THIS PROJECT HAS RECEIVED FUNDING FROM THE **EUROPEAN UNION' HORIZON 2020 RESEARCH AND INNOVATION PROGRAMME** UNDER GRANT AGREEMENT N. 101000339

IPM works

ORCHARDS

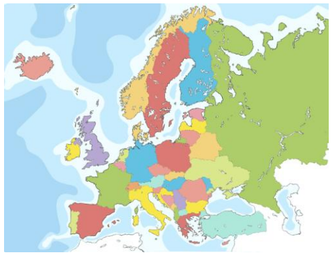
Survey #3: Progress in IPM adoption

TOPICS OF SURVEY #3:

- FARMING CONTEXT
- FARMERS' AWARENESS ON IPM
- CULTURAL PRACTICES: FARM LEVEL
- CULTURAL PRACTICES: CROP LEVEL
- SELF-EVALUATION: PERCEPTION OF CHANGES

NUMBER OF FARMS

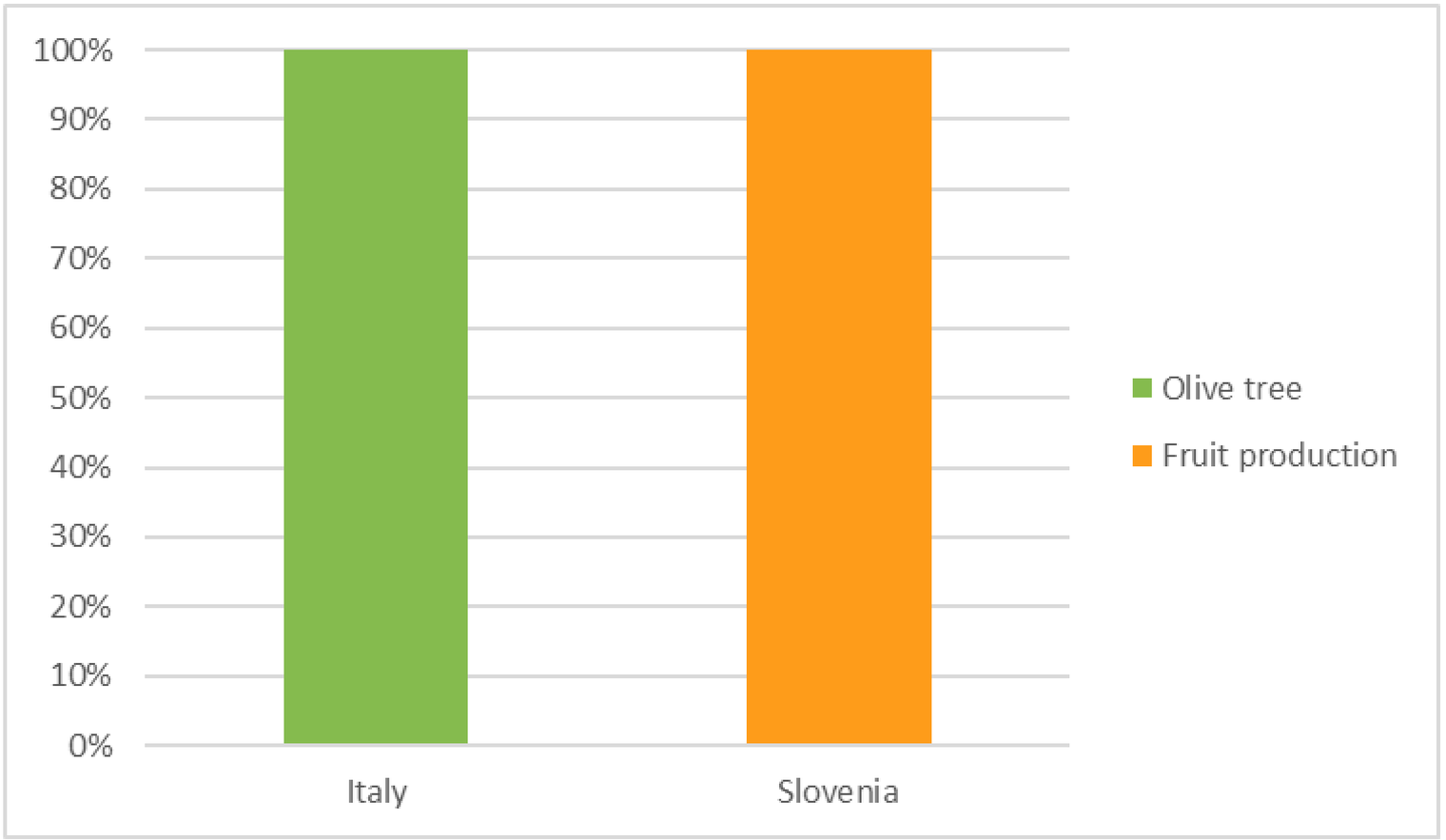
13



PARTICIPANT COUNTRIES

ITALY, SLOVENIA

Main tree species in participating countries

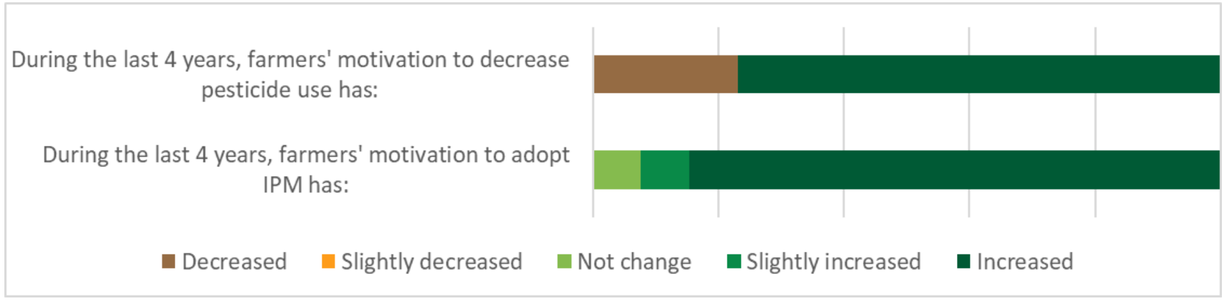


Each country is specialised in a particular tree species. Fruit production mainly includes apples.

