

ResidueGas questionnaire – Danish results with focus on cover crops

The questionnaire includes different sets of questions: background (including farmer's values), current management of crop residues, possible changes in management.

Results are presented in a descriptive manner via graphs and tables, with sub-grouping for conventional and organic management.

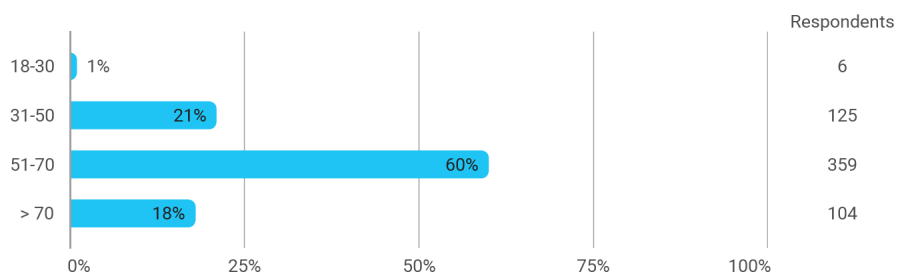
Total number of respondents: 594 (11 % response rate), of which 84 farm according to organic management. Results in this document focus on the management of cover crops (the original survey included questions on the management of a broader range of crop residues).

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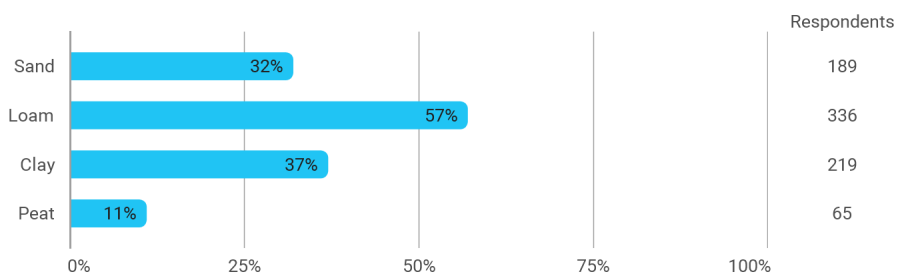
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Background

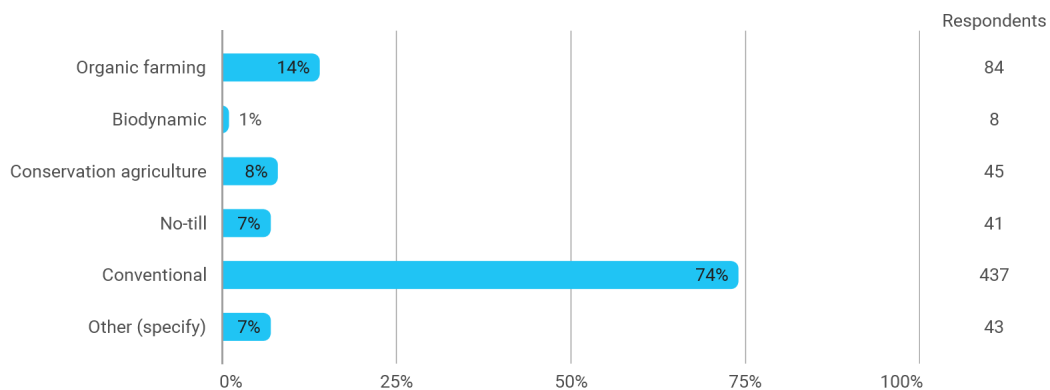
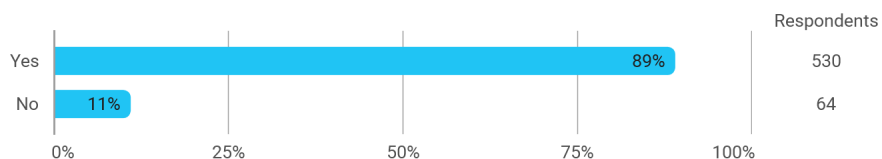
General information



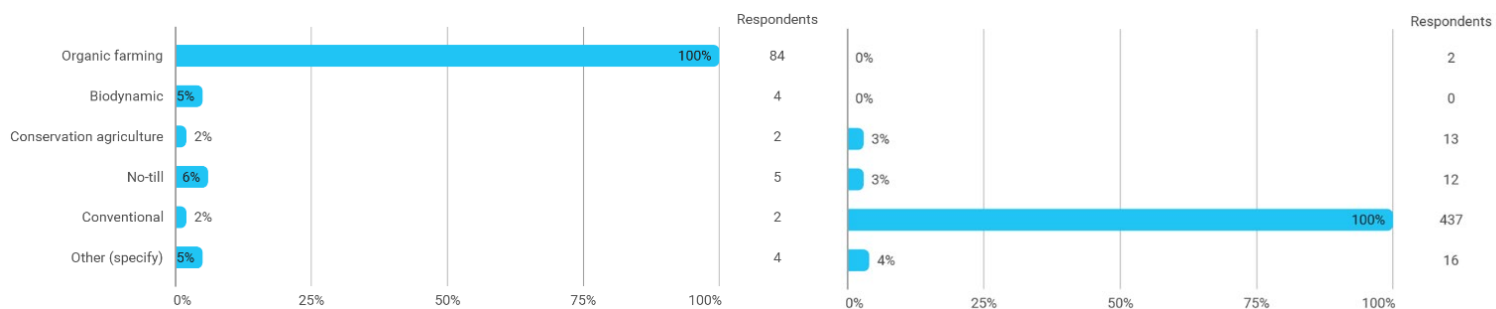
Which soil types(s) are there in your farm?



Are you concerned about sustainable farming?



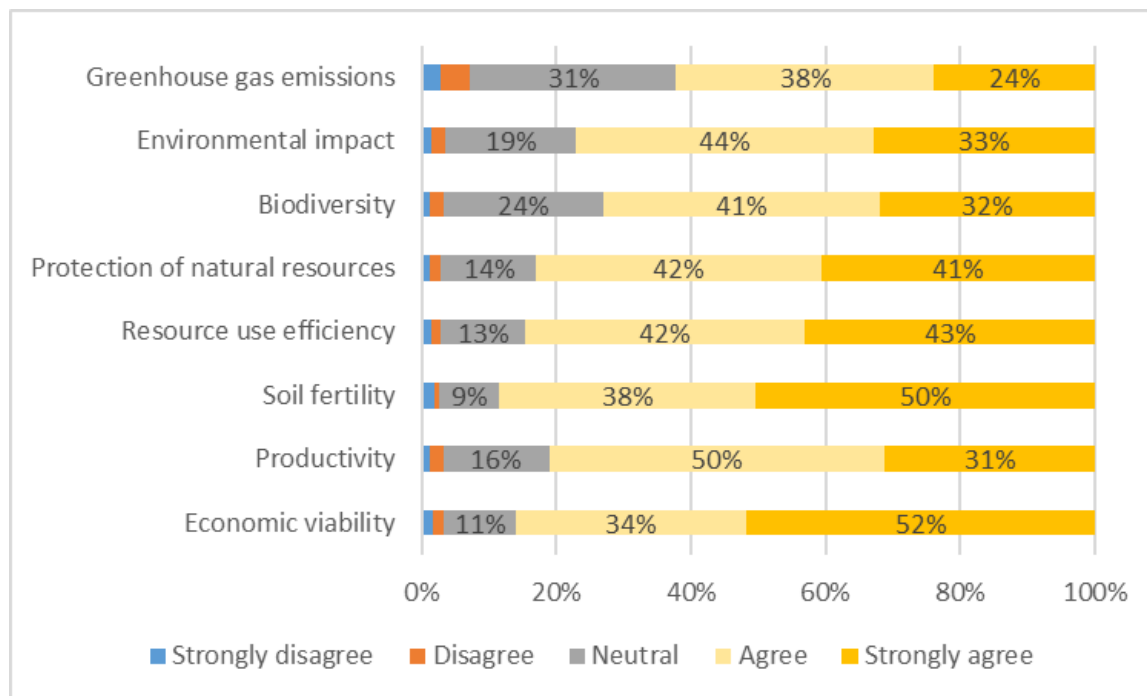
ORGANIC – CONVENTIONAL



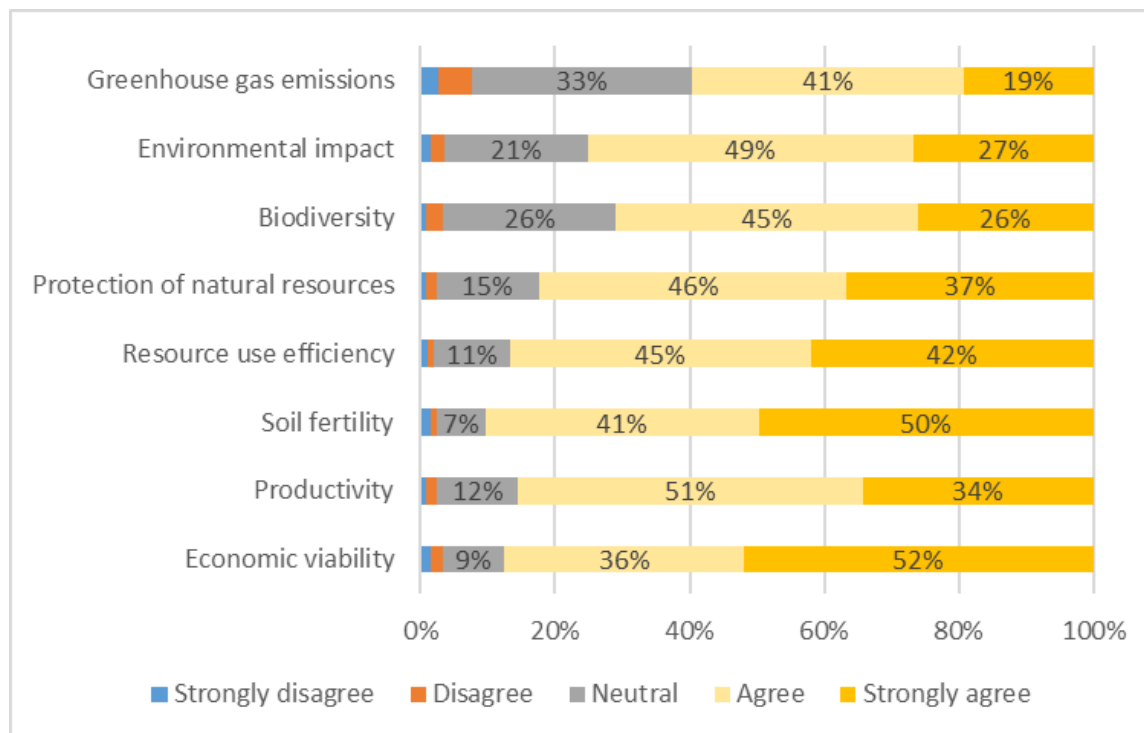
Indicate your level of agreement with the following statements.

