | 1= yes<br>0=no<br>NA=no answer |
| rad_building     | Are there any of the following elements in a 50m radius around your installations?(building)  | 1= yes<br>0=no<br>NA=no answer |
| rad_host_plants  | Are there any of the following elements in a 50m radius around your installations? (host plants (e.g. elder shrubs, blackberries, wild cherries)) | 1= yes<br>0=no<br>NA=no answer |
| rad_flowers      | Are there any of the following elements in a 50m radius around your installations?(flower strips for pollinators and other beneficial insects)    | 1= yes<br>0=no<br>NA=no answer |
| rad_fallows      | Are there any of the following elements in a 50m radius around your installations?(fallows)   | 1= yes<br>0=no<br>NA=no answer |

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| rad_arable_land    | Are there any of the following elements in a 50m radius around your installations?(seams on arable land)                   | 1= yes<br>0=no<br>NA=no answer   |
| rad_native_tree    | Are there any of the following elements in a 50m radius around your installations?(native, suited single trees and alleys) | 1= yes<br>0=no<br>NA=no answer   |
| rad_vines          | Are there any of the following elements in a 50m radius around your installations?(vineyards)                              | 1= yes<br>0=no<br>NA=no answer   |
| rad_other_elements | Are there any of the following elements in a 50m radius around your installations?(others)                                 | Text<br>NA=no answer   |
| rad_forest_infl    | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(edge of the forest) | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_hedge_infl     | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(hedges)             | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't                      |

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|                                 |   | know<br>NA=no answer   |
| rad_waters_infl                 | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(waters)                            | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_high_cultivated_tree_infl   | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(cultivated standard fruit trees)   | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_high_uncultivated_tree_infl | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(uncultivated standard fruit trees) | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |

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| rad_compost_infl      | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(compost heap)               | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_berry_infl        | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(fruit- or berry production) | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_house_garden_infl | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(house garden)               | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_building_infl     | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(building)                   | A1=No influence<br>A2=More infestation<br>A3=Less infestation                                    |

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|                      |  | A4=I don't know<br>NA=no answer  |
| rad_host_plants_infl | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?<br>(host plants (e.g. elder shrubs, blackberries, wild cherries)) | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_flowers_infl     | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(flower strips for pollinators and other beneficial insects)       | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_fallows_infl     | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(fallows)  | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |

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| rad_arable_land_infl    | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(seams on arable land)                   | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_native_tree_infl    | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(native, suited single trees and alleys) | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_vines_infl          | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(vineyards)                              | A1=No influence<br>A2=More infestation<br>A3=Less infestation<br>A4=I don't know<br>NA=no answer |
| rad_other_elements_infl | How do the elements from above influence the infestation with spotted-wing drosophila in your opinion?(others)                                 | A1=No influence<br>A2=More infestation<br>A3=Less infestation                                    |

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|                          |  | A4=I don't know<br>NA=no answer  |
| yield_expected           | How high is your expected yield loss caused by the spotted-wing drosophila for the next harvest (in percent)?  | A1=0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=No answer |
| additional_cost_expected | How much additional cost (in percent) do you expect in the coming year for the different measures you will take against the spotted-wing drosophila? | A1=0%<br>A2=1-5%<br>A3=6-10%<br>A4=11-15%<br>A5=16-20%<br>A6=21-25%<br>A7=26-30%<br>A8= >30%<br>NA=No answer |
| focus_plums              | What's the focus of your farm? (plum production)   | 1= yes<br>0=no<br>NA=no answer   |
| focus_orch_viti          | What's the focus of your farm? (Orcharding and viticulture)  | 1= yes<br>0=no<br>NA=no answer   |



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| focus_stofruit   | What's the focus of your farm? (Stone fruit production (cherries/plums/apricots)) | 1= yes<br>0=no<br>NA=no answer  |
| focus_pomfruit   | What's the focus of your farm? (Pome production (apples/pears))                   | 1= yes<br>0=no<br>NA=no answer  |
| focus_postofruit | What's the focus of your farm? (pome and stone fruit production)                  | 1= yes<br>0=no<br>NA=no answer  |
| focus_mixfarm    | What's the focus of your farm? (mixed farm - fruit growing and livestock farming) | 1= yes<br>0=no<br>NA=no answer  |
| focus_other      | What's the focus of your farm? (others)   | 1= yes<br>0=no<br>NA=no answer  |
| focus_othfo_text | Please specify: (when other focus)  | A1= Stone fruit production (cherries/plums /apricots);<br>A2=Pome production (apples / pears) |
| prod_orgf        | Do you manage your farm organically?  | 1= yes<br>0=no<br>NA=no answer  |
| man_pow          | How many units of standard manpower does your farm have?                          | Numbers<br>NA=no answer   |
| surf_farm        | What's your total farmland in Are?  | Numbers<br>NA=no answer   |