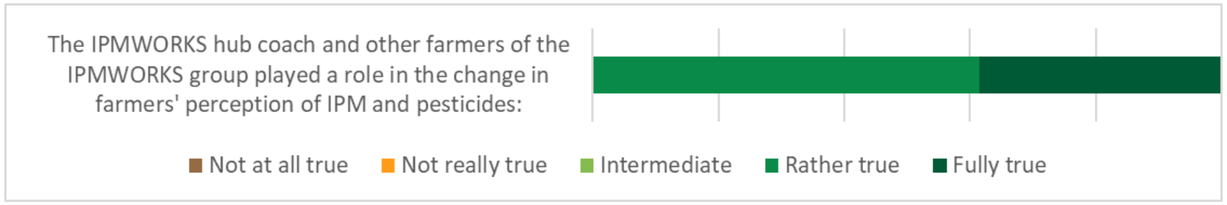
Farmers' awareness on IPM

CHANGES IN MOTIVATION AND CAUSES OF CHANGES

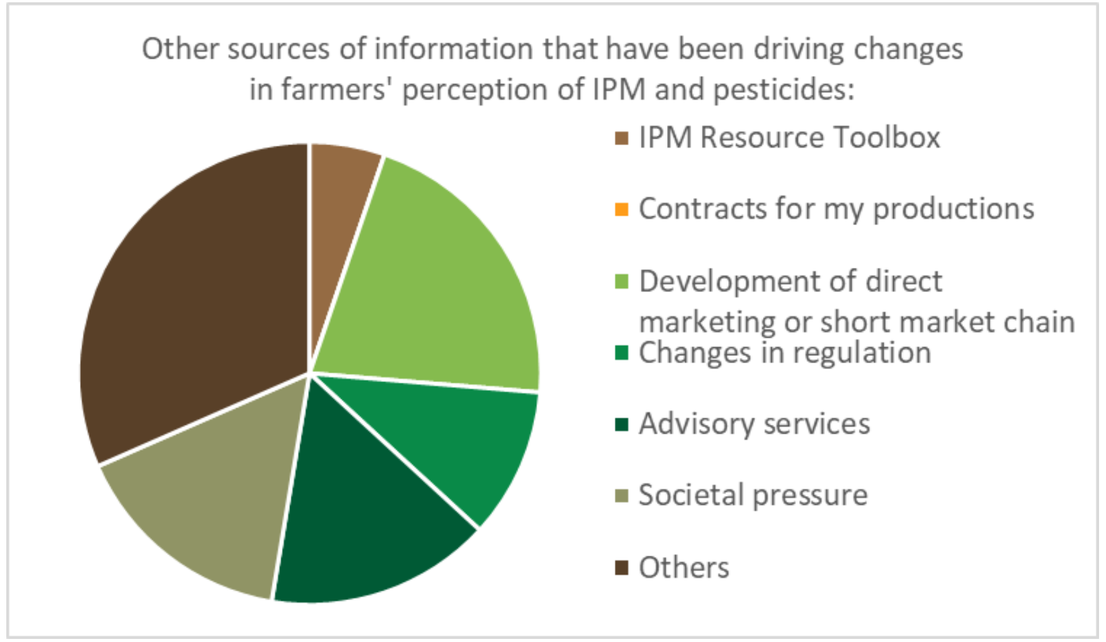
CHANGES IN MOTIVATION



CONTRIBUTION FROM HUB COACHES AND OTHER FARMS



CAUSES OF CHANGES IN PERCEPTION



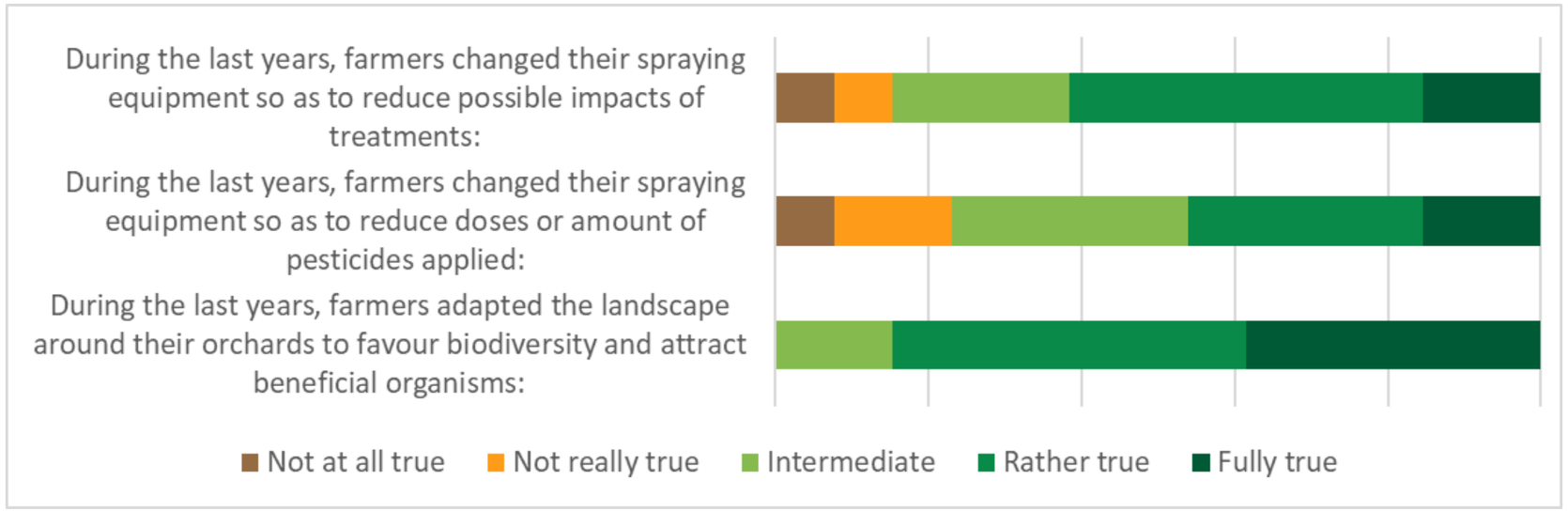
Farmer's motivation increase to reduce pesticide use and adopt IPM.