This aspect is important in connection to sustainable farming:

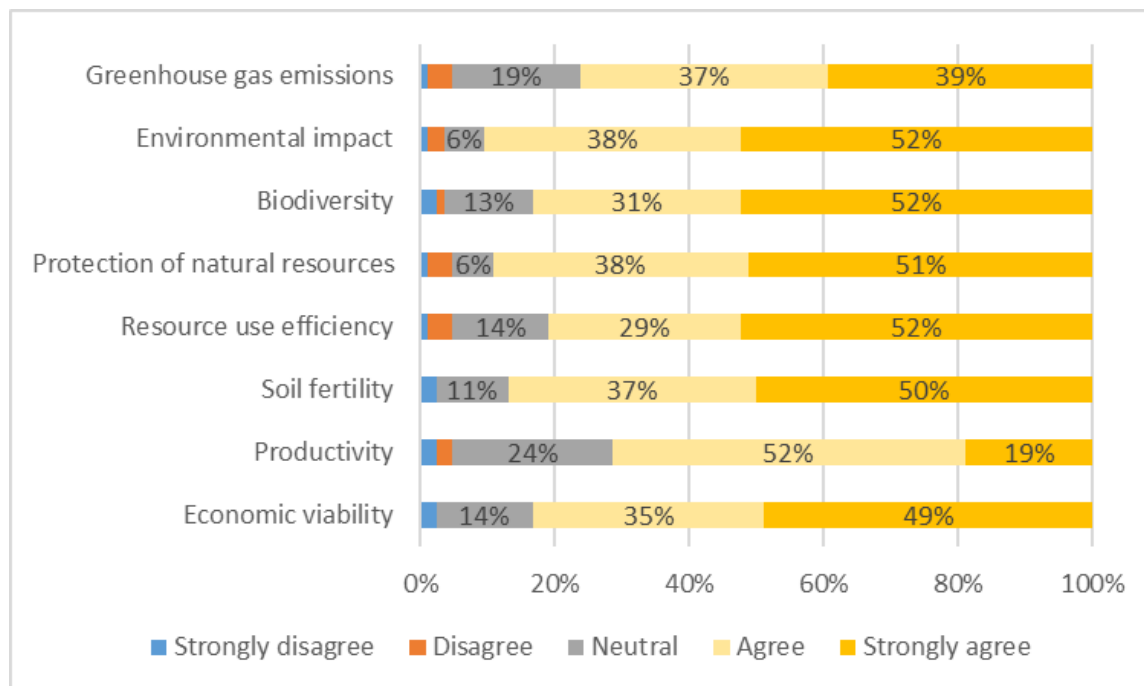
ALL



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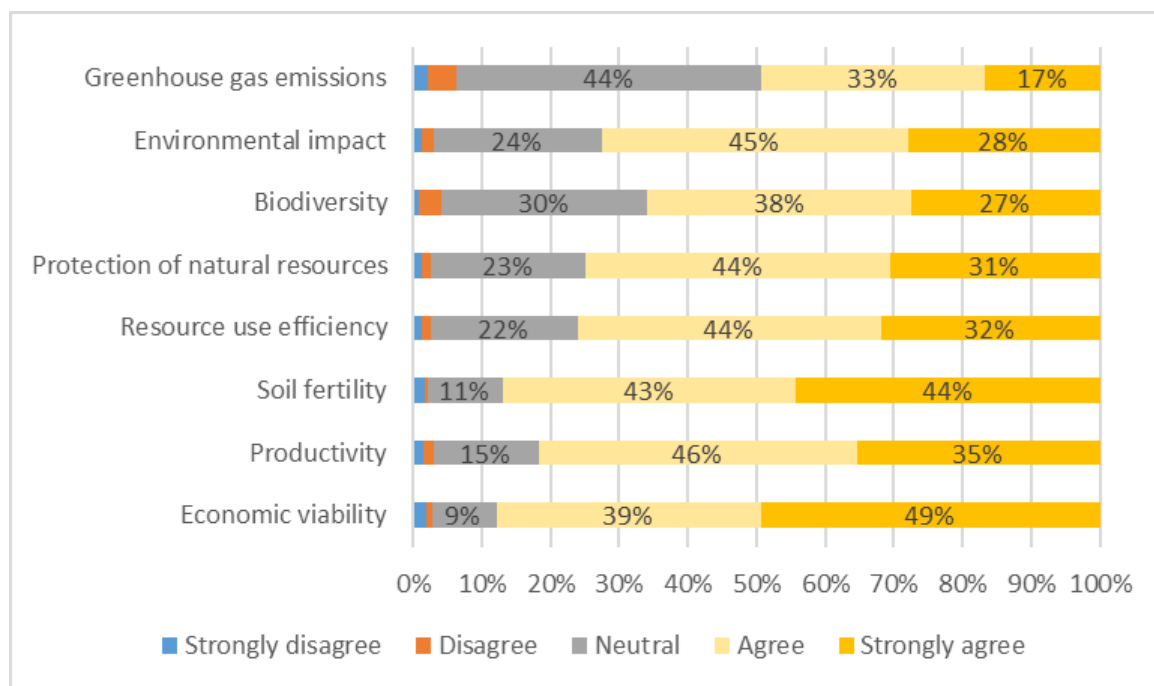


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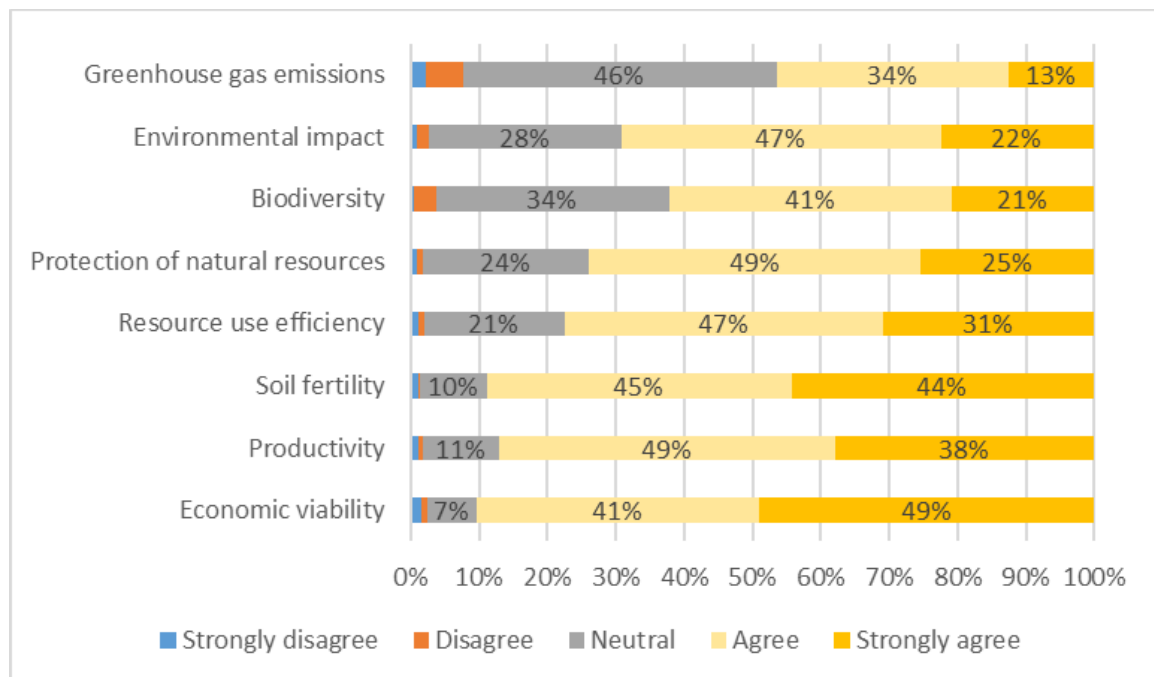


This aspect is important when taking management decisions:

