EPPO activities on PPP

CEUREG Forum Budapest, 2019-10-14/15

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Agenda

EPPO Standards

- EPPO Databases
- Zonal Assessment

• Planned activities and other updates



49th Working Party on Plant Protection Products Paris 2019-05-27/29













EPPO Standards approved by the EPPO Council (September 2019)

Specific Standards for Efficacy Evaluation of Plant Protection Products (series PP 1):

- Xanthomonas arboricola pv. pruni on stone fruit NEW
- Pseudomonas syringae pv. syringae on stone fruit NEW
- Aculops lycopersici on tomato NEW
- Leaf and plant hoppers on grapevines NEW
- Revision of PP 1/74 Scales on citrus
- Evaluation of mating disruption techniques against Lepidoptera pests in grapevine, pome and stone fruits under field conditions – NEW









EPPO Standards approved by the EPPO Council (September 2019)

- General Standards for Efficacy Evaluation of Plant Protection Products (series PP 1):
- Revision of PP 1/264 Principles of trials design and data generation for mating disruption pheromones
- Revision of PP 1/271 *Guidance on comparative assessment.* This revision followed the **EPPO Workshop** on this topic held in Lisbon on 2018-10-24/25

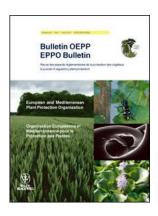


EPPO Standards on Efficacy Evaluation of PPPs (series PP1)

• This long-term programme has already produced a total of **318** Standards:

- **286 Specific Standards** (describing the conduct of trials to assess efficacy of individual PPPs against specific pests) and
- **32 General Standards** (covering all aspects of efficacy to help countries in understanding and fulfilling their obligations in the registration of PPPs)

New and revised Standards approved by the EPPO Council will be published in the *Bulletin OEPP/EPPO Bulletin* 49(3) December (on line before)





APPROVAL PROCEDURE OF STANDARDS

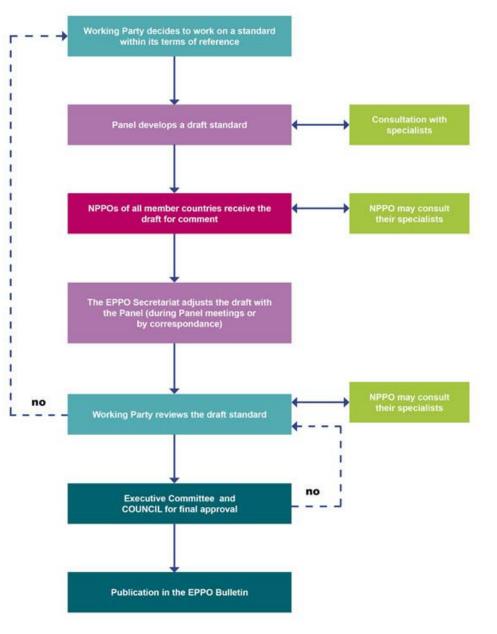
EPPO

How is the revision of a PP1 Standard undertaken?

Upon suggestion of:

- EPPO Panel members;
- External experts (e.g. from industry, other users of Standards...)
- EPPO Secretariat (e.g. when reference to Regulation or other publications needs to be changed);
- Etc.

The suggestion\proposal for the revision is <u>discussed at EPPO Panel</u> level and the output of the discussion is presented at the WP = the technical body who decides about the Panels` work programme



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EPPO PP1 Database on PP1 Standards

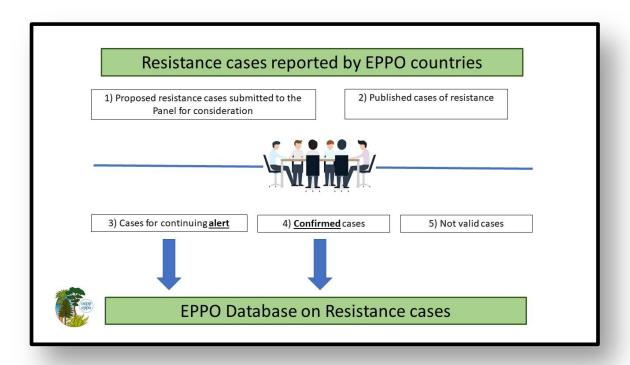
- New facilities for users and improved processes in 2018 new payment options (same level of cost)
- FREE for Panel members and Authorities (via NPPO)