Interest of hub coach and other farms in changing the farmers' perception of IPM and pesticide use.

Importance of other sources (personal research on internet, meetings with other farmers) in changing the farmers' perception of IPM and pesticide use.

Cultural practices: farm level

CHANGES IN CULTURAL PRACTICES AT THE FARM LEVEL

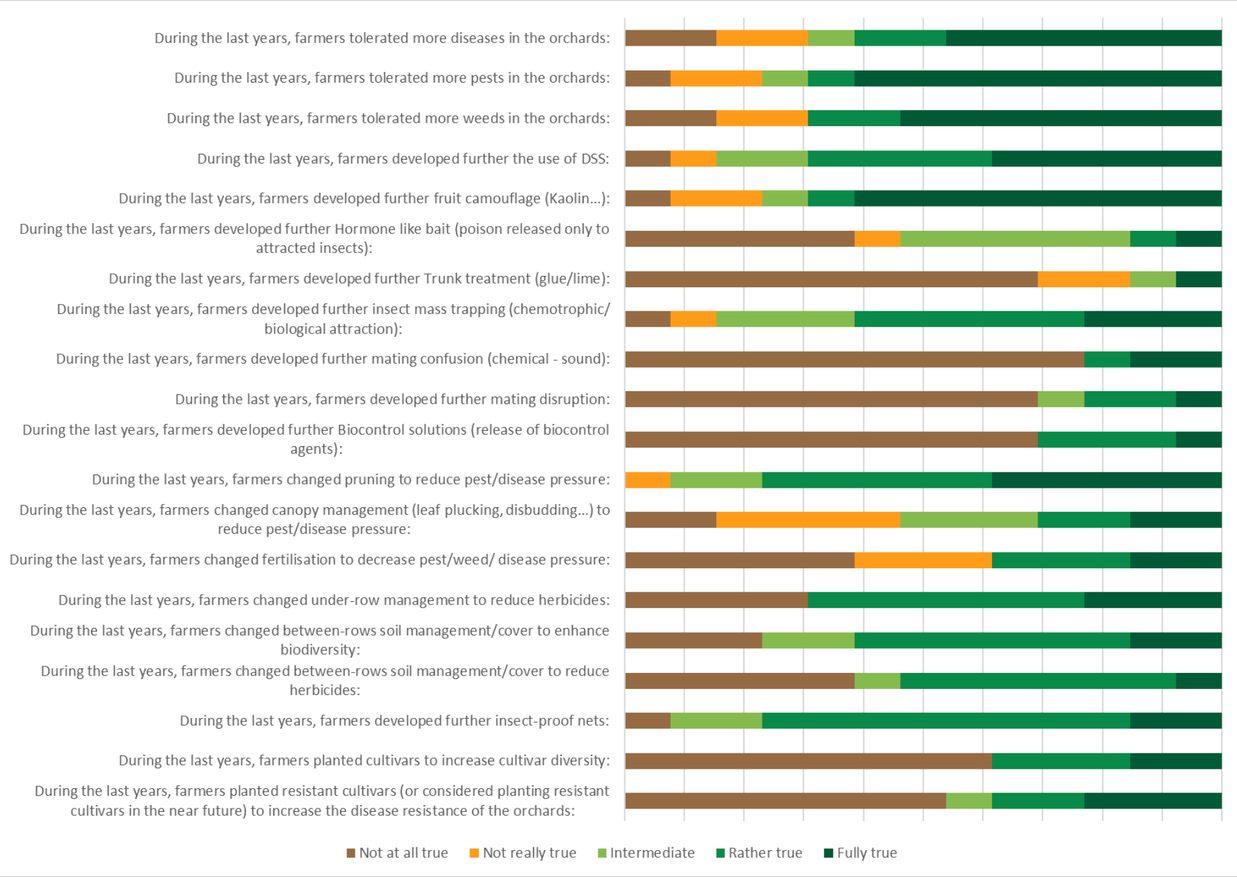


Farmers adapted the landscape around their greenhouse to favour biodiversity.