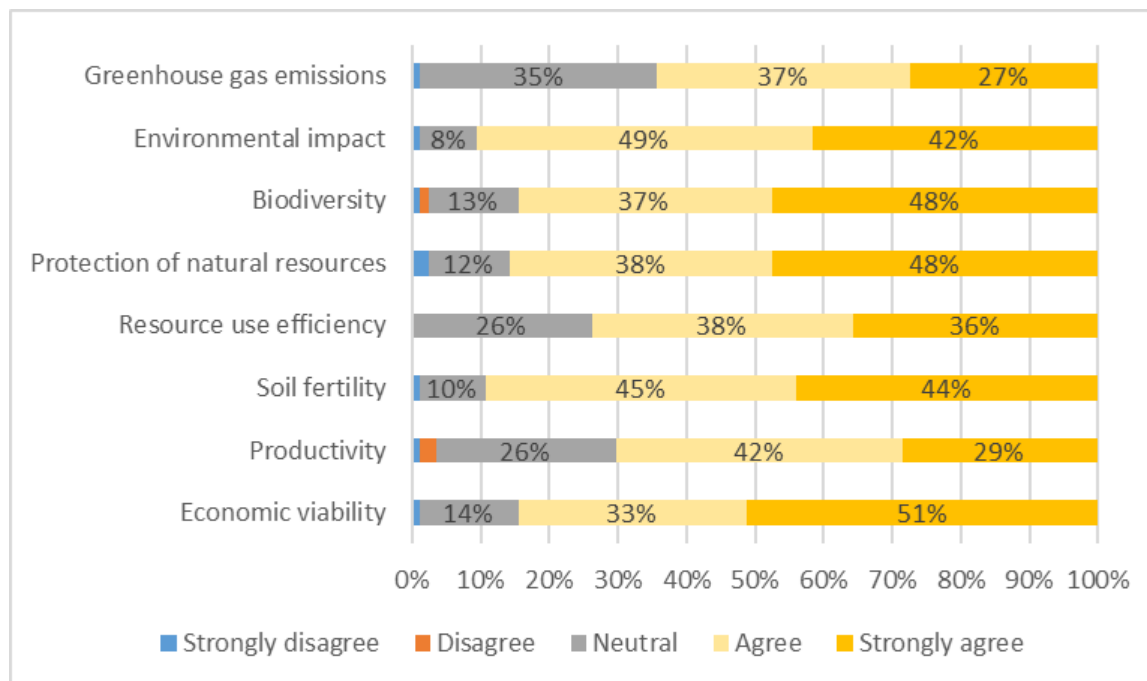
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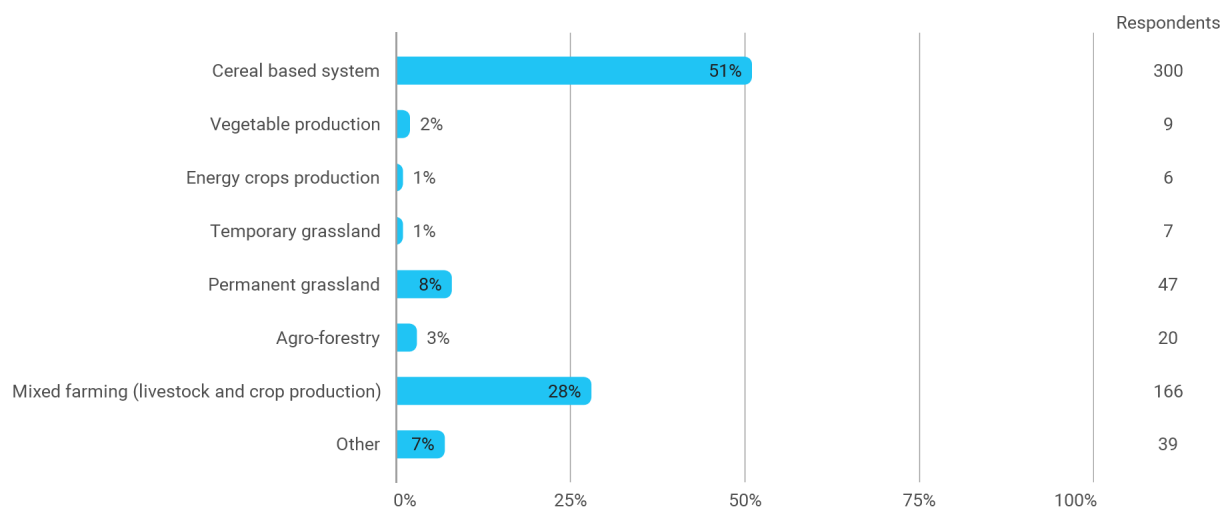
ORGANIC



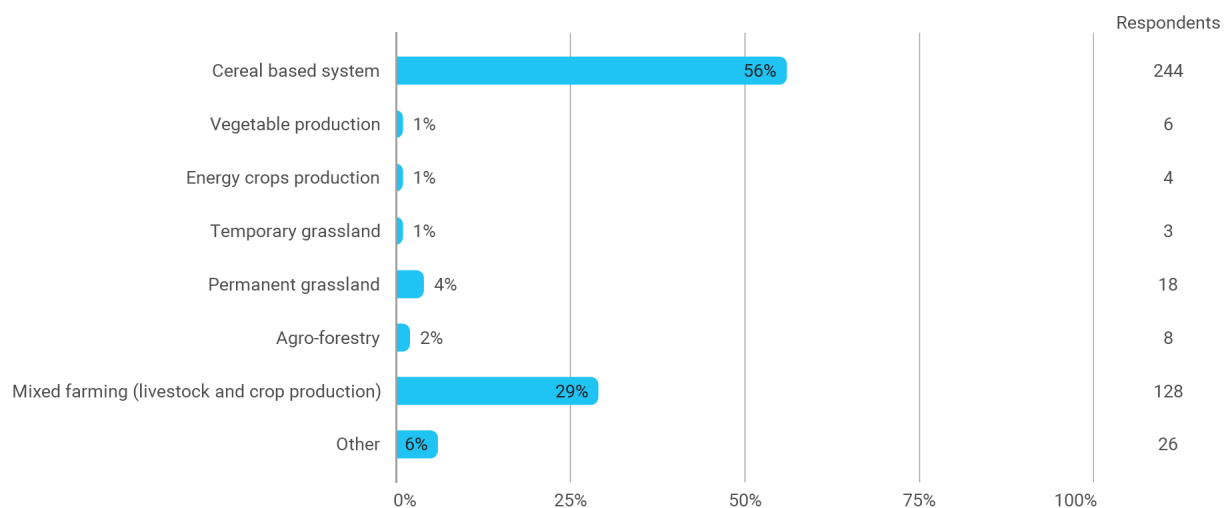
Cropping system

Specify primary cropping system

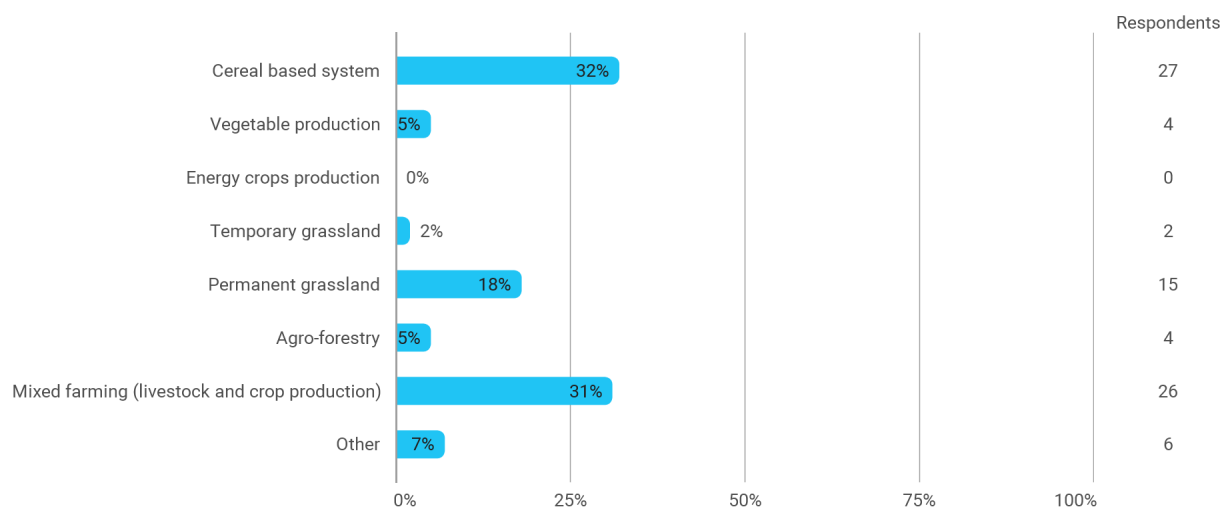
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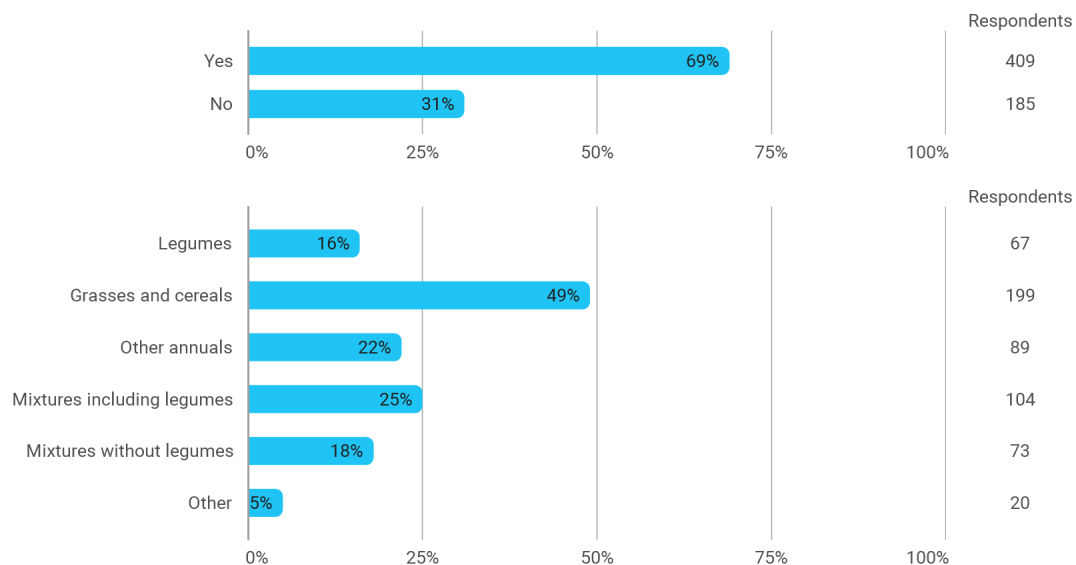


Cover crops

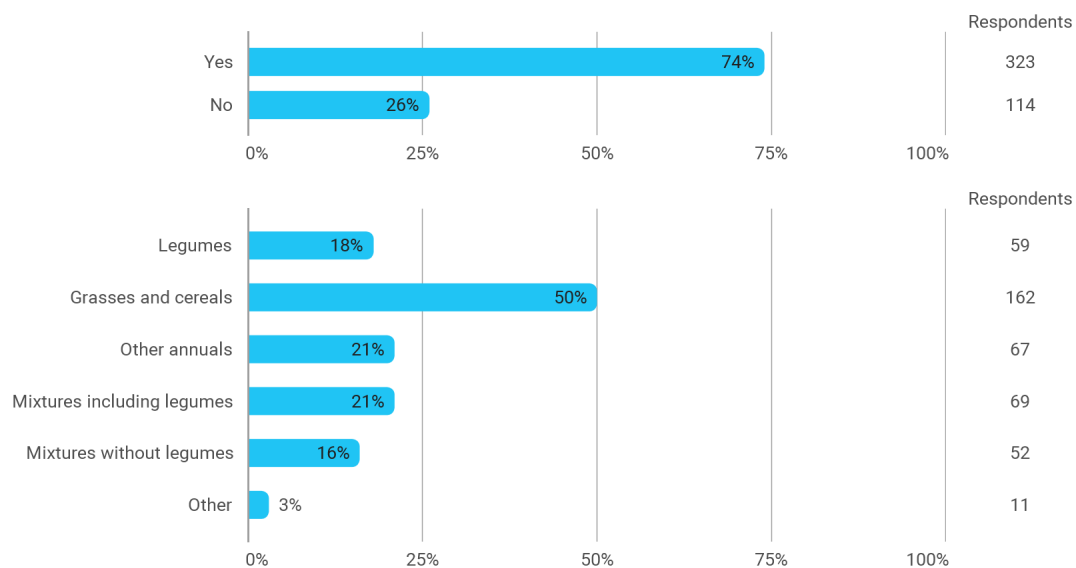
Figures for organic management are shown where relevant.

