

Survey on costs and usage of soil protection practices

Thank you for your interest in the survey. Completing the questionnaire takes about **25-30 minutes**.

Completion of the survey entitles you to be entered into a prize draw of **Supermarket vouchers**. For this there will be 100 recipients of vouchers worth **150 CHF** for the lucky winners to spend as they wish. As a further reward for answering all questions, you will be entitled to a **personalized farm benchmarking** report that will be sent once the data from all participants has been analysed.

We are interested in better understanding the farm manager's decision-making with regard to the choice of **soil health practices** available, and how farm managers implement them on their arable land with a special focus on wheat production. Our aim is to consider a **wide range of perspectives** and gather insights from different angles in order to gain in-depth knowledge.

Your data and information will of course be kept strictly confidential and will be used anonymously for scientific purposes only. Please note that your participation is entirely voluntary and you may withdraw your participation at any time.

We thank you very much for your participation!

Prior to commencing the survey, we kindly request your consent to associate your survey responses with publicly accessible geospatial data pertaining to your farm, which is openly accessible via your local cantonal authority on the geodienste.ch (<http://geodienste.ch>) platform. We may exclusively employ this data for scientific research purposes. Please note that we implement very stringent data protection protocols. If you wish to find out more on this, please read through the attached information sheet.

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There are 55 questions in this survey.

Farm information

1 In which Kanton is your farm located? *

Please choose **only one** of the following:

- ☐ Aargau
- ☐ Appenzell Innerrhoden
- ☐ Appenzell Ausserrhoden
- ☐ Bern
- ☐ Basel-Landschaft
- ☐ Basel-Stadt
- ☐ Freiburg
- ☐ Genf
- ☐ Glarus
- ☐ Graubünden
- ☐ Jura
- ☐ Luzern
- ☐ Neuenburg
- ☐ Nidwalden
- ☐ Obwalden
- ☐ Solothurn
- ☐ Schaffhausen
- ☐ St. Gallen
- ☐ Schwyz
- ☐ Thurgau
- ☐ Tessin
- ☐ Uri
- ☐ Waadt
- ☐ Wallis
- ☐ Zug
- ☐ Zürich

2 What is the postcode of your farm? *

Please write your answer here:

Please type the poscode in the box.

3 Did you participate in the cropping season 2023 in any of the following federal subsidy schemes? *

Please choose **all** that apply:

- ☐ Beitrag für biologische Landwirtschaft (Organic Farming Subsidy)
- ☐ Angemessene Bedeckung des Bodens (Continual Soil Cover Subsidy)
- ☐ Schonende Bodenbearbeitung (Reduced Tillage Scheme)
- ☐ Verzicht auf Herbizide (Avoidance of Herbicide Scheme)
- ☐ Verzicht auf Pflanzenschutzmittel im Ackerbau (Avoidance of Pesticide Scheme)
- ☐ Effizienter Stickstoffeinsatz (Efficient Nitrogen Application Scheme)
- ☐ Getreide in weiter Reihe (Planting Cereals in Wider Rows Subsidy)
- ☐ Nützlingsstreifen auf offener Ackerfläche (Protection Strips on Arable Land Scheme)
- ☐ Einsatz präziser Applikationstechnik bei Pflanzenschutzmitteln (Use of Precision Applicators for Pesticides Scheme)
- ☐ Keine der oben genannten Möglichkeiten (None of above)

4 Are you currently involved in any other regional or cantonal projects aimed at improving arable crop production practices? *

Please choose **only one** of the following:

- ☐ No
- ☐ Yes

For example, resource projects.

5 Please could you tell us the name of the project(s) that you were or are involved in? *

Only answer this question if the following conditions are met:

((ID004.NAOK (/index.php/admin/questions/sa/view/surveyid/239267/gid/5542/qid/102294) == "A2" or ID004.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5542/qid/102294) == "A3"))

Please choose **all** that apply:

