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

IPM works

VINEYARDS

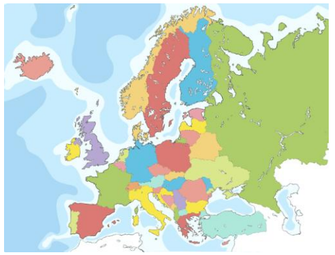
Survey #3: Progress in IPM adoption

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

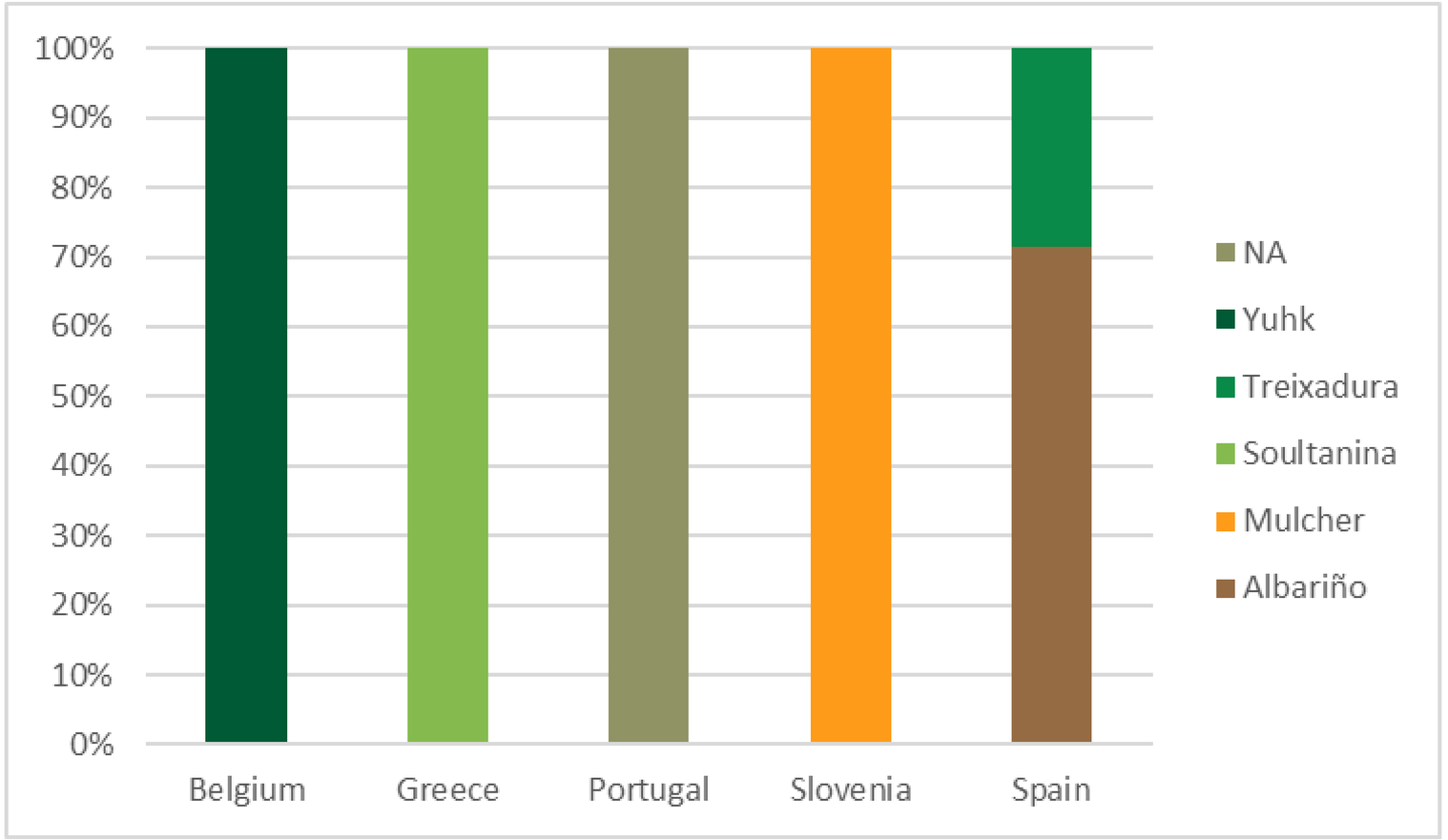
30



PARTICIPANT COUNTRIES

BELGIUM, GREECE, PORTUGAL, SLOVENIA, SPAIN

Main cultivars in participating countries

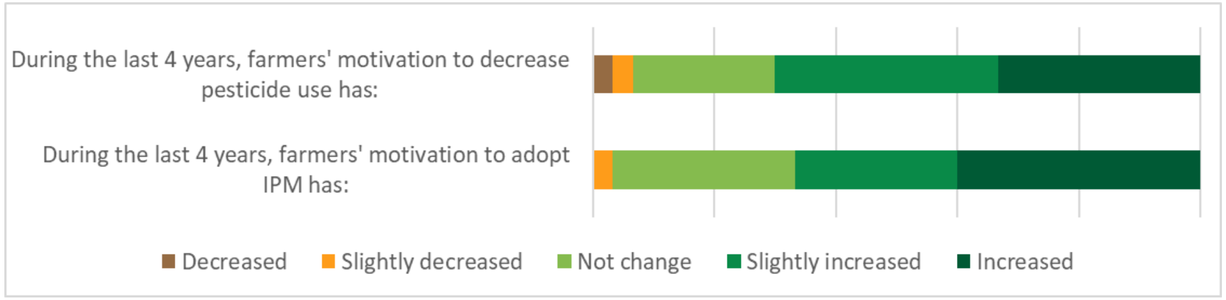


Each country is specialised in a particular cultivar.