Do you grow cover crops? If yes, which species do you use?

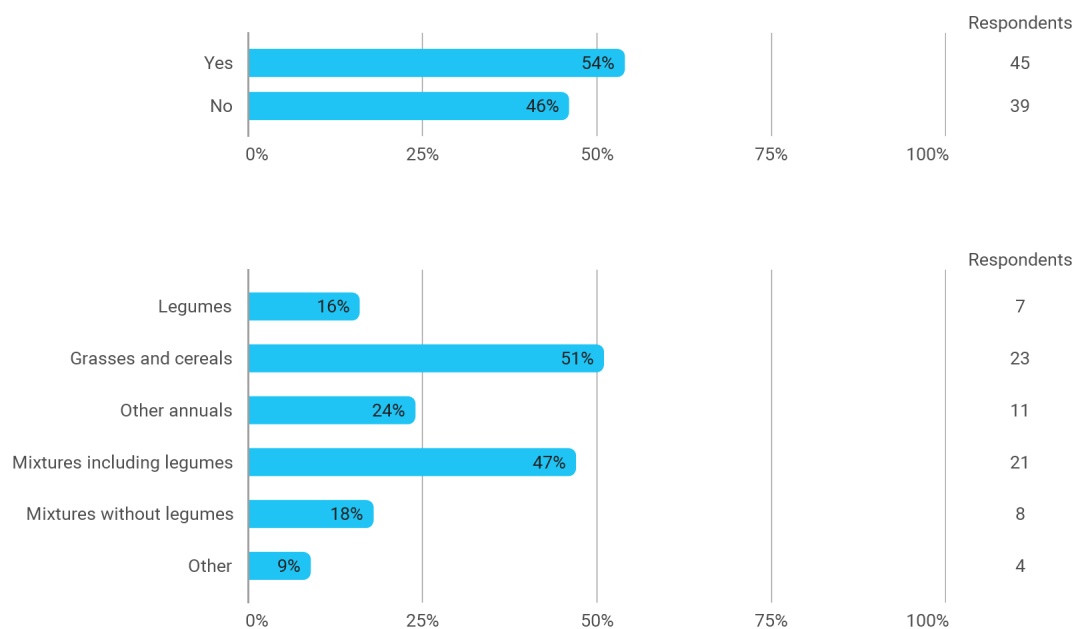
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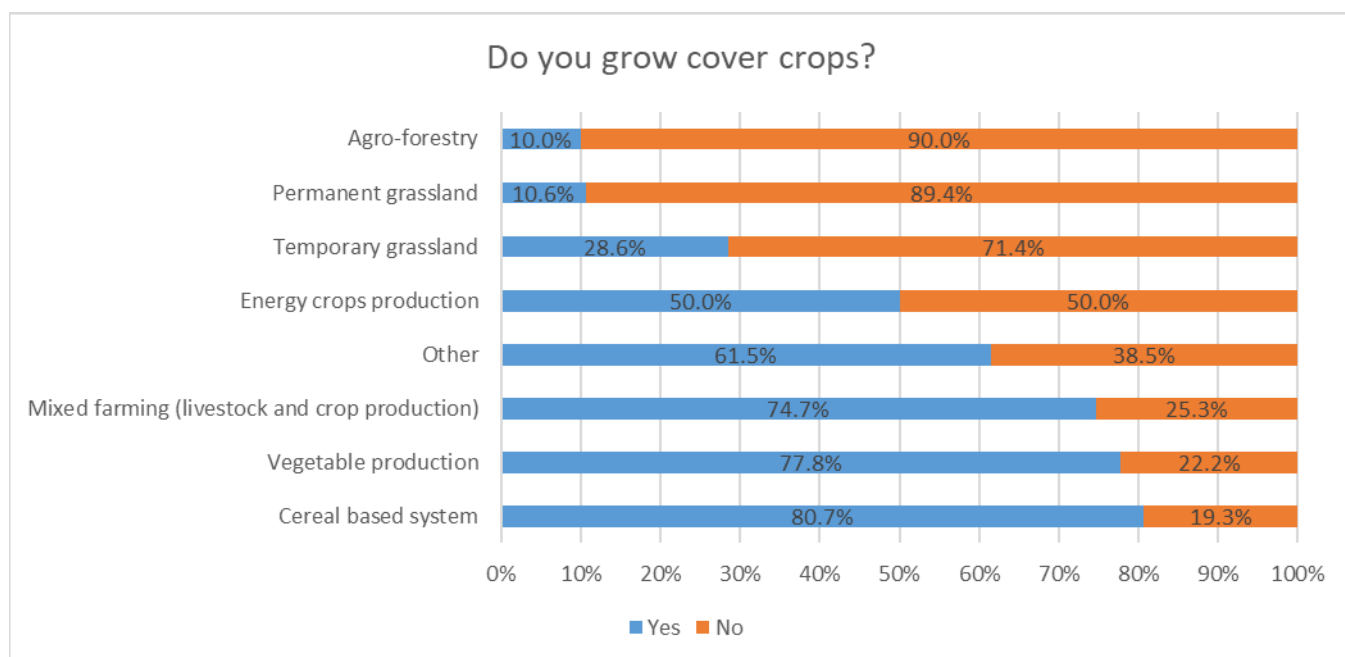


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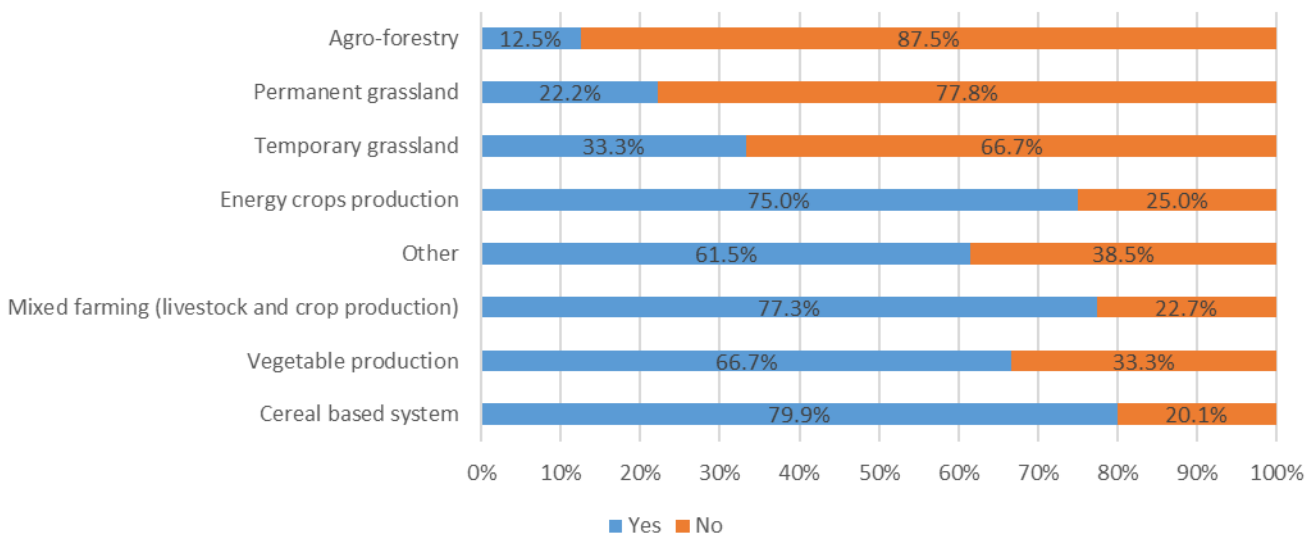


Do you grow cover crops? Split by primary cropping system:

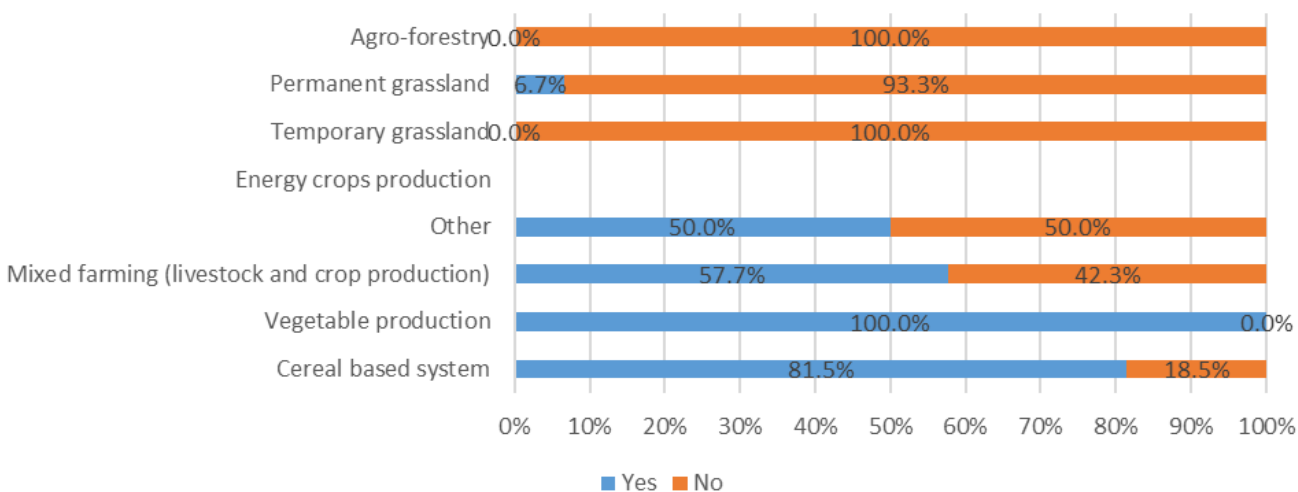
ALL



Do you grow cover crops? (conventional)

