

IPDM PROJECT UPDATE:

An integrated pest and disease management extension program for the olive industry (OL17001)

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Hort Innovation
Strategic levy investment

AUSTRALIAN OLIVE ASSOCIATION LTD

WESTERN SYDNEY UNIVERSITY

Hort Innovation
Strategic levy investment

OLIVE FUND

This project has been funded by Hort Innovation using the olive research and development levy and funds from the Australian Government.
For more information on the fund and strategic levy investment visit horticulture.com.au

PROJECT ACTIVITIES

WP1. Collate and analyse existing information on olive IPDM, with particular reference to Black Scale, OLB and Anthracnose (Year 1)

- Major Literature Surveys,
- Survey of Australian olive growers
- Follow-up survey Year 3

WP2. Workshops/field days (Years 1 and 2)

- IPDM Workshops (9): Covering principles and practices of IPDM; monitoring, biology/ecology/life cycles of Black Scale, Olive Lace Bug, and Anthracnose (with a local focus); conventional and organic management
- Master Classes (2): for consultants, pest monitoring scouts in large groves etc.

WP3. IPDM extension/communications platform for the industry (Years 2 and 3)

- revised Pest and Disease Field Guide
- best practice IPDM manual.
- web-based tutorials
- flyers on IPDM and the three target species

PROJECT IPDM SURVEY

Conducted June 2018

30 Questions in 5 Sections:

- Orchard/grove attributes
- Pests & Diseases in your orchard/grove
- Integrated Pest & Disease Management
- Biosecurity
- Future Extension


Boundary Bend


Dryland organic farming, https://grampiansoliveco.com.au

130 respondents, >75% of plantings

PEST STATUS	SCORE	KEY STATES
1. Black scale/ Ants	602	All
2. Olive lace bug	211	NSW, Qld, WA, Vic (SA, Tas)
3.Weevil/ Curculio beetle	49	WA, SA, Vic
4. Others: Grasshoppers, Rutherglen bug, Fruit fly		

DISEASE STATUS	SCORE	KEY STATES
1. Anthracnose	267	All except Tas
2. Peacock spot	139	Tas, NSW,SA, Vic
3. Dieback	102	Qld, NSW, WA
4. Phytophthora/ Verticillium wilt	62 60	NSW, Vic, SA, WA
5. Others: Cercospora/ Grey mould, Olive knot		

OTHER PESTS

Birds (cockatoos, parrots, rosellas, starlings)

Kangaroos/wallabies

Rabbits/hares

Deer

IMPORTANCE OF PESTICIDES	% Growers
Very important- main control	34
Quite important	32
Relatively unimportant	16
Not used at all	15

CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

RLP Approved

Admiral®

INSECT GROWTH REGULATOR

ACTIVE CONSTITUENT: 100 g/L PYRIPROXYFEN
SOLVENT: 450 g/L LIQUID HYDROCARBONS

GROUP 7C INSECTICIDE

For the control of silverleaf whitefly (*Bemisia tabaci* Biotype B) in cotton, rockmelon and capsicum, the control of silverleaf whitefly (*Bemisia tabaci* Biotype B) and greenhouse whitefly in tomatoes, and the control of various scale in citrus, mangoes and olives.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT.

CONTENTS: 1L, 5L, 20 L, 200 L

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Admiral Insect Growth Regulator *7 September 2011* *Page 1 of 5*

MOST COMMONLY USED PESTICIDES ARE, IN ORDER FOR EACH PEST/DISEASE

BLACK SCALE

Spray Oils

Admiral® (pyriproxyfen)

Insegar® (fenoxycarb)

LACE BUG

Pyrethrum

Spray Oils (various)

Confidor (imidacloprid)

Samurai (clothianidin)

Dimethoate

WEEVIL

Avatar® (indoxacarb)

Dominex® (alpha-cypermethrin)

Spray Oils (various)

ANTHRACNOSE

Copper (various)

Amistar® (azoxystrobin)

Aero® (pyraclostrobin + metiram)

PEACOCK SPOT

Copper (various)