on PP1 Standards		advanced search			
ome Approval procedure	List of EPPO Star	dards 🕶 Version history Subscription plans Useful links	-		
TANDARDS	Standards	: Insecticides - Acaricides			
General Standards	Number 🛧	Title	Year of approval 🗘	Version 🗘	Action
Fungicides -	Search	Search	-selec •	- sele 🔻	
Bactericides	PP1/006(3)	Adoxophyes orana	1997	3	View
Insecticides-Acaricides Herbicides	PP1/007(3)	Cydia pomonella	1997	3	View
Plant growth regulators	PP1/008(3)	Delia antiqua	1997	3	View
Molluscicides Nematicides	PP1/009(3)	Delia radicum	1997	3	View
Rodenticides	PP1/010(4)	Delia coarctata	2004	4	View
Side-effects	PP1/011(3)	Eupoecilia ambiguella and Lobesia botrana	1997	3	View
	PP1/012(4)	Leptinotarsa decemlineata	2008	4	View
	PP1/013(3)	Ostrinia nubilalis	1997	3	View
	PP1/014(4)	Chamaepsila rosae	2010	4	View
	PP1/015(3)	Tetranychid mites in orchards	1997	3	View



EPPO Database on Resistance Cases (in progress)

- ✓ Objective: sharing information on resistance cases including published (confirmed) cases of resistance and reports of suspected resistance (emerging cases) agreed by the EPPO Resistance Panel.
- ✓ Hosted by the EPPO Secretariat



- Prototype for the system validated – pilot project on-going

- Tool for the Panel, access to users beyond Panel under discussion



Extrapolation Tables https://www.eppo.int/ACTIVITIES/plant_protection_products/extrapolation_tables

- ✓ Extrapolation tables to accompany EPPO Standard PP 1/257 Efficacy and crop safety extrapolations for minor uses
- ✓ 82 extrapolation tables are available: of which 24 are for herbicides, 26 for fungicides and 32 for insecticides (specific and generic tables)

EPPO extrapolation tables should be used in conjunction with EPPO Standard PP 1/257 Efficacy and crop safety extrapol detailed lists of acceptable extrapolations organized by crop groups or pest groups for regulatory authorities and appl protection products for minor uses.	Cucumber Cucumis sative	us CUMSC, Courgette sh and pattypan/scallo	op squash and gourds)	omontiina (including zucchir CUUPE, Pumpkin <i>Cucurbi</i> i]
mportant note: All extrapolations should be viewed on a case-by-case manner and expert judgment should always be app	Pest	t i i i i i i i i i i i i i i i i i i i	Crop: within t	he Cucurbitaceae	Crops: outside C	ucurbitaceae		
iability as to the reliability of the information provided through these tables. Herbicides	1 Pest species	2 Pest group name	3 Indicator crops	4 Extrapolation to other crops	5 Data from these crops can support the indicator crops (reduced data or no data *)	6 Extrapolation to crops (reduced or no data*)	n to ed or	
Crop group	Liriomyza trifolii LIRITR, Liriomyza sp. 1LIRIG	Dipteran leaf miners	Melon CUMME or Cucumber CUMSC	All crops within the crop group	Peas and beans Solanaceous crops, Leafy	Rhubarb RHERH, Spinach SPQOL,		
Bulb vegetables (<i>Allium</i> spp.) Eff					vegetables	Celeriac APUGR, Celery APUGV, Lambs lettuce VLLLO.	,	
Bush fruits Eff	Delia platura HYLEPL	Root and soil flies	Melon CUMME or	All crops within the crop	Field Bean VICFX , Potato	Ornamentals Freesia FRESS,		
Flower bulbs and -tubers and bulb- and tuber flower crops Efi			Cucumber CUMSC	group	SOLTU, Soybean GLXMA, Phaseolus sp. PHSSS,	Allium vegetables, Asparagus ASPOF	.LLO,	
Grass seed crops Eff					Spinach SPQOL, Asparagus ASPOF, Allium vegetables		s,	
Peas and beans Eff	Aphis gossypii APHIGO	Aphids	Melon CUMME or	All crops within the crop	Strawberry FRASS, Cotton	Chrysanthemum	Î I	i F
Pome fruit Eff	and <u>Myzus persicae</u> MYZUPE, Myzus sp.		Cucumber CUMSC	group	GOSHI, Solanaceous crops, Phaseolus sp.	1CHYG, Hibiscus HIBSS, Rose 1ROSF,		F
Spring cereals including dry-seeded rice Eff	MYZUSP, Aulacorthum solani AULASO				PHSSS	Herbs	s OSF.	
Stone fruit Eff	solani AULASO	1		1	1	· · · · · · · · · · · · · · · · · · ·		i F
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Vegetable brassicas Eff	fectiveness				196			
Weeds in <i>Beta</i> crops Eff	fectiveness	Crop safety			1	12115	1	16
Winter cereals Eff	fectiveness	-			SQ - 1		5	-