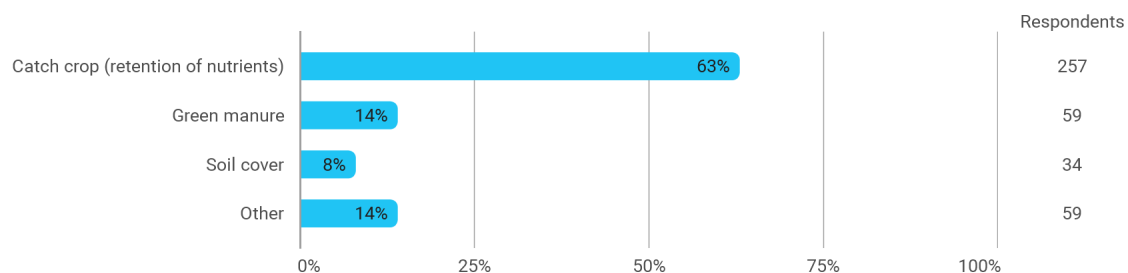


Do you grow cover crops? (organic)

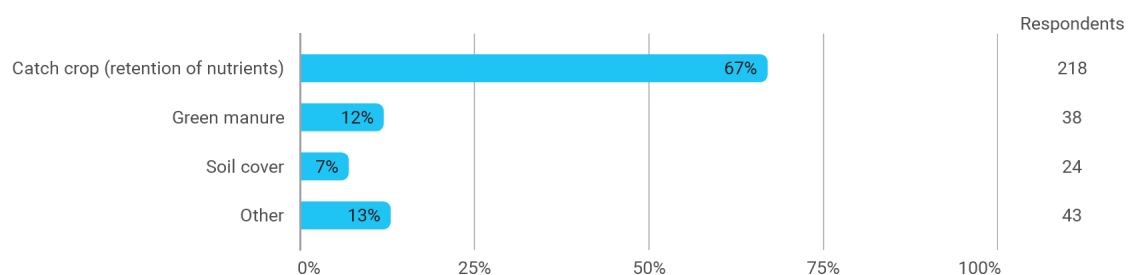


What is the main function of the cover crop?

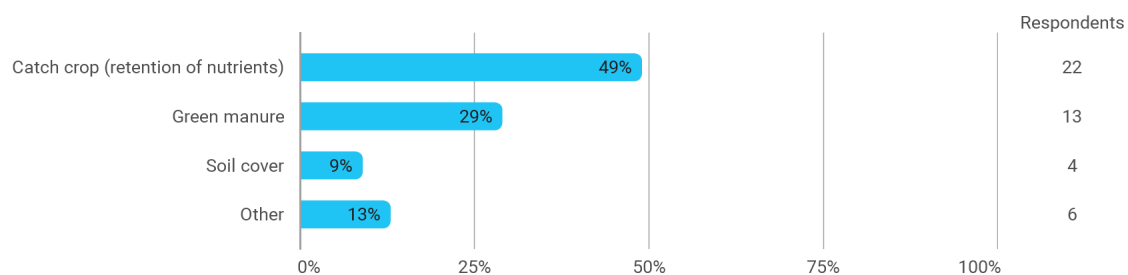
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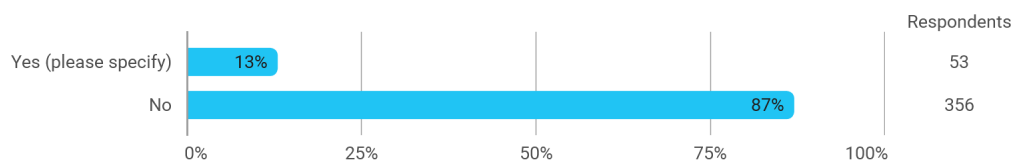
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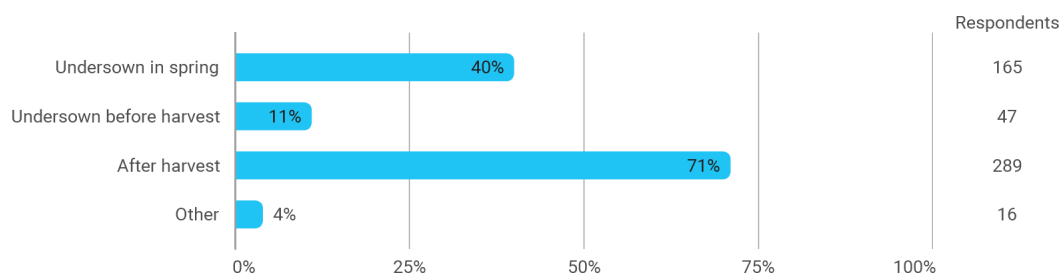
Do you have specific cover crops for cash crops?



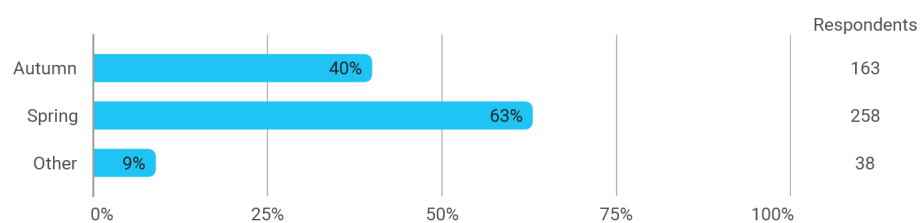
When do you sow and terminate the cover crop?

ALL

Sow

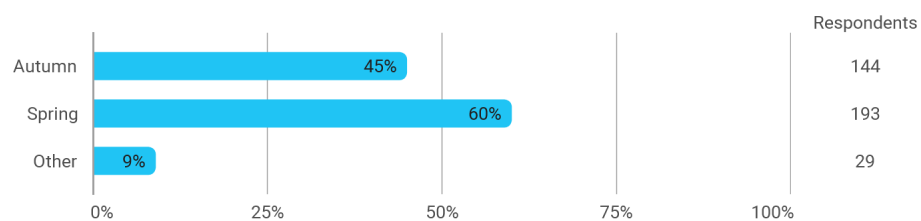
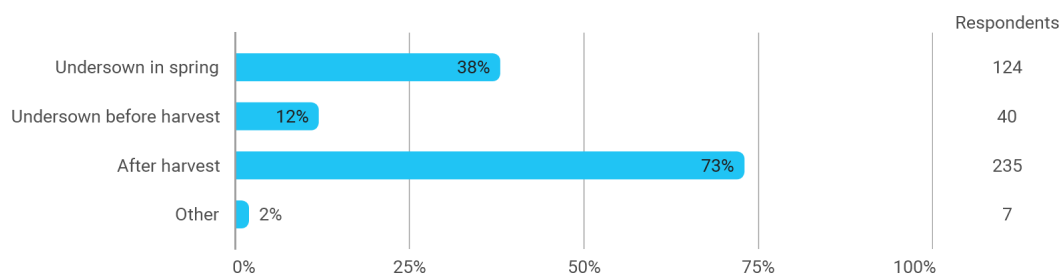


Terminate

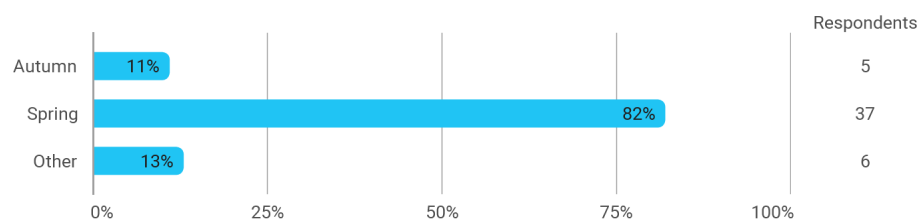
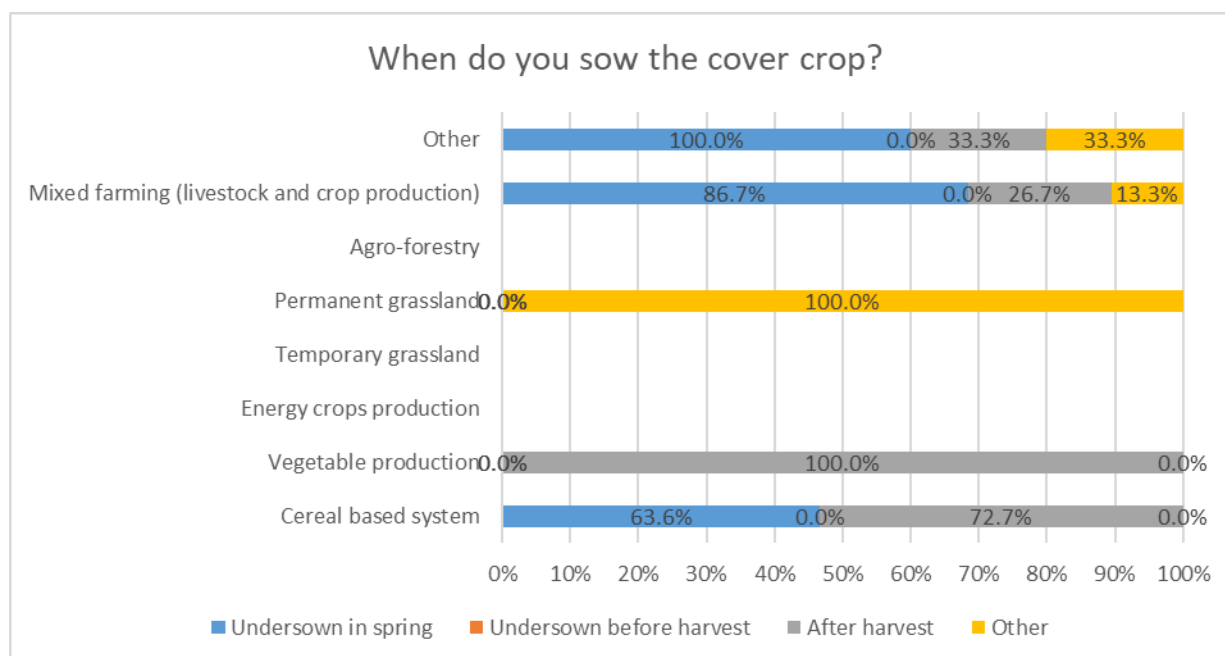
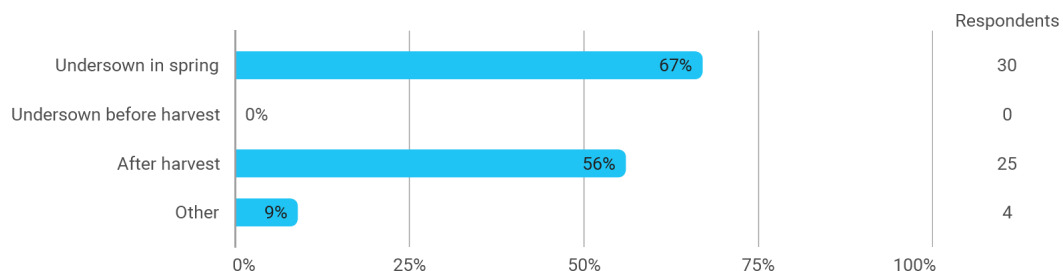