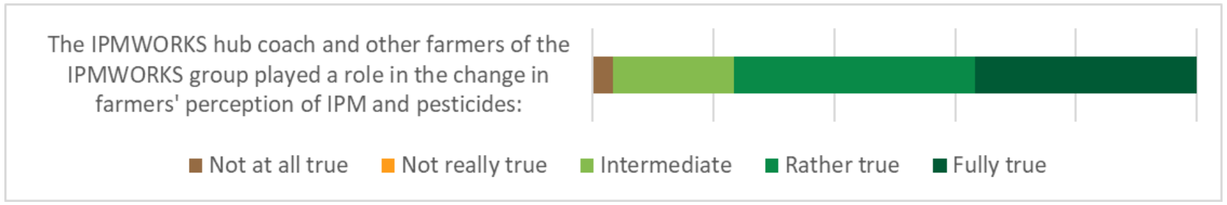
Farmers' awareness on IPM

CHANGES IN MOTIVATION AND CAUSES OF CHANGES

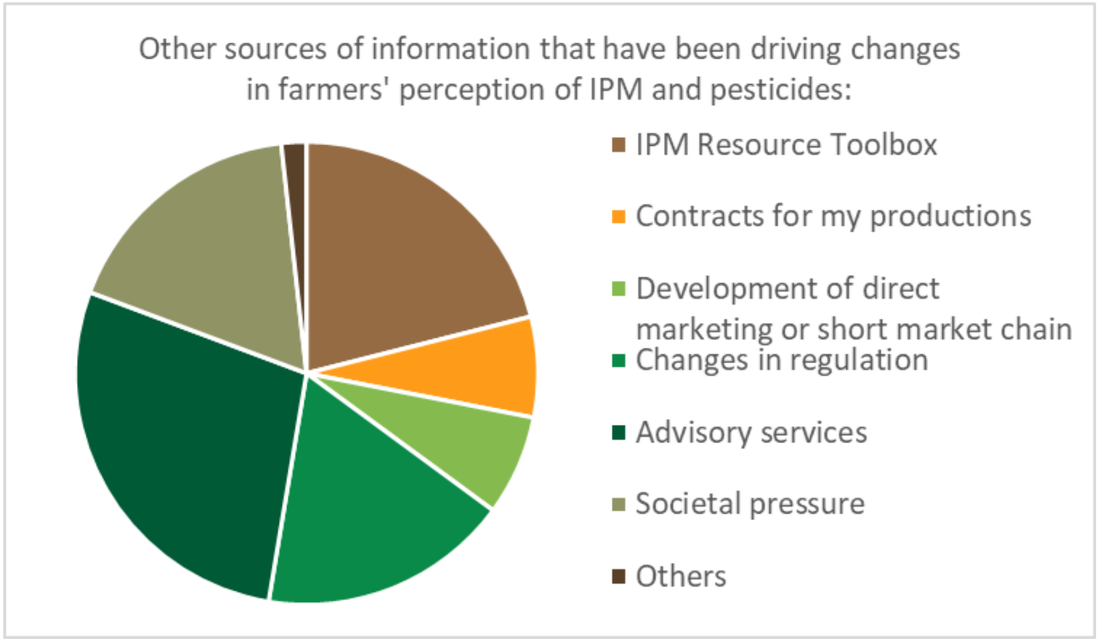
CHANGES IN MOTIVATION