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| leas_surf             | Which share of your farmland are you leasing?                     | A1=0-25%<br>A2=26-50%<br>A3=51-75%<br>A4=76-100%<br>NA=no answer |
| mg_plums_commerce     | How are you marketing your plums (in percent)?(commerce)          | Numbers<br>NA=no answer  |
| mg_plums_distributor  | How are you marketing your plums (in percent)?(large distributor) | Numbers<br>NA=no answer  |
| mg_plums_direct Markt | How are you marketing your plums (in percent)?(direct selling)    | Numbers<br>NA=no answer  |
| mg_plums_other        | How are you marketing your plums (in percent)?(other)             | Numbers<br>NA=no answer  |
| mg_plums_othtext      | Which other marketing strategy?                                   | Text<br>NA=no answer   |
| insurance_hail        | Do you have a hail insurance? (YES)                               | 1=Yes<br>0=No<br>NA=No answer                                    |
| standard_insurance    | Which hail insurance do you have? (standard)                      | 1=Yes<br>0=No<br>NA=No answer                                    |
| enhanced_insurance    | Which hail insurance do you have? (enhanced)                      | 1=Yes<br>0=No<br>NA=No answer                                    |
| fix_insurance         | Which hail insurance do you have?(fix)                            | 1=Yes<br>0=No<br>NA=No answer                                    |

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| frost_insurance_y     | Are you going to buy an additional insurance (Suisse Grêle) against frost for your fruits next year?                        | 1=Yes<br>0=No<br>NA=No answer   |
| frost_insurance_n     | Are you going to buy an additional insurance (Suisse Grêle) against frost for your fruits next year?                        | 1 = No<br>0=Yes<br>NA=No answer |
| frost_insurance_maybe | Are you going to buy an additional insurance (Suisse Grêle) against frost for your fruits next year?                        | 1=Maybe<br>0= No or yes         |
| diversification       | Which of the following strategies are you employing on your farm?(agriculture related diversification (e.g. agrotourism))   | 1=Yes<br>0=No<br>NA=No answer   |
| work_offfarm          | Which of the following strategies are you employing on your farm? (working off-farm (e.g. consulting, tourism))             | 1=Yes<br>0=No<br>NA=No answer   |
| creat_finance_reserve | Which of the following strategies are you employing on your farm? (creation of financial reserves (saving for bad times))   | 1=Yes<br>0=No<br>NA=No answer   |
| investment_offfarm    | Which of the following strategies are you employing on your farm? (off-farm investment (e.g. other companies, real estate)) | 1=Yes<br>0=No<br>NA=No answer   |

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| process_direct_mg     | Which of the following strategies are you employing on your farm? (processing and direct marketing) | 1=Yes<br>0=No<br>NA=No answer                                    |
| forest_work           | Which of the following strategies are you employing on your farm? (forestry work)                   | 1=Yes<br>0=No<br>NA=No answer                                    |
| strategies_type       | Which of the following strategies are you employing on your farm? (other strategies)                | Text<br>NA=No answer   |
| farm_earning_percent  | Which percentage of your earnings are from farming?   | A1=0-25%<br>A2=26-50%<br>A3=51-75%<br>A4=76-100%<br>NA=No answer |
| plums_earning_percent | How much is the plums production contributing to your earnings (in percent)?                        | A1=0-25%<br>A2=26-50%<br>A3=51-75%<br>A4=76-100%<br>NA=No answer |
| gender                | Gender  | 1=Male<br>0=Female<br>NA=No answer                               |
| year_b                | In which year are you born?   | Numbers<br>NA=No answer  |

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| successor | Do you have a successor to your farm?  | 1=Yes<br>0=No<br>NA=No answer  |
| prod_risk | Are you willing to take risks or do you try to mitigate risks in the areas mentioned below? (Production) | A1=not willing to take a risk at all<br>A2=1<br>A3=2<br>A4=3<br>A5=4<br>A6=5<br>A7=6<br>A8=7<br>A9=8<br>A10=9<br>A11=very willing to take a risk |

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| market_risk         | Are you willing to take risks or do you try to mitigate risks in the areas mentioned below? (Market and prices)  | A1=not willing to take a risk at all<br>A2=1<br>A3=2<br>A4=3<br>A5=4<br>A6=5<br>A7=6<br>A8=7<br>A9=8<br>A10=9<br>A11=very willing to take a risk |
| extern_finance_risk | Are you willing to take risks or do you try to mitigate risks in the areas mentioned below? (external financing) | A1=not willing to take a risk at all<br>A2=1<br>A3=2<br>A4=3<br>A5=4<br>A6=5<br>A7=6<br>A8=7<br>A9=8<br>A10=9<br>A11=very willing to take a risk |

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| agri_risk | Are you willing to take risks or do you try to mitigate risks in the areas mentioned below? (agriculture in general) | A1=not willing to take a risk at all<br>A2=1<br>A3=2<br>A4=3<br>A5=4<br>A6=5<br>A7=6<br>A8=7<br>A9=8<br>A10=9<br>A11=very willing to take a risk |
| feedback  | Do you want to receive the results of the study?   | 1=Yes<br>0 =No<br>NA=No answer   |

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| vouchers      | Do you want to participate to the lottery draw to win 4 LANDI vouchers of 50 CHF? | 1=Yes<br>0=No<br>NA= No answer                       |
| interviewtime |   | Time needed in minutes to fill the survey (seconds)  |
| cantons       |   | Cantons of respondents based on postal code provided |