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Sow

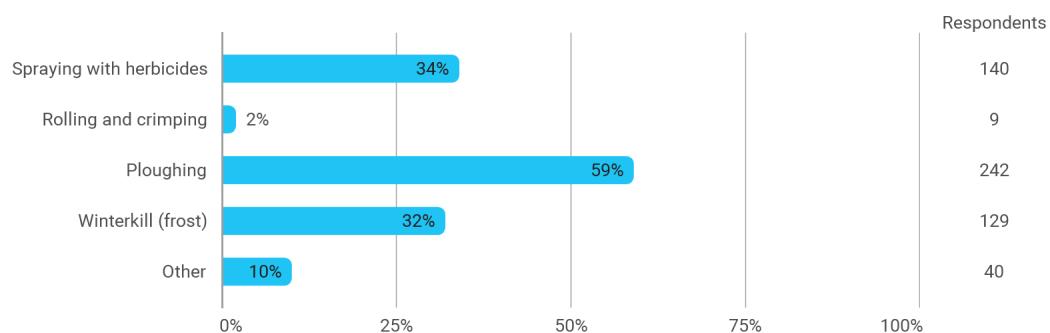


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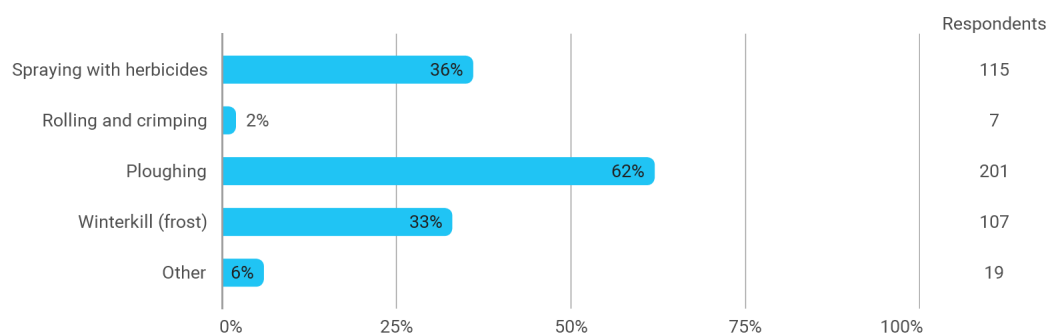


How is the cover crop terminated?

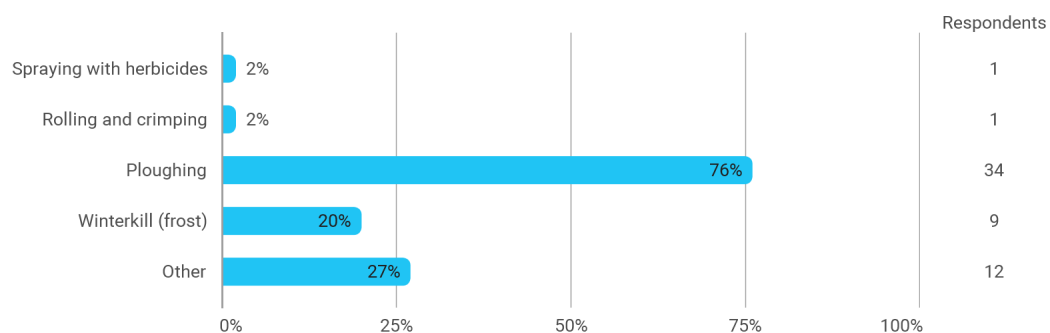
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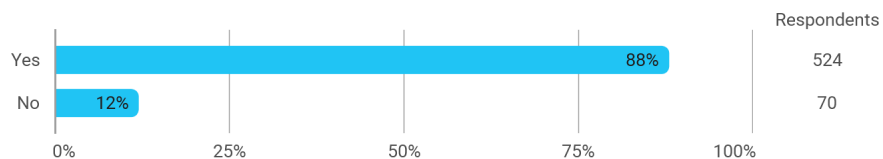


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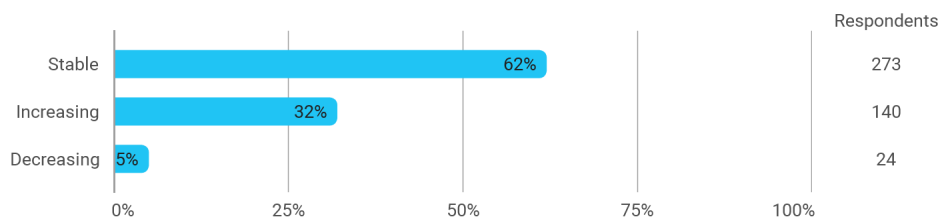
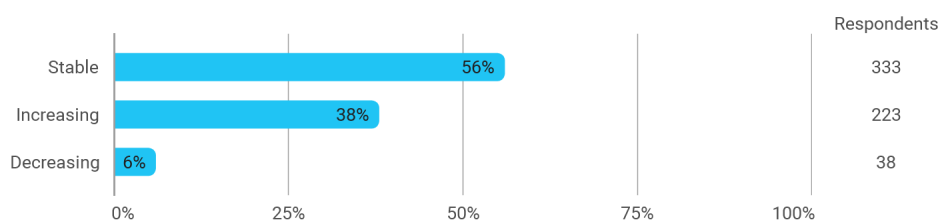
Soil organic carbon and greenhouse gas emissions

Are you concerned about the status of soil organic matter in your farm?

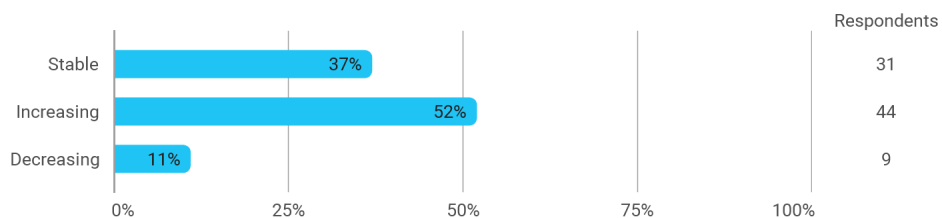


Do you think that soil organic matter in your farm is:

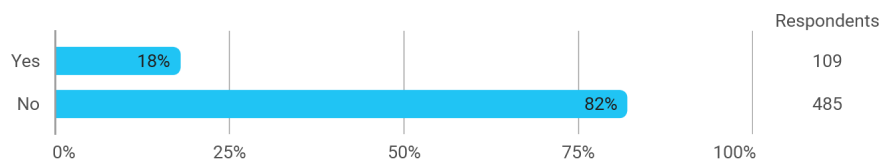
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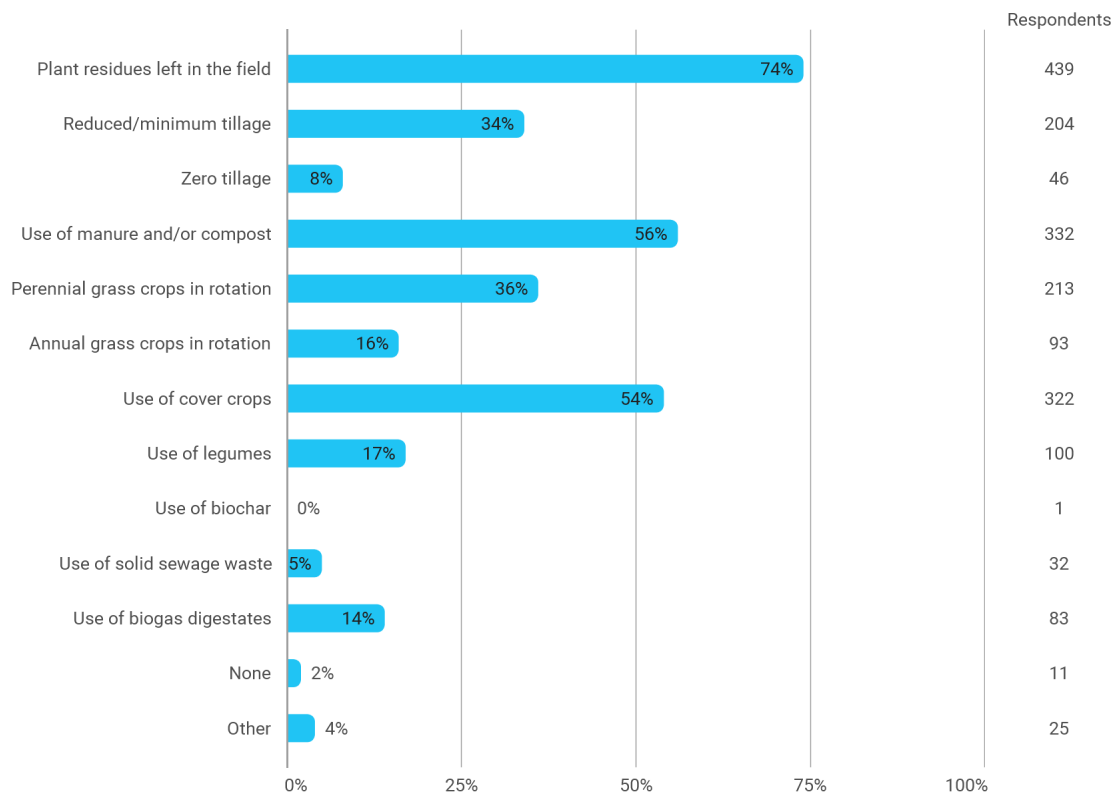


