

**Extrapolation table for effectiveness of insecticides  
Pests on Solanaceae**

09-15092

1	2	3	4	5	6
Pest species	Pest group	Indicator crops	Extrapolation to other crops	Data from other crops (or crop groups) that enables reduced data on the indicator crops (or no data*)	Data on indicator crops that permits extrapolation to other crops (or crop groups) with reduced data (or no data*)
<i>Aphis fabae</i> APHIFA	Aphids	Tomato LYPES		Potato SOLTU, bean PHSVX, garden carrot DAUCS, beta beet BEAVX, field bean VICFM	Faba bean VICFX, field bean VICFM, ornamental crops, garden bean PHSVX, tobacco NIOTA
<i>Aphis gossypii</i> APHIGO		Tomato LYPES	Eggplant SOLME, sweet pepper CPSAN	All cucurbit crops 1CUCF, strawberry FRASS, lettuce LACSS, cotton GOSSS	Zucchini CUUPG, mallow MALSS, china rose HIBRS, other ornamental crops, citrus 1CIDG
<i>Macrosiphum euphorbiae</i> MACSEU		Tomato LYPES	Eggplant SOLME, sweet pepper CPSAN	Potato SOLTU, beta beet BEAVX, cabbage BRSOX, cucumber CUMSC, lettuce LACSS	Chicory CICIN, ornamental crops: floral crops (chrysanthemum CHYIN, dahlia DAHSS, carnation DINSS, etc.)
<i>Myzus persicae</i> MYZUPE		Tomato LYPES	Eggplant SOLME, sweet pepper CPSAN	Melon CUMME, potato SOLTU, cabbage BRSOX, rape BRSNM, lettuce LACSS, beets BEASS	Zucchini CUUPG, chicory CICIN, spinach SPQOL, citrus 1CIDG
<i>Aculops lycopersici</i> VASALY		Tomato LYPES	Eggplant SOLME	Potato SOLTU	

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<i>Polyphagotarsonemus latus</i> HEMTLA	Bud and rust mites	Tomato LYPES	Eggplant SOLME		Common ivy HEEHE
<i>Tetranychus sp.</i> TETRSP <i>Tetranychus evansi</i> TETREV <i>Tetranychus urticae</i> <sup>A</sup> TETRUR		Tomato LYPES	Sweet pepper CPSAN, eggplant SOLME,	Potato SOLTU, garden bean PHSVX, cucumber CUMSA	Cotton GOSSS, relevant seed crops, ornamentals, tobacco NIOTA
<i>Leptinotarsa decemlineata</i> LPTNDE	Colorado beetle	Tomato LYPES	Eggplant SOLME	Potato SOLTU	

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<i>Ostrinia nubilalis</i> PYRUNU	European corn borer	Eggplant SOLME or maize ZEAMX	Sweet pepper CPSAN	Fabaceae 1LEGF	Hop HUMLU, raspberry RUBID, gladiolus GLASS
<i>Psylliodes spp.</i> PSYISP	Flea beetles	Tomato LYPES,		potato SOLTU, oilseed rape BRSNN, other brassicas BRSSS	Oilseed rape, tobacco, other brassicas* BRSSS, tobacco NIOTA
<i>Phthorimaea operculella</i> PHTOOP	Leaf miners	Tomato LYPES	Eggplant SOLME	Potato SOLTU	Tobacco NIOTA
<i>Metcalfa pruinosa</i> METFPR	Leafhoppers	Tomato LYPES	Eggplant SOLME, sweet pepper CPSAN	Potato SOLTU	Trees and bushes: magnolia MAGSS, olive OLVSS
<i>Cyrtopeltis tenuis</i> CYROTE or <i>Nezara viridula</i> NEZAVI	Plant bugs	Tomato LYPES	Sweet pepper CPSAN, eggplant SOLME	Potato SOLTU, cucumber CUMSC	

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<i>Liriomyza</i> spp. LIRISP	Stem and leaf miner flies	Tomato LYPES	Sweet pepper CPSAN, chilli pepper CPSFR, eggplant SOLME	Cucumber CUMSC, lettuce LACSS, cabbage BRSOX, potato SOLTU, rape BRSNN, garden bean PHSVX, melon CUMME, onion ALLSS, leek ALLPO,	Chicory CICIN, celery APUGV, ornamental crops (chrysanthemum CHYIN), gerbera GEBSS, beta beet BEAVX, pea PIBSS
Thrips sp. THRISP: <i>Thrips tabaci</i> THRITB <i>Thrips palmi</i> THRIPL, <i>Frankliniella occidentalis</i> <sup>B</sup> FRANOC	Thrips	Tomato LYPES, sweet pepper CPSAN	Sweet pepper CPSAN, eggplant SOLME	Leek ALLPO, potato SOLTU, onion ALLSS, cabbage BRSOX, beta beet BEAVX, peach PRNPS, ornamentals, garden bean PHSSVX, lettuce LACSS, strawberry FRASS	Lucerne MEDSA, tobacco NIOTA, ornamental crops: floral crops (chrysanthemum CHYIN, cyclamen CYZSS, carnation DINSS, saintpaulia SNPSS...)