- ☐ AgroCO2ncept
- ☐ Agro4esterie
- ☐ Berner Pflanzenschutzprojekt
- ☐ Bodenverbesserung Seeland
- ☐ Erosion der landwirtschaftlichen Böden
- ☐ Klimaneutrale Landwirtschaft Graubünden
- ☐ Klimaschutz durch Humusaufbau
- ☐ KlimaStaR
- ☐ PFLOPF - Pflanzenschutzopti mierung mit Precision Farming
- ☐ Qualité des sols et séquestration du carbone organique
- ☐ Regenerative Landwirtschaft Regionaler Naturpark
- ☐ Rés0sem
- ☐ Ressourcenprogramm Humus
- ☐ Ressourcenschonende Massnahmen im Ackerbau zur Förderung der Biodiversität
- ☐ PestiRed
- ☐ RISC – Réflexion Innovation Soutien Climat
- ☐ Stickstoffeffizienz steigern und Stickstoffverlustrisiken reduzieren
- ☐ Terres Vivantes
- ☐ Verluste von Pflanzenschutzmitteln, Nährstoffen und Boden vermeiden
- ☐ Zielorientierte Biodiversitätsförderung
- ☐ Zweitmelioration Brüttelen – Treiten

☐ Other projects::

6 Do you currently receive cantonal contributions to improve arable crop production systems? *



Please choose **all** that apply:

☐ Canton-specific subsidies to promote production methods that improve the health / fertility / structure of arable land

☐ Canton-specific subsidies to promote production methods that reduce the use of pesticides

☐ Cantonal credit, subsidy or investment schemes for the purchase of agricultural machinery and equipment for cultivation or plant protection

☐ None of the above

Cantonal support variances or repayable and non-repayable cantonal investment credits for resource protection measures.

Details on the person completing the survey

7 What was your year of birth? *

 Only an integer value may be entered in this field.

Please write your answer here:

8 What is your gender?

Please choose **only one** of the following:

☐ Female

☐ Male

9 Are you responsible for making decisions regarding arable cropping on the farm? *

Please choose **only one** of the following:

☐ No

☐ Yes

10 In which year did you take on management of the arable cropping on the farm? *

Only answer this question if the following conditions are met:

((MC003.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5543/qid/102299) == "A2"))

❗ Only an integer value may be entered in this field.

❗ This answer must be higher than the year of birth

Please write your answer here:

11 Are you involved in the decision making regarding arable cropping? *

Only answer this question if the following conditions are met:

((MC003.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5543/qid/102299) == "A1"))

Please choose **only one** of the following:

☐ No

☐ Yes

12 You have indicated that you are not involved in decisions about arable farming on the farm. Would you still like to complete the survey? *

Only answer this question if the following conditions are met:

((MC003S2.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5543/qid/102301) == "A1"))

Please choose **only one** of the following:

☐ No

☐ Yes

If you nevertheless decide to take part in the survey, your data will also be taken into account in our evaluation.

Arable land and practice adoption

We would like to know more about your knowledge of agricultural practices, as well as their application on your own farmland.

13 How do you rate your level of knowledge for the following practices? *

Please choose the appropriate response for each item:

	Nil	Low	Medium	High	Extensive
Strip Tillage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mulch Tillage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Zero Tillage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Contour Farming (cultivating and sowing crops across slopes also known as contour-parallel cultivation)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deep non-turning tillage (mechanical soil loosening below the usual tillage depth. Soil surface is not distributed or inverted)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Controlled Traffic Farming (Operating all machinery for several years only on designated tramlines)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mechanical treatment to mulch crop residues (e.g. using straw rake or mulcher)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Under-sowing of main crops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sowing catch crops or green manures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Application of biochar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Application of compost	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check the soil condition before driving over it with machines (i.e. spade sample test to ensure that the soil can be driven on)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14 Do you know any farmers who use the following practices? *

Please choose the appropriate response for each item:

	No	Yes
Strip Tillage	<input type="radio"/>	<input type="radio"/>
Mulch Tillage	<input type="radio"/>	<input type="radio"/>
Zero Tillage	<input type="radio"/>	<input type="radio"/>
Contour Farming (cultivating and sowing crops across slopes also known as contour-parallel cultivation)	<input type="radio"/>	<input type="radio"/>
Deep non-turning tillage (mechanical soil loosening below the usual tillage depth. Soil surface is not distributed or inverted)	<input type="radio"/>	<input type="radio"/>
Controlled Traffic Farming (Operating all machinery for several years only on designated tramlines)	<input type="radio"/>	<input type="radio"/>
Mechanical treatment to mulch crop residues (e.g. using straw rake or mulcher)	<input type="radio"/>	<input type="radio"/>
Under-sowing of main crops	<input type="radio"/>	<input type="radio"/>
Sowing catch crops or green manures	<input type="radio"/>	<input type="radio"/>
Application of biochar	<input type="radio"/>	<input type="radio"/>