EPPO Database for Extrapolation tables (first prototype)

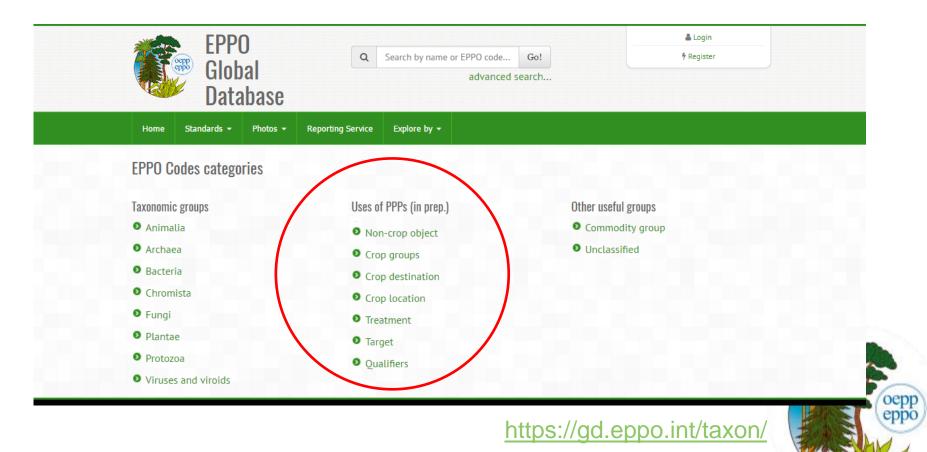
- Objective: create a searchable database to retrieve the extrapolation possibilities in the tables developed to accompany EPPO Standard PP 1/257 Efficacy and crop safety extrapolations for minor uses.
- Hosted by the EPPO Secretariat Common project with MUCF

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HOME ABOUT EPPO ~ MEETINGS ~ ACTIVITIES ~ RESOURCES ~ 1	EXTRAPOLATION TAE PESTS ON CUCURE	LE for EFFECTIVENES	S of INSECTICIDES				┝	Ъ
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liability as to the reliability of the information provided through these tables. Herbicides	1 Pest species	2 Pest group name	3 Indicator crops	4 Extrapolation to other crops	5 Data from these crops can support the indicator crops (reduced data or no data *)	6 Extrapolation to crops (reduced or no data*)	n to Id or	
Crop group Bulb vegetables (Allium spp.) Bush fruits	Liriomyza trifolii LIRITR, Liriomyza sp. 1LIRIG Eff	Dipteran leaf miners	Melon CUMME or Cucumber CUMSC	All crops within the crop group	Peas and beans Solanaceous crops, Leafy vegetables	Rhubarb RHERH, Spinach SPQOL, Celeriac APUGR, Celery APUGV, Lambs lettuce VLLLO,	I,	to I or
Flower bulbs and -tubers and bulb- and tuber flower crops	Eff Delia platura HYLEPL Eff Eff	Root and soil flies	Melon CUMME or Cucumber CUMSC	All crops within the crop group	Field Bean VICFX , Potato SOLTU, Soybean GLXMA, <i>Phaseolus</i> sp. PHSSS, Spinach SPQOL, Asparagus ASPOF, Allium vegetables	Ornamentals Freesia FRESS, Allium vegetables, Asparagus ASPOF	, LLLO, s, DF	-LO,
Pome fruit i Spring cereals including dry-seeded rice i Stone fruit	Aphis gossypii APHIGO and Myzus persicae MYZUPE, Myzus sp. MYZUSP, Aulacorthum solani AULASO	Aphids	Melon CUMME or Cucumber CUMSC	All crops within the crop group	Strawberry FRASS, Cotton GOSHI, Solanaceous crops, <i>Phaseolus</i> sp. PHSSS	Chrysanthemum 1CHYG, Hibiscus HIBSS, Rose 1ROSF, Herbs	s OSF,	ŧ.
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Vegetable brassicas	Effectiveness				37. 9			D
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Winter cereals I	Effectiveness						-	111

https://www.eppo.int/ACTIVITIES/plant_protection_products/extrapolation_tables

EPPO Codes to describe uses of Plant Protection Products

- P Harm continued harmonized classification ('non-taxonomic' codes) following principles in PP 1/248 Harmonized classification and coding of the uses of PPP
- Useful for harmonized definitions of declared uses and facilitate mutual recognition



- Close to finalization Treatment categories + Revision PP 1/248
- Cooperation with European Commission (PPPAMS) on-going