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<i>Helicoverpa armigera</i> HELIAR	Bollworms	Tomato LYPES	Eggplant SOLME, sweet pepper CPSAN	Maize ZEAMX	Cotton GOSSS, tobacco NIOTA, artichoke CYUSC, carnation DINSS, Fabaceae 1LEGF
<i>Autographa gamma</i> PYTOGA, <i>Mamestra oleracea</i> POLIOL	Cutworms	Tomato LYPES	Eggplant SOLME, sweet pepper CPSAN	Potato SOLTU, beta beet BEAVX, cereals YCERE, maize ZEAMX, Brassicaceae 1CRUF, beta beet BEAVX	Flax LIUSS, asparagus ASPSS, Brassicaceae 1CRUF
<i>Bemisia tabaci</i> BEMITA and <i>Trialeurodes vaporariorum</i> TRIAVA	Whiteflies	Tomato LYPES	Eggplant SOLME, sweet pepper CPSAN	All cucurbit crops 1CUCF, garden bean PHSVX, potato SOLTU, sunflower HELSS, ornamentals, cotton, strawberry FRASS, lettuce LACSS	Zucchini CUUPG, tobacco NIOTA, gherkin CUMSG, cotton GOSSS, lettuce LACSS, citrus 1CIDG, ornamental crops (esp. Asteraceae 1COMF , rose ROSSS), seed crops (vegetable plants NNNVV, herbs, floral crops)

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<i>Agriotes</i> spp. AGRISP, <i>Athous</i> spp. ATHOSP	Wireworms	Tomato LYPES		Potato SOLTU, beta beet BEAVX, cereals YCERE (maize ZEAMX), garden carrot DAUCS, onion ALLSS, leek ALLPO, lettuce LACSS, melon CUMME	Hop HUMLU, chicory CICIN, endive CICEN, faba bean VICFX, ornamental plants and trees, herbs
<i>Globodera rostochiensis</i> HETDRO <i>Globodera pallida</i> HETDPA	Nematodes	Tomato LYPES	Eggplant SOLME	Potato SOLTU	
<i>Meloïdogyne</i> spp. MELGSP		Tomato LYPES	Eggplant SOLME	Potato SOLTU, cucumber CUMSC, melon CUMME, garden bean PHSVX, garden carrot DAUCS, lettuce LACSS	Salsify TROSS, endive CICEN, artichoke CYUSC, celery APUGV, beta beet BEAVX, scorzonera SCVHI , herbs (garden parsley PARCR...)

<sup>A</sup> *Tetranychus urticae* is generally not relevant to the southern EPPO countries

<sup>B</sup> This species is generally more relevant to protected crops

Notes:

- a) This table should be used in conjunction with the EPPO Standard PP 1/257 Efficacy and crop safety extrapolations for minor uses. The scope for extrapolation may be extended as data and experience with a certain plant protection products increases.
- b) Note that it is commonly preferable to have data on several of the crops within the crop group, but data on the indicator crop should be available.
- c) Where use against a pest group is sought (e.g. aphids) the named pests for which data should be provided are underlined in the 'pest species' column. The list of species is not exhaustive. Companies may choose to only generate data for an individual or a range of named species if a claim for a pest group is not required. Companies may identify pests within a group where efficacy has not been demonstrated. There is scope to extrapolate between the different pest groups, particularly those with closely related feeding behaviours.

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- d) Column 5 identifies whether data from other crops against the same pest may enable a reduction in the amount of data required on the indicator crop (or no data on the indicator crop if the other crop is marked with an asterisk (\*)). If this column is blank, the use of data from other crops is not possible/relevant.
- e) Where extrapolation to other crops or crop groups is acceptable, then this is indicated in column 6. In column 6 crops marked with an asterisk (\*) indicate that no data are required if appropriate data on the indicator crop is present.
- f) All reference to peaches is also inclusive of nectarines.
- g) For pests that are not host specific it may be possible to extrapolate from or to a wider range of relevant crops.