	No	Yes
Application of compost	<input type="radio"/>	<input type="radio"/>
Check the soil condition before driving over it with machines (i.e. spade sample test to ensure that the soil can be driven on)	<input type="radio"/>	<input type="radio"/>

15 Have you ever used the following practices on your arable land? *

Please choose the appropriate response for each item:

	No	Yes
Strip Tillage	<input type="radio"/>	<input type="radio"/>
Mulch Tillage	<input type="radio"/>	<input type="radio"/>
Zero Tillage	<input type="radio"/>	<input type="radio"/>
Contour Farming (cultivating and sowing crops across slopes also known as contour-parallel cultivation)	<input type="radio"/>	<input type="radio"/>
Deep non-turning tillage (mechanical soil loosening below the usual tillage depth. Soil surface is not distributed or inverted)	<input type="radio"/>	<input type="radio"/>
Controlled Traffic Farming (Operating all machinery for several years only on designated tramlines)	<input type="radio"/>	<input type="radio"/>
Mechanical treatment to mulch crop residues (e.g. using straw rake or mulcher)	<input type="radio"/>	<input type="radio"/>
Under-sowing of main crops	<input type="radio"/>	<input type="radio"/>
Sowing catch crops or green manures	<input type="radio"/>	<input type="radio"/>
Application of biochar	<input type="radio"/>	<input type="radio"/>

	No	Yes
Application of compost	<input type="radio"/>	<input type="radio"/>
Check the soil condition before driving over it with machines (i.e. spade sample test to ensure that the soil can be driven on)	<input type="radio"/>	<input type="radio"/>

16 On what proportion of your arable land were the following practices used for the 2022/2023 cropping season? *

❗ Each answer must be between 0 and 100

❗ Only integer values may be entered in these fields.

Please write your answer(s) here:

Strip Tillage

Mulch Tillage

Zero Tillage

Contour Farming

• Deep non-turning tillage

Controlled Traffic Farming

Mechanical treatment to mulch crop residues

Under-sowing of main crops

Sowing catch crops or green manures

Application of biochar

Application of compost

Check the soil condition before driving over it with machines

This is in reference only to crops that were harvested in summer or autumn 2023. We do not consider main crops that have been planted this autumn.

17 For how many of the last 10 production seasons did you use the following practices prior 2023? *

❗ Each answer must be between 0 and 10

❗ Only integer values may be entered in these fields.

Please write your answer(s) here:

Strip Tillage

Mulch Tillage

Zero Tillage

Contour Farming

•

Deep non-turning tillage

Controlled Traffic Farming

Mechanical treatment to mulch crop residues

Under-sowing of main crops

Sowing catch crops or green manures

Application of biochar

Application of compost

Check the soil condition before driving over it with machines

Machine availability and challenges

18 Who carries out the most of the work on the following processing steps?

Please choose the appropriate response for each item:

	The work is done by a farm employee or myself	I use contractors to supply this service for me
Basic soil cultivation	<input type="radio"/>	<input type="radio"/>
Seedbed preparation	<input type="radio"/>	<input type="radio"/>
Plant protection or plant strengthener	<input type="radio"/>	<input type="radio"/>
Farmyard manure	<input type="radio"/>	<input type="radio"/>
Mineral fertilizer	<input type="radio"/>	<input type="radio"/>

19 What measures are taken to reduce ground pressure? *



Please choose **all** that apply:

- ☐ Double wheel
- ☐ Low-pressure tyres
- ☐ Tyre pressure control system
- ☐ Tracks instead of wheels
- ☐ None

☐ Other:

20 How is the soil worked on most of your cereal crops? *

Please choose **only one** of the following:

- ☐ PTO driven
- ☐ Pulled
- ☐ I do not carry out any preliminary soil cultivation

21 Which PTO-driven tillage tools do you use on most of your cereal crops? *

Only answer this question if the following conditions are met:

((MA003.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5545/qid/102310) == "A1"))

Please choose **only one** of the following:

- ☐ Power harrow
- ☐ Spade machine

☐ Other

22 What type of pulled soil cultivation methods do you carry out? *

Only answer this question if the following conditions are met:

((MA003.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5545/qid/102310) == "A2"))