Half of the farmers change their spraying equipment.

Cultural practices: crop level

CHANGES IN CULTURAL PRACTICES AT THE CROP LEVEL

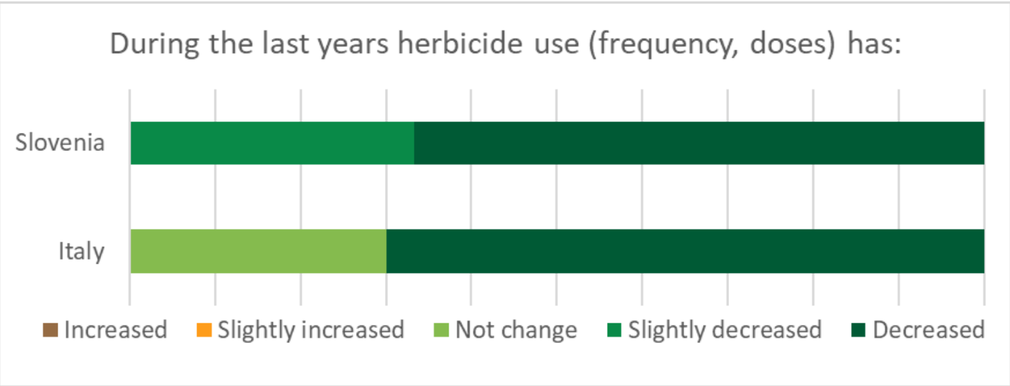


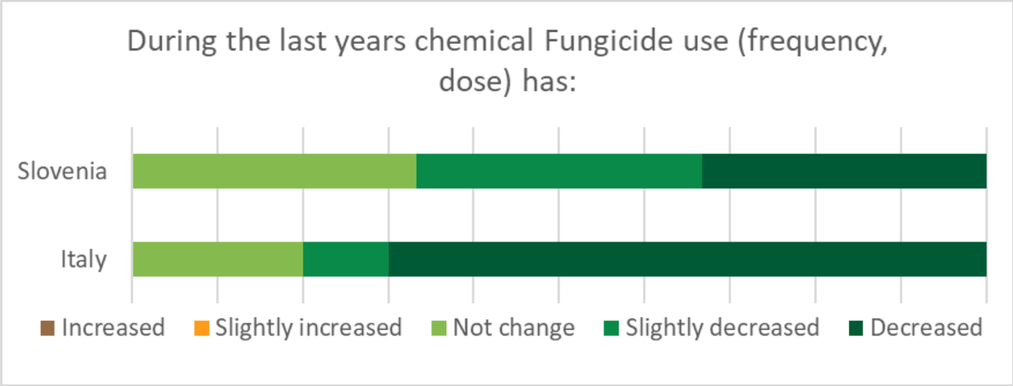
More tolerance to diseases, pests and weeds.
More use of alternative practices to reduce pesticides (fruit camouflage, pruning, soil management, nets).

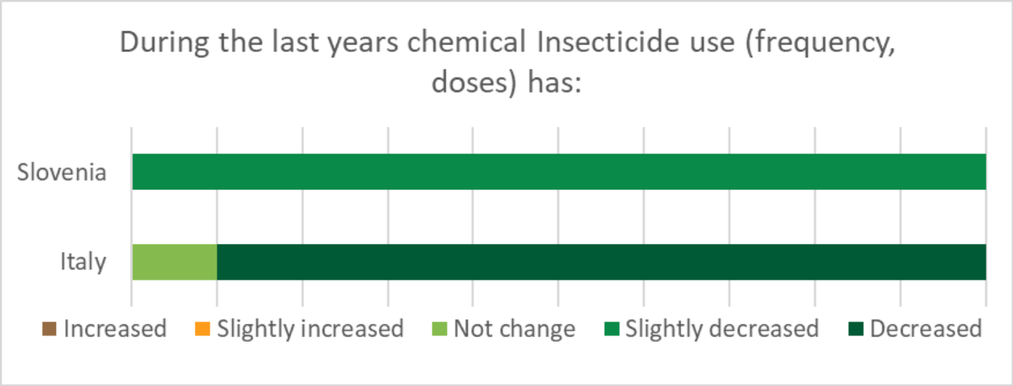
No further use of trunk treatment, mating confusion, mating disruption and biocontrol solutions.
No increase of cultivar diversity.