CONTRIBUTION FROM HUB COACHES AND OTHER FARMS



CAUSES OF CHANGES IN PERCEPTION



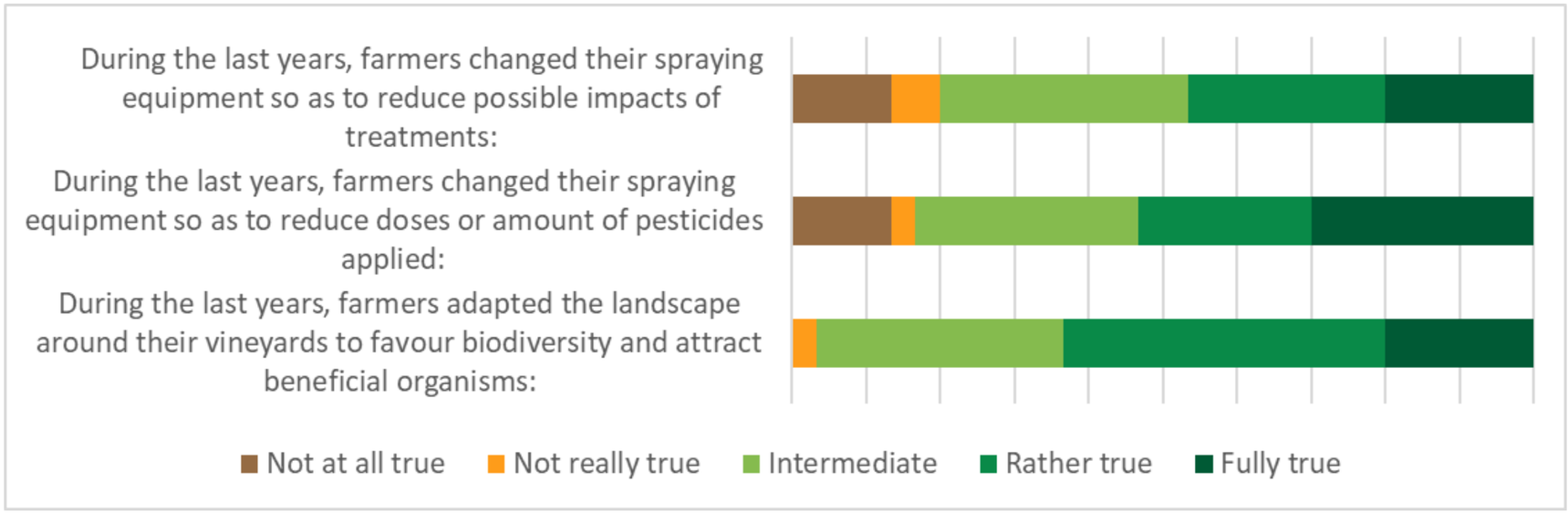
Farmer's motivation increase to reduce pesticide use and adopt IPM.