Please choose **only one** of the following:

☐ Plough

☐ Cultivator

☐ Other

23 How do you prepare the seedbed for most of your cereal crops? *

Please choose **only one** of the following:

☐ PTO driven

(e.g. Rotary harrow)

☐ Pulled

(e.g. Cultivator)

☐ I do not carry out any (further) seedbed preparation

24 How do you sow your cereals on most of your cereal crops area? *

Please choose **only one** of the following:

☐

Solo

(Tractor and harrow followed by tractor and seeder)

☐

Combi

(Tractor with harrow and seeder combined)

25 To what extent have the following factors been a challenge on your arable land over the last 5 years? *

Please choose the appropriate response for each item:

	Not a problem	Slight problem	Moderate problem	Somewhat large problem	Large Problem
Loss or erosion of topsoil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Standing water on fields long after rain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sub-optimal soil conditions for the upcoming work in the field	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Formation of deep wheel ruts in field during fieldwork	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of availability of required machines at the right time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not having the time, labor or money availability to perform additional measures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Patchy uneven crop establishment in early growing season	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Infestation with crop diseases or soil born diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Infestation of arable weeds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Infestation of arable pests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stressed or stunted crops following dry periods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lodging of crops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lower crop yield than desirable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Not a problem	Slight problem	Moderate problem	Somewhat large problem	Large Problem
Crops being downgraded at sale due to not meeting quality requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Wheat Production

26 Did you grow bread wheat that was harvested in summer 2023? *

Please choose **only one** of the following:

- ☐ No
- ☐ Yes

Wheat Production (All in relation to 2022/2023 cropping season)

Please answer the following questions about the **harvest campaign 2022/2023**.

27 How many hectares of bread wheat did you grow? *

Only answer this question if the following conditions are met:
 ((WT001.NAOK
 (/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316) == "A2"))

! Your answer must be at least 0.0001
 Please write your answer here:

ha

Note: 1 hectare is equivalent to 100 ares.

28 Is your bread wheat production IP certified? *

Only answer this question if the following conditions are met:

((is_empty(ID003_A1.NAOK (/index.php/admin/questions/sa/view/surveyid/239267/gid/5542/qid/102293))) and (WT001.NAOK (/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316) == "A2"))

Please choose **only one** of the following:

☐ No

☐ Yes

In a previous question, you indicated that you do not practise organic farming. If this information is incorrect, please check your previous answer (Question 3).

29 You have indicated that you receive the production system contribution "Beitrag für biologische Landwirtschaft". Do you produce in accordance with the Demeter label on your farm? *

Only answer this question if the following conditions are met:

((ID003_A1.NAOK (/index.php/admin/questions/sa/view/surveyid/239267/gid/5542/qid/102293) == "Y") and (WT001.NAOK (/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316) == "A2"))

Please choose **only one** of the following:

☐ No

☐ Yes

In a previous question, you indicated that you receive the "contribution to organic farming". If this information is incorrect, please check your previous answer (Question 3).

30 How many kilograms of bread wheat did you harvest per hectare during harvest 2023 on this farm? *

Only answer this question if the following conditions are met:

((WT001.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316) == "A2"))

❗ Your answer must be between 0 and 200

Please write your answer here:

kilograms per are

Note: 1 tonne/hectare = 10 decitonnes/hectare = **10 kilograms/are.**

31 How many kilograms of bread wheat did you harvest on average per hectare over the last 5 years? *

Only answer this question if the following conditions are met:

((WT001.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316) == "A2"))

❗ Your answer must be between 0 and 200

Please write your answer here:

kilograms per hectare

Note: 1 tonne/hectare = 10 decitonnes/hectare = **10 kilograms/are.**

Wheat Production (All in relation to 2022/2023 cropping season)

Please answer the following questions concerning the **harvest campaign 2022/2023.**

32 Across the bread wheat area, what was your approximate sowing density (in kg/ha) during crop establishment? *

Only answer this question if the following conditions are met:

((WT001.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316) == "A2"))

❗ Only an integer value may be entered in this field.

Please write your answer here:

kg/ha

For example, if you sow 300 seeds per square metre, the equivalent quantity of seeds in kilograms per hectare will be around 150 kg/ha (with seed thousandweight = 50g).