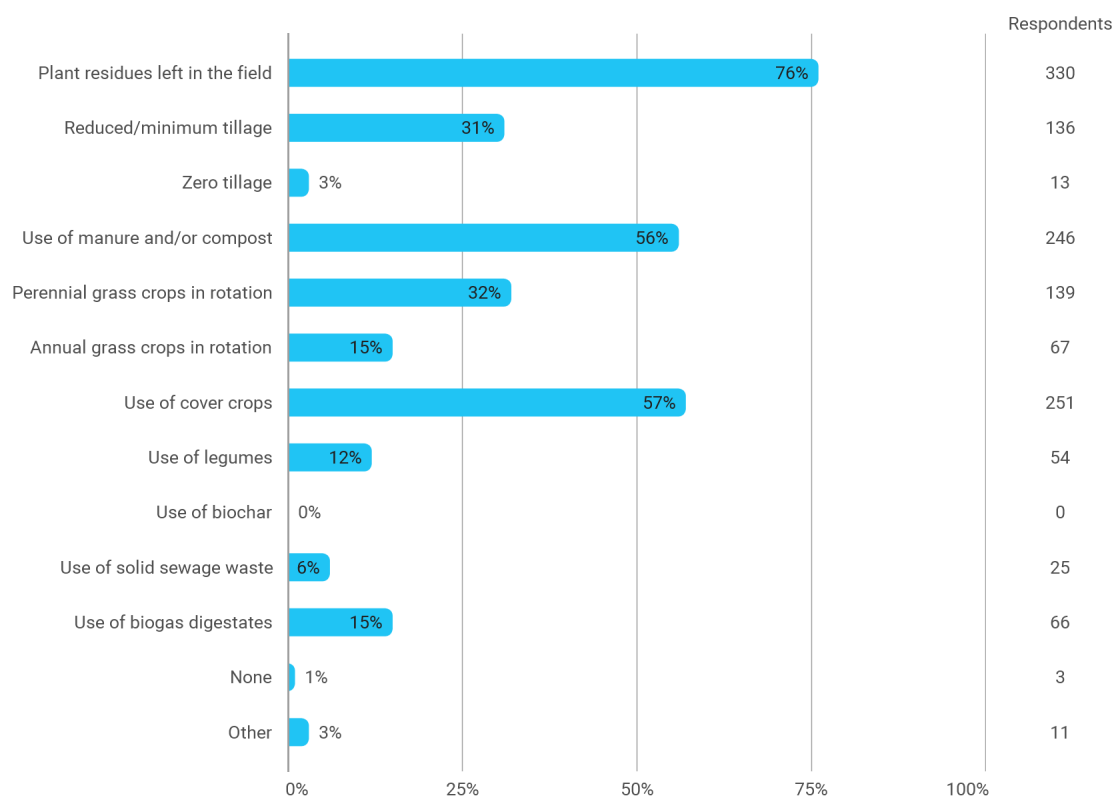
Do you know the soil carbon status from soil sampling/analysis?



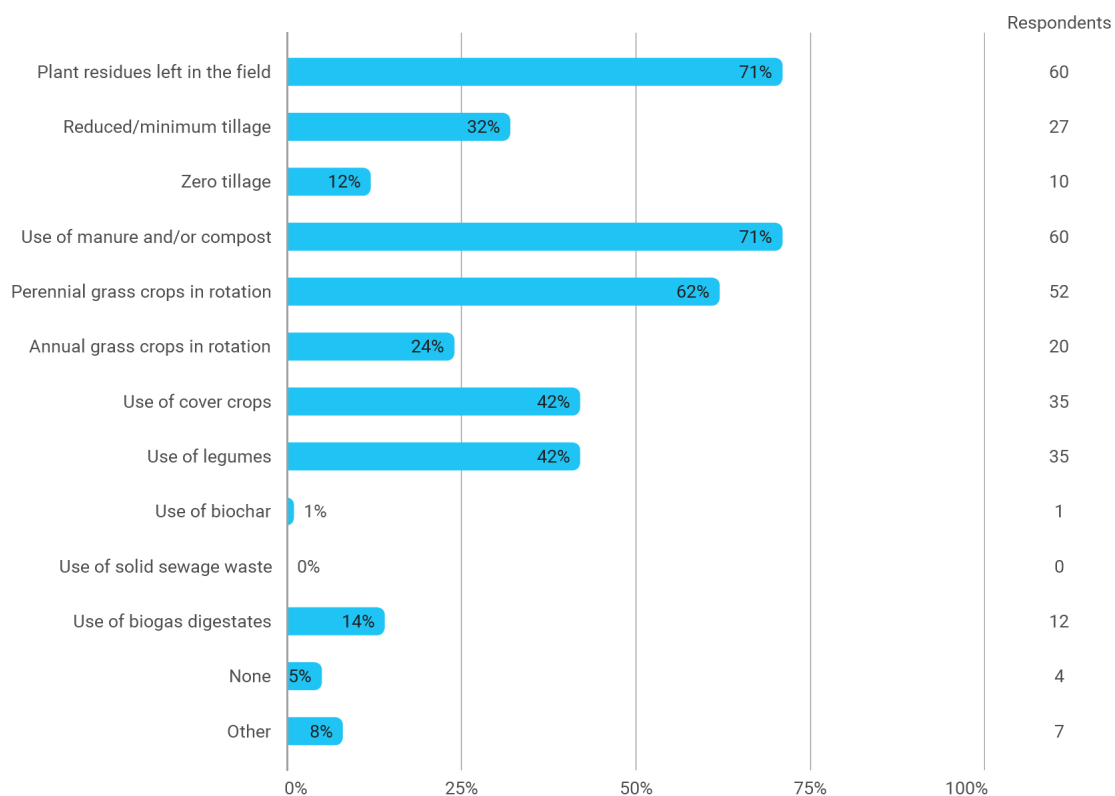
Do you apply any of the following options to maintain or increase soil organic matter?

ALL



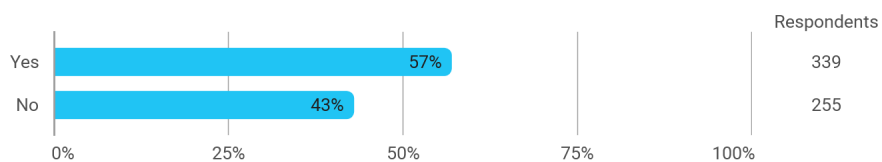


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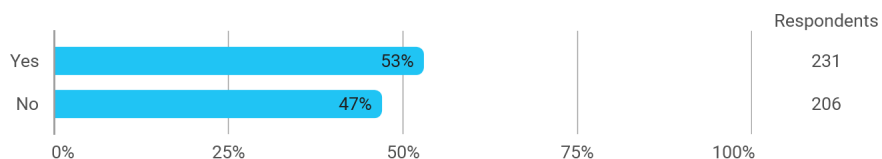


Are you concerned about emissions of greenhouse gas from agriculture?

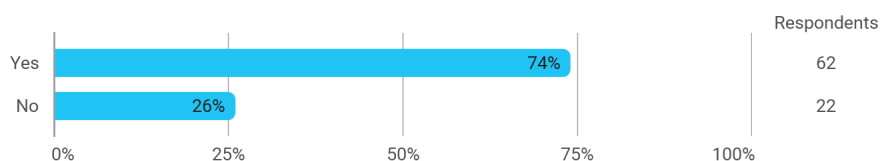
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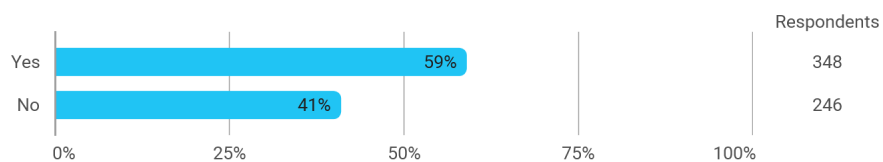
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Are you concerned about emissions of the greenhouse gas nitrous oxide from agriculture?

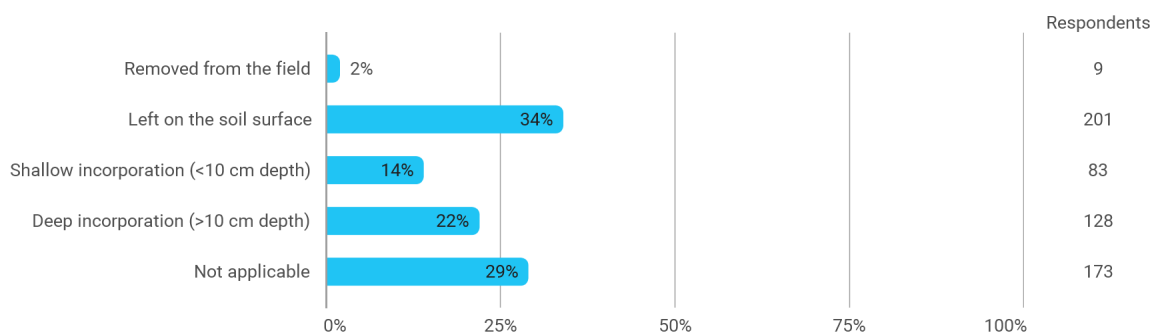


Current management of cover crop residues

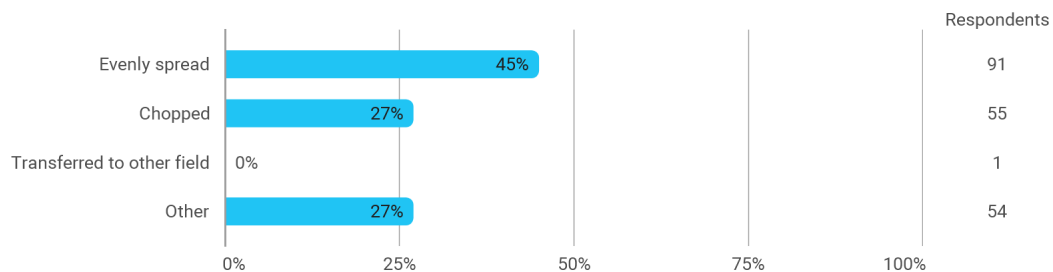
What is your main management strategy for cover crop residues in your farm?

Select the appropriate choice for each residue type. The first figure reports the % of total respondents and refers to the main management option. Following figures are specific options within most relevant main management.