PHYTOPHTHORA

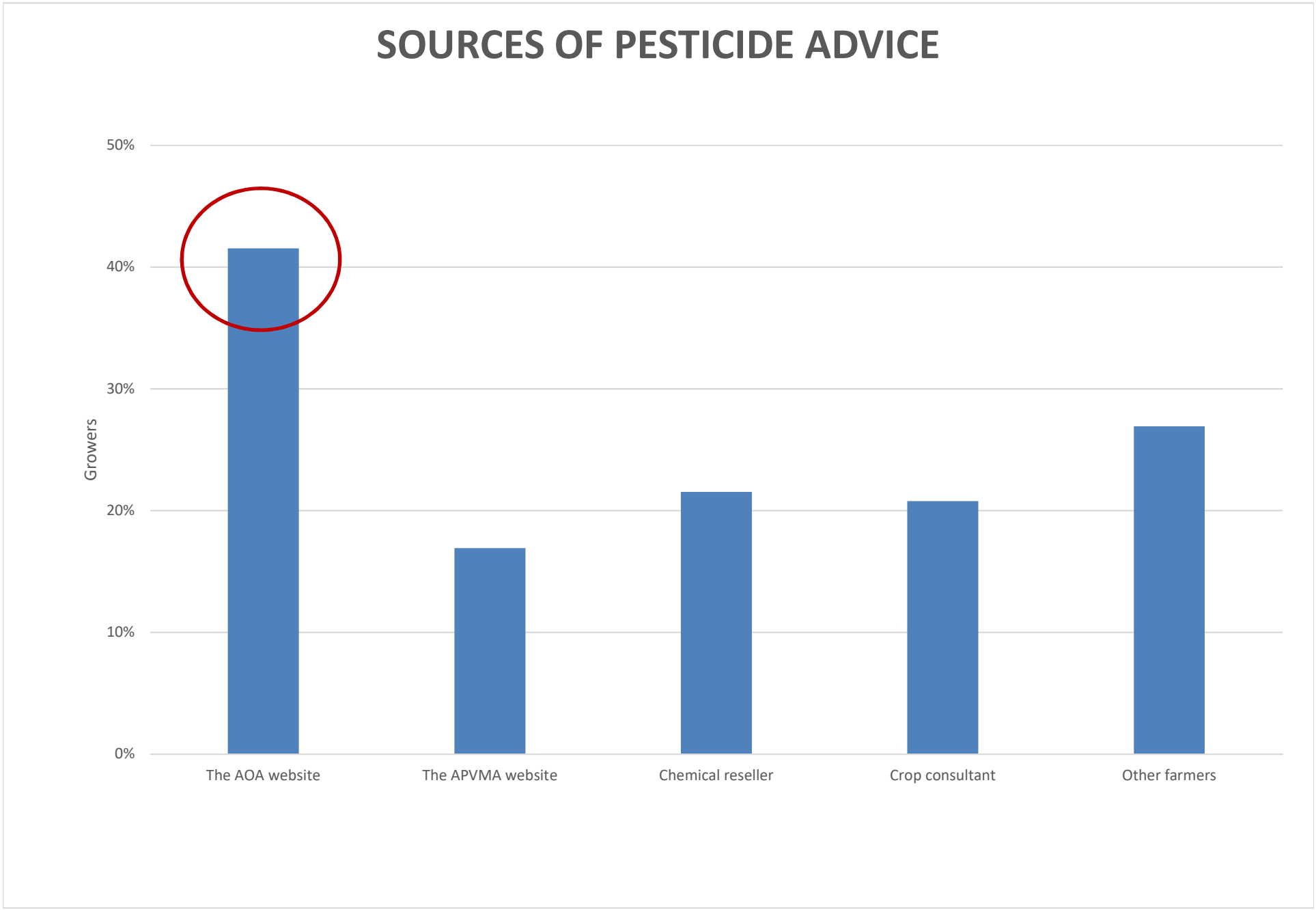
Phosphorous (Phosphonic) Acid

APPLICATION METHODS

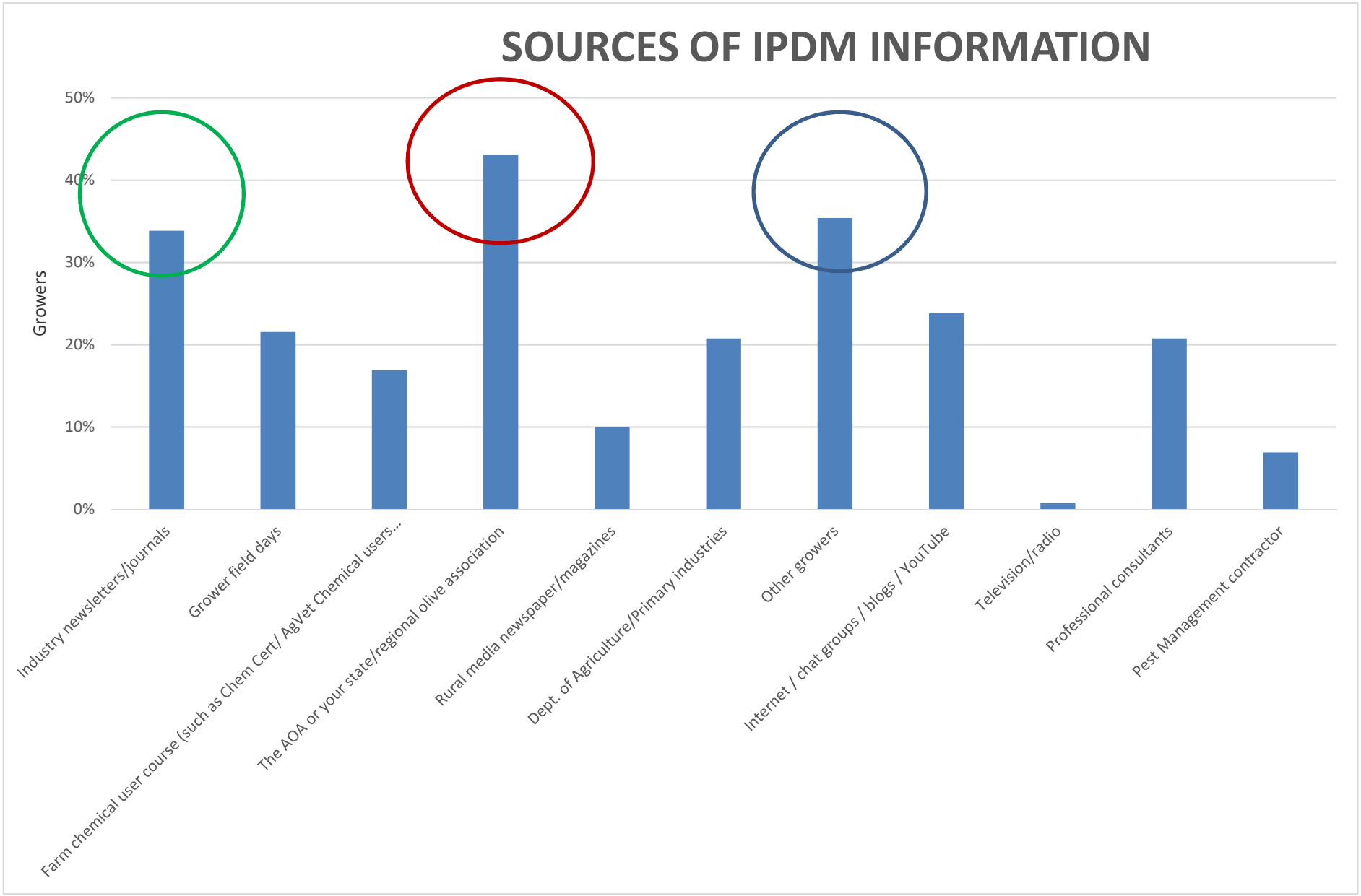
Air blast 41%