33 Across the bread wheat area, what was your approximate **nitrogen** application per hectare from mineral fertilisers? *

Only answer this question if the following conditions are met:

((is_empty(ID003_A1.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5542/qid/102293))) and

(WT001.NAOK (/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316) == "A2"))

❗ Your answer must be at most 500

Please write your answer here:

kg nitrogen per hectare

For example, **nitrogen** from ammonium nitrate or urea.

34 Across the bread wheat area, what was your approximate **nitrogen** application per hectare from organic fertilisers? *

Only answer this question if the following conditions are met:

((WT001.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316) == "A2"))

❗ Your answer must be at most 500

Please write your answer here:

kg nitrogen per hectare

For example, **nitrogen** from slurry, manure or compost.

35 Across the bread wheat area, how many treatments with organic plant additives did you make on average? *

Only answer this question if the following conditions are met:

((WT001.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316) == "A2"))

	Number of treatments
Biostimulants	<input type="text"/>

One treatment is equal to one pass with the sprayer where the product gets applied.

36 Across the bread wheat area, how many treatments with the following chemical plant protection products did you make on average? *

Only answer this question if the following conditions are met:

((is_empty(ID003_A1.NAOK

(/index.php/admin/questions/sa/view/surveyid/239267/gid/5542/qid/102293))) and

(WT001.NAOK (/index.php/admin/questions/sa/view/surveyid/239267/gid/5554/qid/102316)

== "A2"))

	Number of treatments
Herbicide	<input type="text"/>
Fungicide	<input type="text"/>
Insecticide	<input type="text"/>
Plant growth regulator	<input type="text"/>

One treatment is equal to one pass with the sprayer where the product gets applied.

Farm Structure

Please answer the following questions concerning the general farm structure.

37 What is the total area of open arable land you farm in hectares? *



Please write your answer here:

Ha

Including owned and leased areas that are cultivated or temporarily used as short-term grassland.

38 Of this arable land area, what approximate proportion is rented land? *

❗ Each answer must be between 0 and 100

Please write your answer(s) here:

Rented land (%)

39 What category best describes the management of the farm? *

Please choose **only one** of the following:

- ☐ Main Business
- ☐ Secondary Business

A secondary business is when less than 50% the household income comes from these agricultural activities.

40 How would you describe the focus of your farm business? *

❗ The sum must equal 100.

❗ Each answer must be between 0 and 100

Please write your answer(s) here:

Arable crop production

Livestock production

Permanent crop production

Other enterprises

41 What proportion of the straw do you keep in the farm cycle? *

❗ Each answer must be between 0 and 100

Please write your answer(s) here:

Straw sold from the farm or kept on the farm (%)

Maintained in the farm cycle by remaining on the plot or passing through the livestock cycle (with a return to the farm's fields).

Farm Structure

Please answer the following questions concerning the land and machinery characteristics of the farm.

42 Do you employ any type of the following labor? *



Please choose **all** that apply:

- ☐ Family Members
- ☐ Non-family Members
- ☐ Seasonal Workers
- ☐ Trainees/Aprentices
- ☐ No other employees

43 How many units of standard manpower does your farm have? *

Please write your answer here:

SAK

Standartarbeitskraft (SAK) on the farm.

44 Please select the highest level of agricultural related education that you have achieved? *

Please choose **only one** of the following:

- ☐ None
- ☐ Agricultural apprenticeship (EBA)
- ☐ Farmer Course (EFZ)
- ☐ Subsidy Payment Required Course
- ☐ Agricultural Management College (Mastertest)
- ☐ Agricultural Business School
- ☐ University of Applied Sciences (Agrartechniker)
- ☐ University of Applied Sciences (BSc/MSc)
- ☐ University or Federal Institute of Technology (BSc/MSc/PhD)

45 In case of retirement, or other personal circumstances, is the farm succession already secured? *

Please choose **only one** of the following:

- ☐ No
- ☐ Yes
- ☐ Not relevant yet

46 Has the soil on your farm been assessed in the past using a soil profile to a depth of at least 50 cm, and do you have a soil management plan to maintain or improve the quality of your arable crops in the long term? *

Please choose **only one** of the following:

- ☐ No soil evaluation using a soil profile and no soil management plan
- ☐ Soil assessed using a soil profile
- ☐ Soil assessed using a soil profile and soil management plan developed

Training & Advice

Die folgenden Fragen beziehen sich auf die Themen Schulung, Beratung und Verhalten in Bezug auf die gesamten landwirtschaftlichen Ackerflächen Ihres Betriebs.