Self-evaluation

PESTICIDE USE DEPENDING ON THE COUNTRY





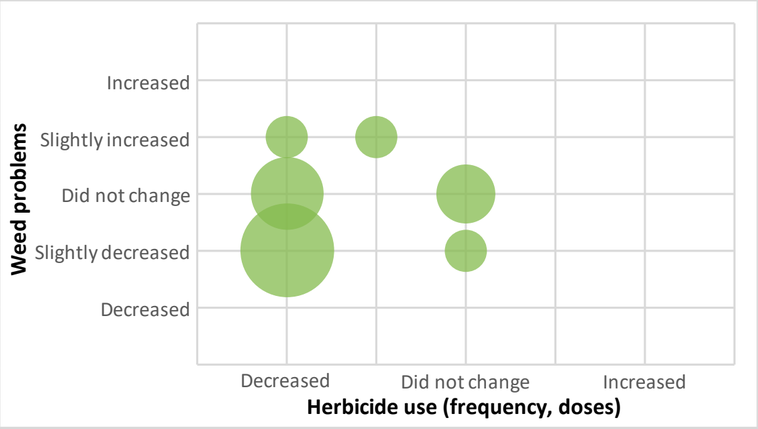


Less use of pesticides (herbicide, fungicide and insecticide) during the study in every country.

Self-evaluation

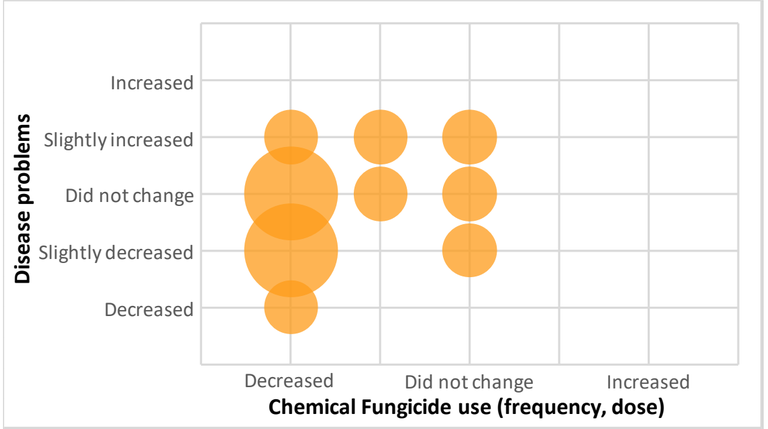
WEED, DISEASE AND PEST PROBLEMS COMPARED TO THE USE OF CHEMICAL PRODUCTS

WEED PROBLEMS



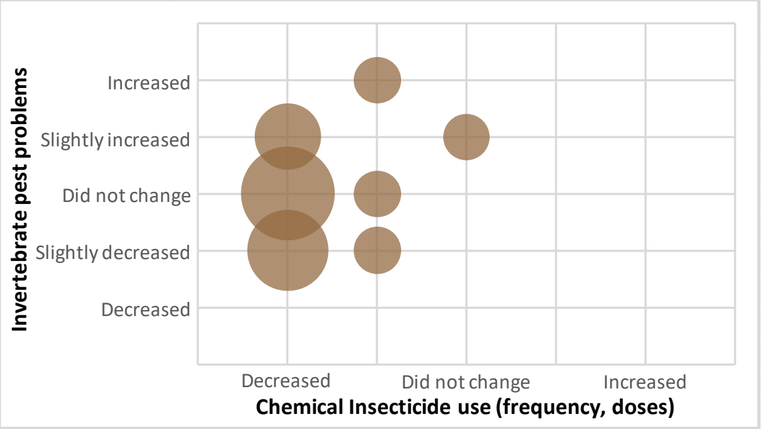
Slightly less weed problems when herbicide use is reduced.