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

Importance of IPM resource toolbox, changes in regulation, advisory services and societal pressure in changing the farmers' perception of IPM and pesticide use.

Cultural practices: farm level

CHANGES IN CULTURAL PRACTICES AT THE FARM LEVEL



Half of farmers adapted the landscape around their vineyards to favour biodiversity and change their spraying equipment.

Cultural practices: crop level

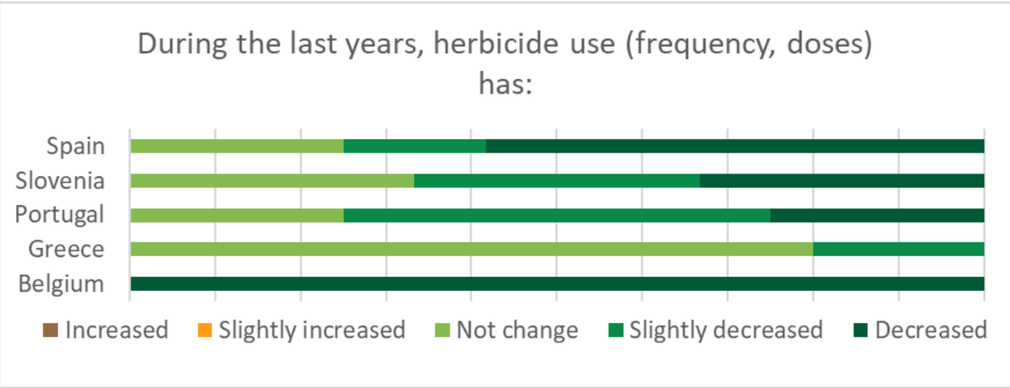
CHANGES IN CULTURAL PRACTICES AT THE CROP LEVEL

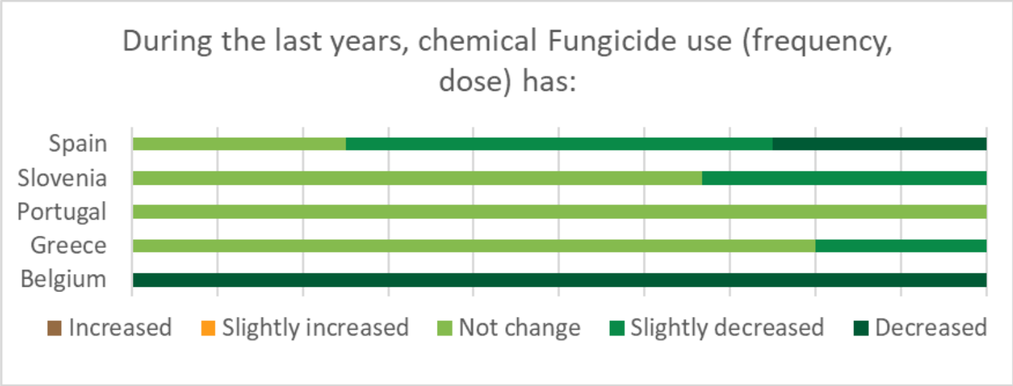
More tolerance to weeds.
Half of farmers use more DSS and change fertilisation and canopy, under-row and between-row management.

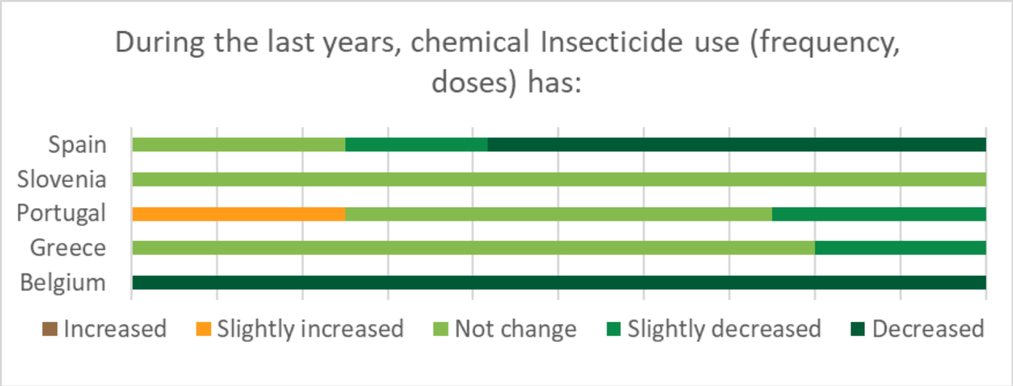
No further tolerance to diseases and pests.
No further grape camouflage, hormone like bait, trunk treatment and insect mass trapping.