47 On how many occasions in the last year have you sought or received agriculturally related advice from any of these organizations? *

Please choose the appropriate response for each item:

	Never	1 or 2 times	3 times	4 or 5 times	More than 5 times
Agronomist or Agricultural Adviser e.g. Someone you hire for technical advice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Farm Trader or Agricultural Retailer e.g. a seed, fertiliser or pesticide merchant (Landi/UFA etc)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cantonal or National Agricultural Institution e.g. the local/cantonal agricultural office, FiBL, Agroscope	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

48 On how many occasions in the last year have you consulted any of these network advice when you needed to make an important decision about the farm business? *

Please choose the appropriate response for each item:

	Never	1 or 2 times	3 times	4 or 5 times	More than 5 times
Other farmers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Agriculturally related social media channels	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publications or webpages from the Farming Press	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

49 How often have you participated in any of these training sessions in the last year? *

Please choose the appropriate response for each item:

	Never	1 or 2 times	3 times	4 or 5 times	More than 5 times
Equipment Demonstration(s) e.g. at an agricultural show or at a neighbor's, friends' or your own farm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Farmer Discussion or Training Group(s) e.g. a farmer working/discussion group	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Farm Demonstration(s) e.g. visit to a demonstration farm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practical course(s) related to agriculture e.g. provided by your local canton, FiBL, Agroscope etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Preferences and Attitudes

How would you rate your attitude towards the following statements?

50 How willing are you to .. *

Please choose the appropriate response for each item:

[illegible]

51 Do you agree or disagree with the following statements about your attitudes towards crop production? *

Please choose the appropriate response for each item:

	Strongly disagree	Disagree	Neither agree/disagree	Agree	Strongly agree
I am confident that I can think of a solution when I encounter difficulties with arable production	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am confident that I can accomplish my production goals at the end of the harvest	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The weather has a greater influence on crop production than on what I do	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The production goals I set myself are quite ambitious	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Decision-making

Zum Abschluss dieser Umfrage möchten wir gerne mehr über Ihren Entscheidungsprozess und die Herausforderungen erfahren, mit denen Sie konfrontiert sind.

52 When making decisions about what to do in the next few years on your farm, how important are the following goals in your decision making process? *

Please choose the appropriate response for each item:

	Not a priority	Low priority	Moderate priority	High priority	Top priority
Achieving maximum yields	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Minimising input costs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Minimising time or labor requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Minimising production risks e.g. by taking out hail or drought insurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Minimising farm exposure to weeds, pests or diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adapting to changes in weather patterns	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adapting to the condition of the farmland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving soil health, structure or fertility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving biodiversity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Minimising environmental impact	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expanding the amount of land that I farm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adapting to crop market developments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adapting to changes in direct payment rate or regulations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Not a priority	Low priority	Moderate priority	High priority	Top priority
Seek advice more frequently from agronomic advisors than in the past	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seek advice more frequently from friends or colleagues than in the past	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Doing things that are well regarded by my fellow farmers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Consent Report and Prize Draw

53 Would you like to receive a free farm benchmarking report that compares the performance of your farm to that of the average of other farms?

Please choose **only one** of the following:

☐ No

☐ Yes

N.B. this will be calculated using the data you have provided in this survey.

54 Would you like to be entered into the prize draw for completing this survey?

Please choose **only one** of the following:

☐ No

☐ Yes

This will be for 1 of 100 Supermarket vouchers, each worth 150 CHF.

55 Would you like to learn about the survey results once the analyses have been completed and share your experiences in a corridor walk?

Please choose **only one** of the following:

☐ No

☐ Yes

Thank you very much for completing the survey! Your responses have been saved, and you may now close this window.

Your inputs are very valuable in helping us understand what factors influence which arable practices farmers adopt to improve their soil and also help us assess the impacts of these practices at a country scale. This will help inform the development of better agricultural policies going forward that will work for both you and the people of Switzerland.

If you have indicated that you would like to be entered into a prize draw to win a supermarket voucher worth CHF 150, we will contact you after January 2024. You will receive a copy of the results and report later in 2024, once the data has been analyzed, if you specified that you would like to receive a free benchmarking report.

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Submit your survey.

Thank you for completing this survey.