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Zonal Assessment https://www.eppo.int/ACTIVITIES/plant_protection_products/zonal_assessments

Organisation Europ	terranean Plant Protection Organization éenne et Méditerranéenne pour la Protection des Plantes	Enter your search	Q
COPPO	HOME ABOUT EPPO ~ MEETINGS ~ ACTIVITIES ~ RESOURCE	ES ~ MEMBERS ONLY ~	
	ce on comparable climates		
	rable climates on global level es of zonal data production and evaluation		
The lastest versions of the	e above standards can be accessed from the EPPO database on PP1 Standards 🗹		
🝠 Examples o	of zonal efficacy evaluations		
Important note: These They provide specific ex and the intended use. E	of zonal efficacy evaluations documents are intended to assist applicants and evaluators to interpret EPPO Stand amples of the data required to support intended uses. It should be noted that the n xpert judgement should be applied in all cases. These examples are 'working docu added when they are completed. The approval body for these documents is the EPPO	number and distribution of tri iments' meaning that they ma	als will vary depending on the zone ay be modified over time, and that
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Zonal Assessment

Examples of zonal efficacy evaluations

to assist applicants and evaluators to interpret EPPO Standard PP1/278 *Principles of zonal data production and evaluation*



https://www.eppo.int/ACTIVITIES/plant_protection_products/zonal_assessments

NEW : Methodologies to address the succeeding crops data requirements for co-formulated plant protection products



Harmonized dose expression of PPP in high growing crops

- Follow up of the Workshop on harmonized dose expression for the zonal evaluation of PPP in high growing crops (Vienna, 2016-10-18/20) and EWGs
- Published on EPPO Website:
- Glossary of Terms for Dose Expression for PPP in high growing crops
- Standard Measurement Procedure in high growing crop trials



Revision of EPPO Standard PP 1/239 Dose expression for plant protection products in 2020?

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Programme of activity of the Working Party on PPP

- Discussion on EPPO Strategy for 2021-2025:
- ✓ What are the priorities?
- ✓ Criteria for prioritization?
- ✓ Need for new arrangements for the efficacy evaluation Panels?
- \checkmark More formal processes to streamline the work? e.g. ToRs for EWG
- ✓ Panel work programmes, horizontal revisions?
- Making connections between Phytosanitary Regulations and Plant Protection Products





Future Panel meetings

- Panel on Efficacy Eval. of Fungicides Insecticides 2019-11-26/25, Braunschweig (DE)
- Panel on Efficacy Eval. of Herbicides and PGRs 2020-03-17/19, venue TBC
- Panel on Harmonization of Data on PPP 2020-03-03/04, Brussels TBC
- Panel on General Standards 2020-03-12/13, Paris
- Panel on Resistance to PPPs 2020-09-16/18, Paris



Expert Working Groups

- EWG on Dose Expression Teleconference
- EWG on Plant Elicitors Teleconference
- EWG on Extrapolation tables ?

Working Party on PPP

WP PPP 2020-06-15/17, Portugal

Future EPPO Workshops

The EPPO Workshop on digital technologies for PPP efficacy data generation, 2020-10-24/25 venue TBC

Ms Hall (ECPA), Mr Kudsk (DK), Ms Jilesen (NL), Ms Papamichail (GR) in the Organizing Committee. November 2019 the second teleconference



Any other topic for future EPPO workshops? Are there any needs from non-EU EPPO countries?







EPPO Secretariat human resourcing issues in 2019

- Retirement of Martin Ward and Nico Horn Senior Officer Plant Health, Netherlands Food and Consumer Product Safety Authority (NVWA) elected new Director-General of EPPO - started 1st of January 2019 for 5 years
- Retirement of lead Scientific Officer Vlasta Zlof in January 2019 after long term sick leave, after > 20 years with EPPO
- During the sick leave some capacity issues; Assistance from national experts + consultancy with Sue Mattocks from CRD UK
- New recruitment: Ewa Matyjaszczyk as Scientific Officer started on 1st September 2019



NEW EPPO Website



EPPO activities on plant protection products

The functions set out in the EPPO Convention include advising member governments on the measures necessary to register or authorize plant protection products, and to control their marketing and use on their territories, in compliance with the principles of good plant protection practice as well as, whenever possible, the principles of integrated control. In order to achieve this goal, a large number of EPPO Standards have been developed, mainly in the area of efficacy evaluation of plant protection products which is one of the key elements when establishing registration dossiers. It should be noted that other key elements of registration (i.e. toxicology and residues) are not part of EPPO's work but are addressed by other international bodies.

EPPO Standards on plant protection products are intended to be used by member governments, in their capacity



















Thank you !