Self-evaluation

PESTICIDE USE DEPENDING ON THE COUNTRY





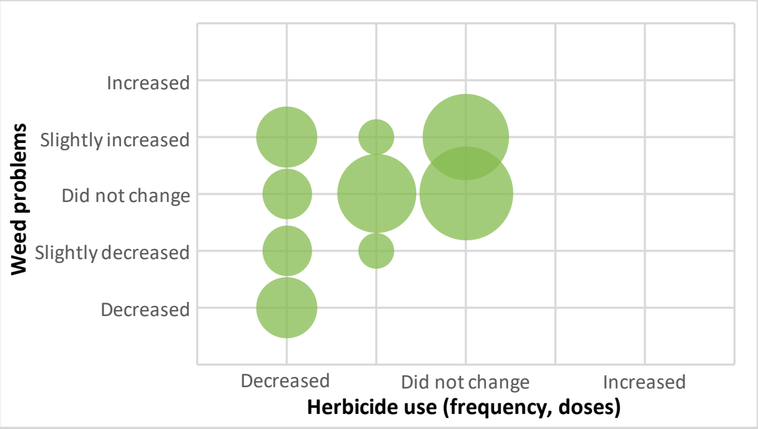


Tendency of less use of pesticides (herbicide, fungicide and insecticide) during the study, although there is some variation between the type of pesticide and countries.

Self-evaluation

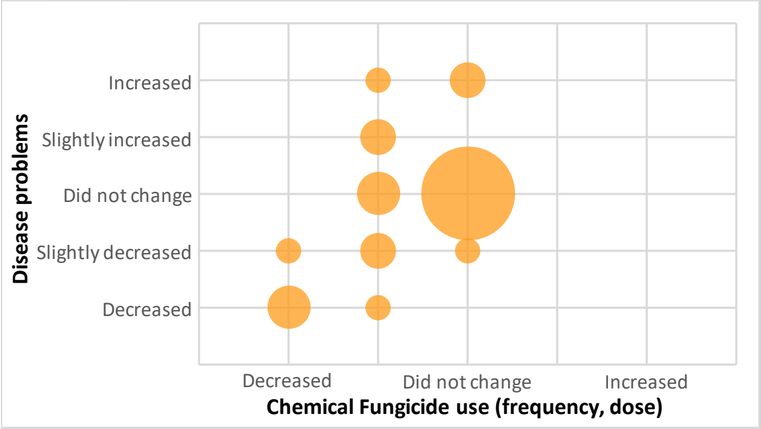
WEED, DISEASE AND PEST PROBLEMS COMPARED TO THE USE OF CHEMICAL PRODUCTS

WEED PROBLEMS



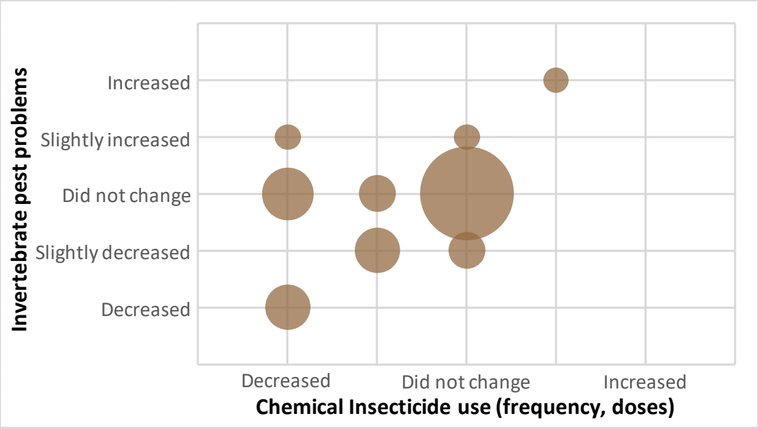
Slightly less weed problems when herbicide use is reduced.