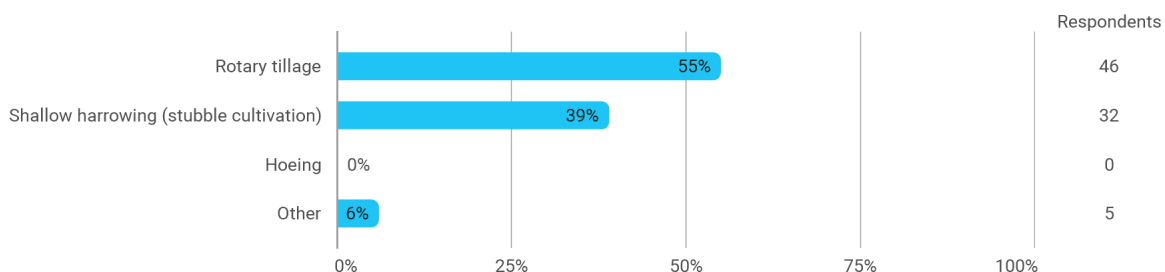
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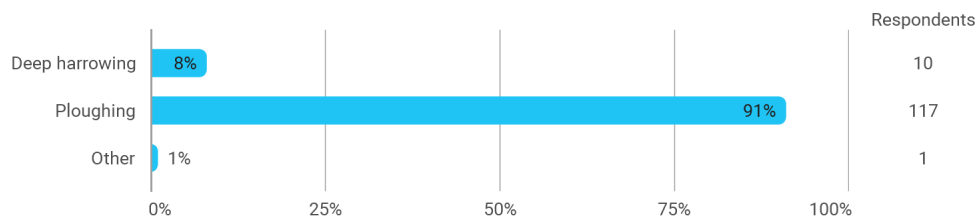
Cover crop residues left on the soil surface are:



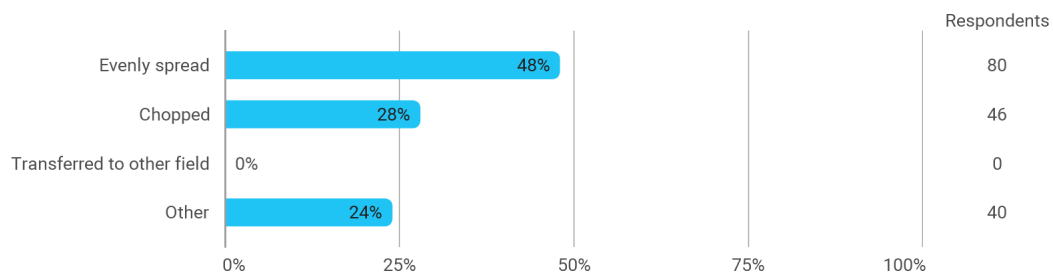
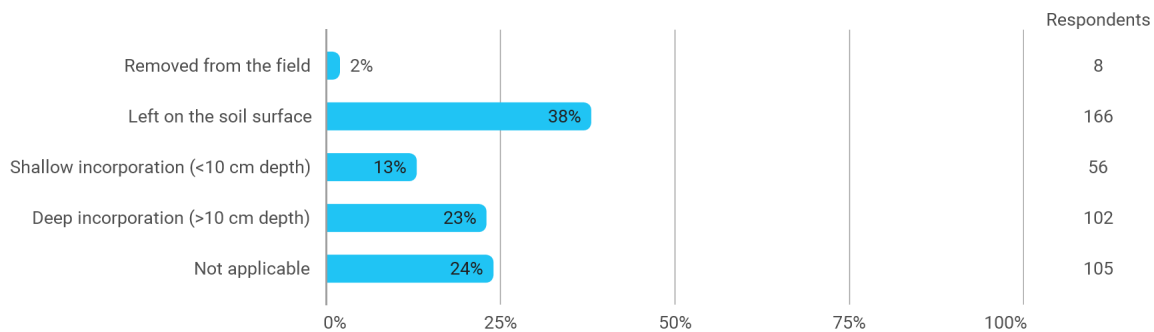
Type of shallow incorporation:



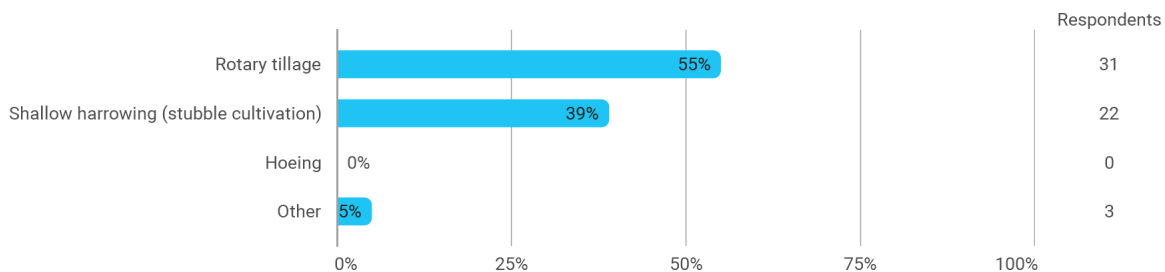
Type of deep incorporation:



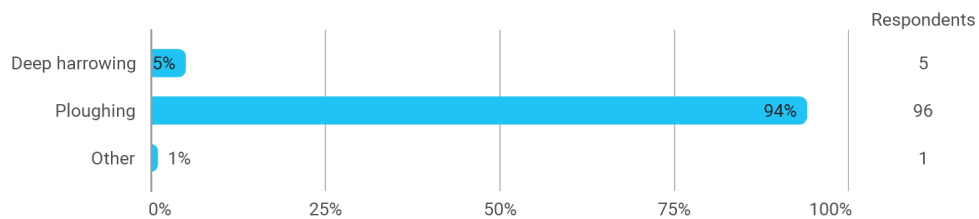
CONVENTIONAL



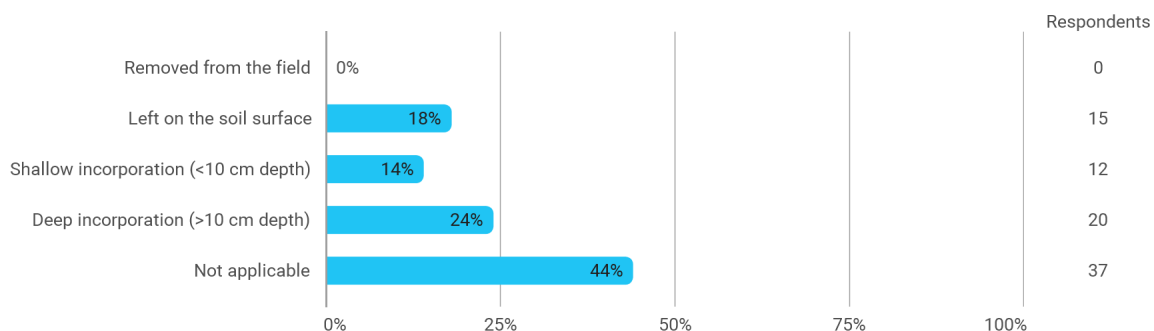
Type of shallow incorporation:



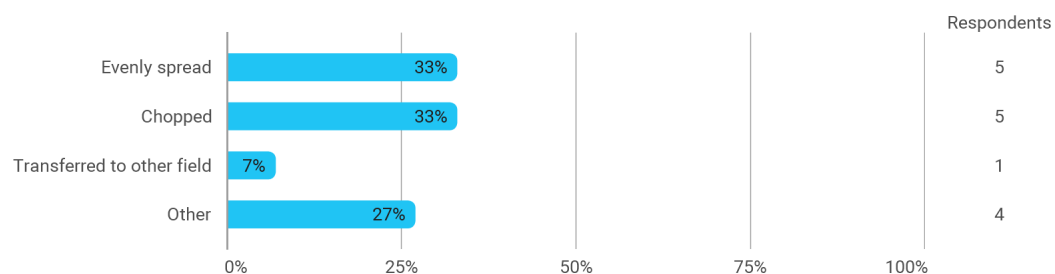
Type of deep incorporation:



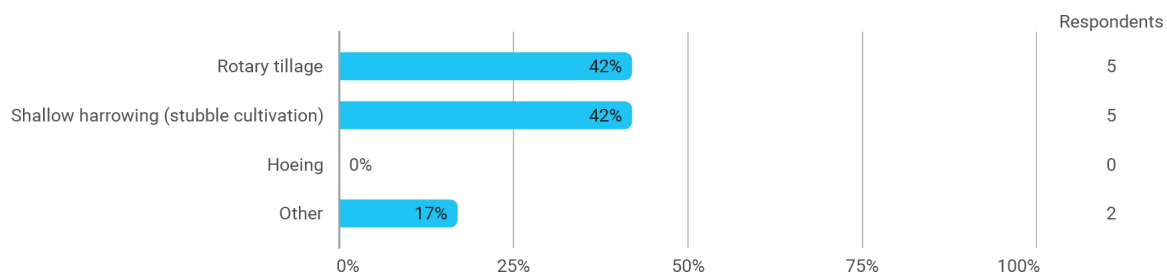
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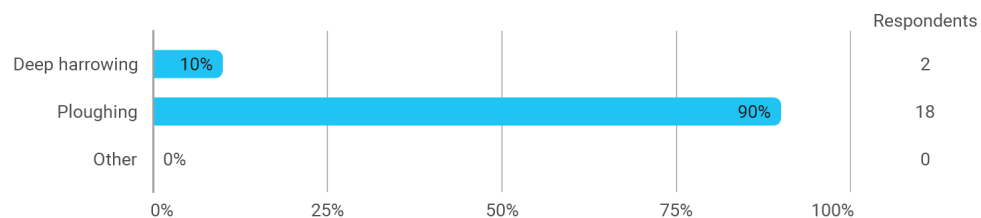
Cover crop residues left on the soil surface are:



Type of shallow incorporation:



Type of deep incorporation:



Alternative management of cover crop residues

If not already implemented, would you be willing to adopt the following options of cover crop management?

ALL

	Yes	No	Already implemented	Not relevant	Maybe
Even surface spreading	31%	4%	35%	29%	2%
Removal	11%	43%	5%	38%	4%
Deep incorporation	31%	16%	16%	34%	3%
Nitrification inhibitors	23%	28%	1%	34%	14%
Other	4%	12%	2%	72%	10%

CONVENTIONAL

	Yes	No	Already implemented	Not relevant	Maybe
Even surface spreading	34%	4%	36%	25%	2%
Removal	12%	44%	5%	36%	3%
Deep incorporation	36%	12%	19%	30%	4%
Nitrification inhibitors	27%	27%	2%	31%	14%
Other	4%	12%	2%	72%	11%

ORGANIC

	Yes	No	Already implemented	Not relevant	Maybe
Even surface spreading	24%	5%	30%	38%	4%
Removal	10%	33%	6%	43%	8%
Deep incorporation	18%	19%	14%	46%	2%
Nitrification inhibitors	8%	35%	0%	44%	13%
Other	7%	10%	4%	68%	12%