DISEASE PROBLEMS



Slightly less disease problems when fungicide use is reduced.

PEST PROBLEMS

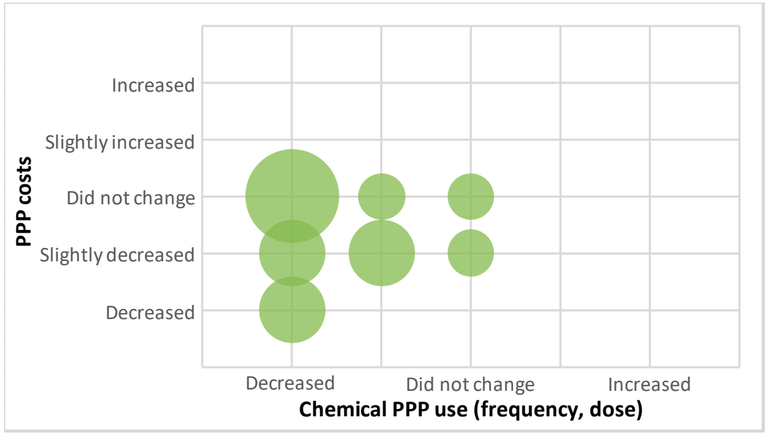


No change in pest problems when insecticide use is reduced.

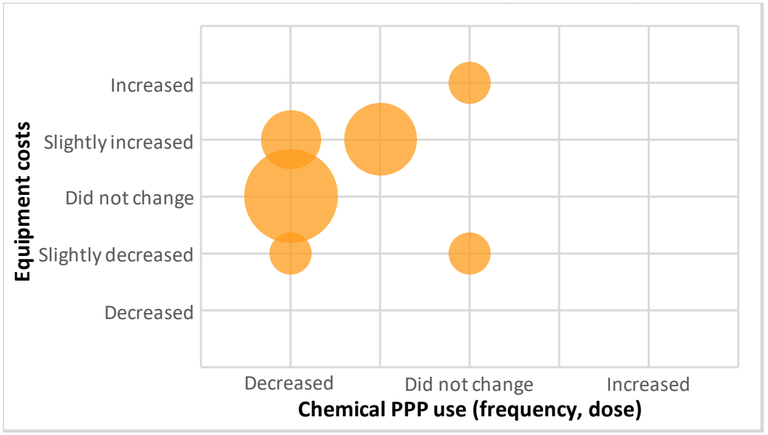
Self-evaluation

FARM COSTS COMPARED TO THE USE OF CHEMICAL PRODUCTS

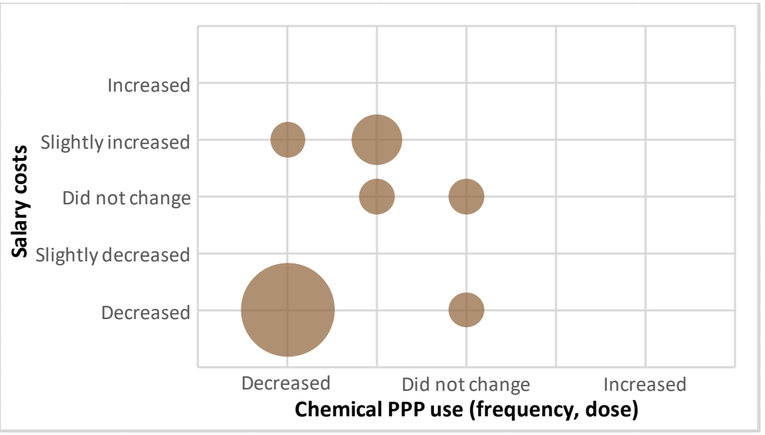
PPP COSTS



EQUIPMENT COSTS



SALARY COSTS



Slightly less PPP costs when pesticide use is reduced.