DISEASE PROBLEMS



Slightly less disease problems when fungicide use is reduced.

PEST PROBLEMS

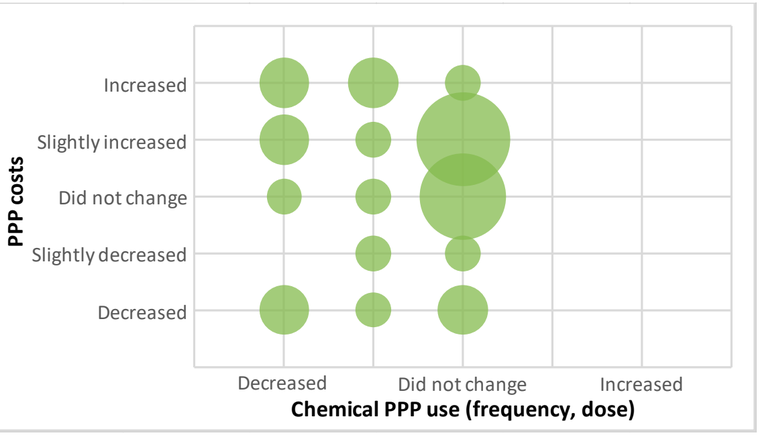


Slightly less pest problems when insecticide use is reduced.

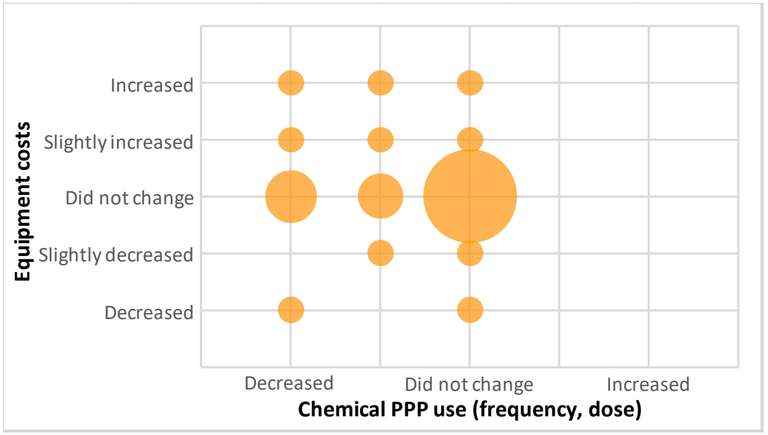
Self-evaluation

FARM COSTS COMPARED TO THE USE OF CHEMICAL PRODUCTS

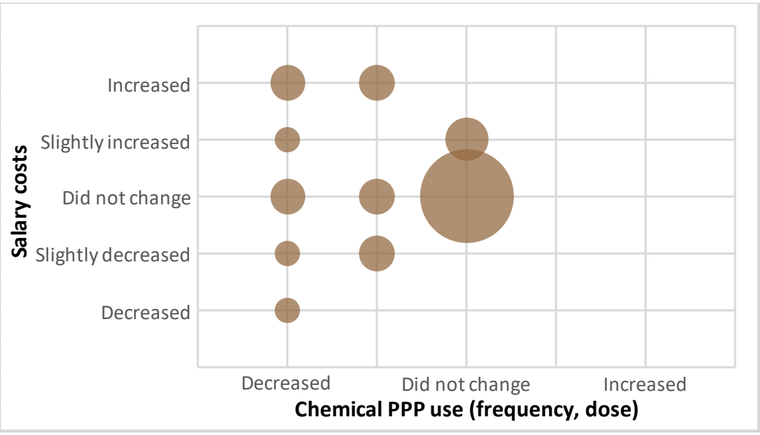
PPP COSTS



EQUIPMENT COSTS



SALARY COSTS



No change in PPP costs when pesticide use is reduced.