Hand held application/wand 36%

Boom sprayer 18.5 %

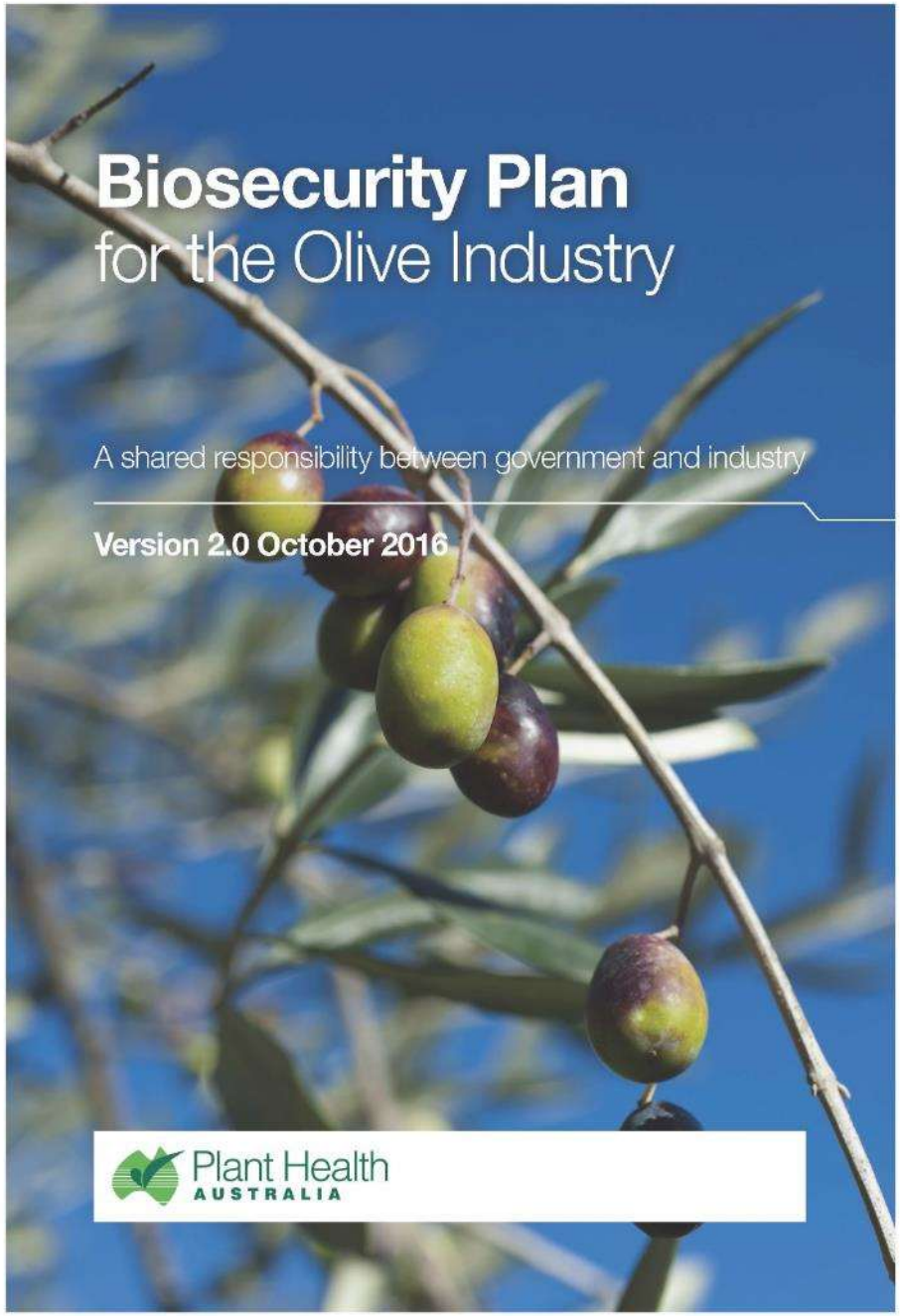

SOURCES OF PESTICIDE ADVICE
50%
40%
30%
20%
10%
0%
Growers
The AOA website
The APVMA website
Chemical reseller
Crop consultant
Other farmers

KNOWLEDGE OF IPDM	
	% Growers
Nothing	13.8
Only a little	49.2
Quite a lot	22.3
Understand it well	8.5
No response	6.2