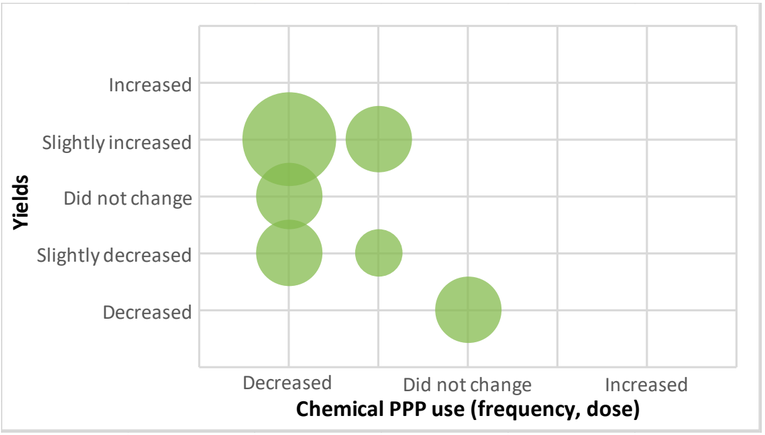
No change in equipment costs when pesticide use is reduced.

Less salary costs when pesticide use is reduced.

Self-evaluation

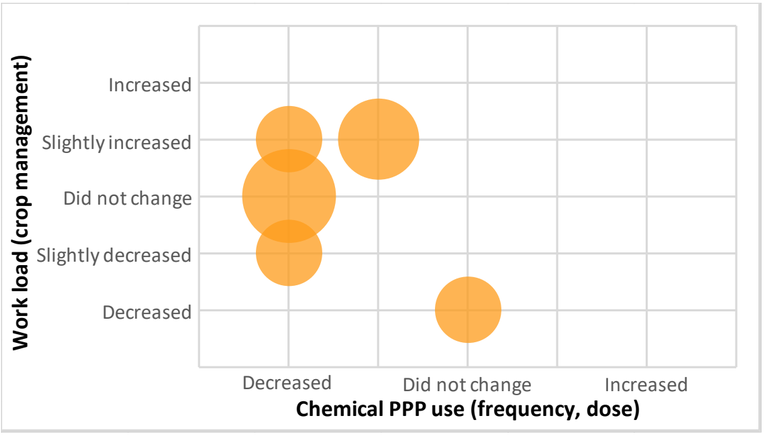
YIELDS, WORKLOAD AND PROFITABILITY COMPARED TO THE USE OF CHEMICAL PRODUCTS

YIELDS



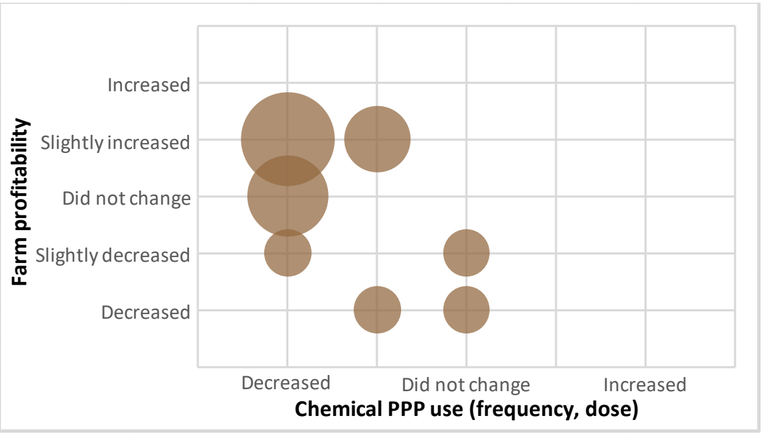
Slightly more yield when pesticide use is reduced.

WORKLOAD



Slightly more work load when pesticide use is reduced.

PROFITABILITY



Slightly more profitability when pesticide use is reduced.

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