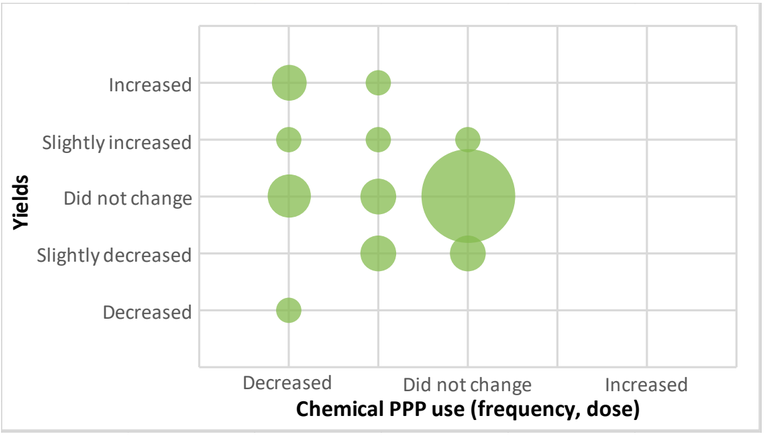
Non change in equipment costs when pesticide use is reduced.

No change in salary costs when pesticide use is reduced.

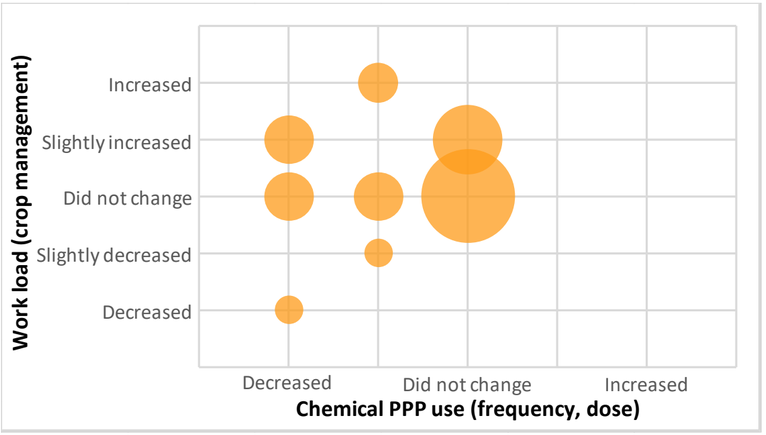
Self-evaluation

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

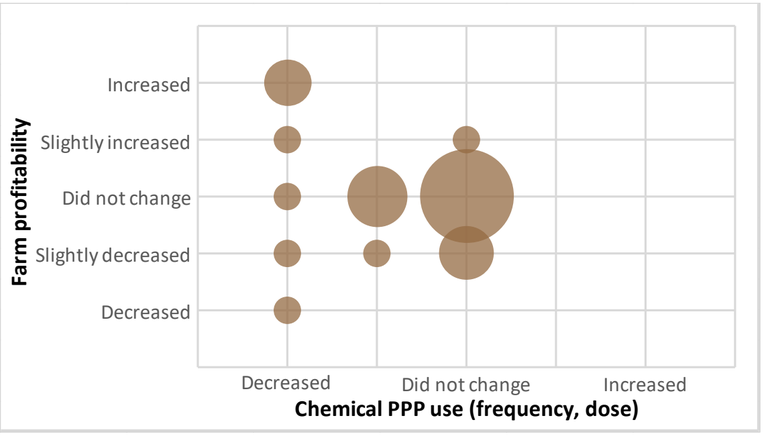
YIELDS



WORKLOAD



PROFITABILITY



No change in yield when pesticide use is reduced.

No change in work load when pesticide use is reduced.

No change in profitability when pesticide use is reduced.

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