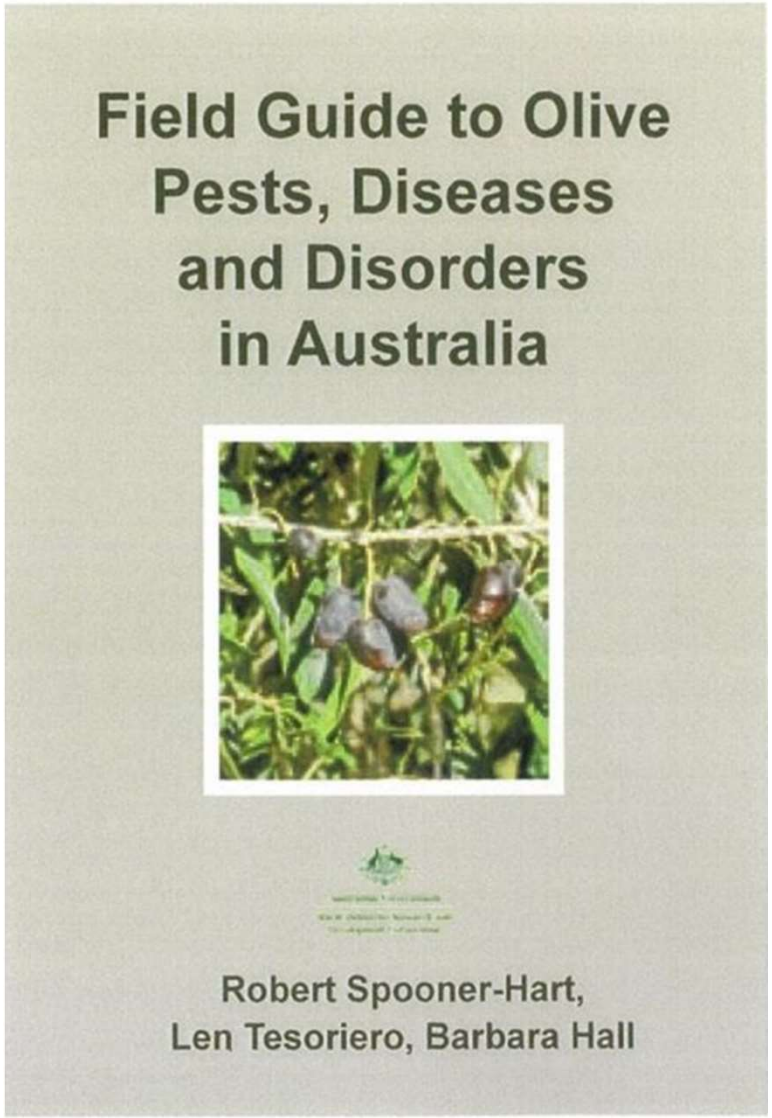

SOURCES OF IPDM INFORMATION
Growers
50%
40%
30%
20%
10%
0%
Industry newsletters/journals
Grower field days
Farm chemical user course (such as Chem Cert/ AgVet Chemical users...
The AOA or your state/regional olive association
Rural media newspaper/magazines
Dept. of Agriculture/Primary industries
Other growers
Internet / chat groups / blogs / YouTube
Television/radio
Professional consultants
Pest Management contractor

IDENTIFICATION SKILLS	
	% Growers
Can identify important pest insects	80
Can identify important diseases and disorders	62
Can identify beneficial species	43
Can effectively monitor grove	70

BIOSECURITY MEASURES	
	% Growers
Grove machinery wash down facilities	50.8
Farm biosecurity preparedness plan	17.7
Read current version of Biosecurity Plan for Olive industry	12.3
Other issues raised: Olive harvesters Olive processors (for and by) Overseas travellers (both ways)	



PREFERRED IPDM INFORMATION OTHER THAN FIELD DAYS	
	% Growers
Web-based tutorials	51.5
An IPDM best-practice manual	58.5
Flyers (1 page factsheets) on major pests and diseases	53.8



FIELD DAY PROGRAM BY WSU AND AOA

IPDM , Principles and practices of IPDM, Monitoring, Biology and life cycles of key pests and diseases, Conventional and organic management, followed by Grove Walk

OTHER TOPICS COVERED AT THE FIELD DAY

Risk Management, Biosecurity, Continuous Improvement and Technical Support, including OliveCare® Code of Best Practice

Grove Management to produce Healthy Trees for Implementation of an IPDM Program

Product Quality Improvement, including Australian International Olive Awards and Regional Olive Competitions, The *Tastebook™* Sensory Training Program.

Market Development: The Everyday Campaign, Olive Wellness Institute

There will be formal and informal opportunities for questions and answers and a Post Field Day Networking Dinner/BBQ

FIELD DAYS SCHEDULE

Marulan (NSW) 10 Aug

Lovedale (NSW) 12 Aug

Perseverance (QLD) 3 Nov

Geelong (VIC) 16 Nov

Shepparton (VIC) 18 Nov

Roseworthy (SA) 24 Nov

Launceston (TAS) 1 Dec

Gin Gin (WA) 15 Feb, 2019

Margaret River (WA) 17 Feb, 2019



WE LOOK FORWARD TO YOUR FURTHER PARTICIPATION IN THE PROJECT

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