

## GENERIC EXTRAPOLATION TABLE for EFFECTIVENESS of INSECTICIDES

### ► SOIL INSECTS

#### INTRODUCTION

The table provides detailed lists of acceptable extrapolations, for regulatory authorities and applicants, in the context of the registration of plant protection products for minor uses. The table should be used in conjunction with the EPPO Standard PP1/257(1) - *Efficacy and crop safety extrapolations for minor uses*. It is important to ensure that expert judgment and regulatory experience are employed when using these tables. EPPO excludes liability as to the reliability of the information provided through these tables.

The scope for extrapolation may be extended as data and experience with a certain plant protection product increases. The applicant should always provide appropriate justification and information to support the proposed extrapolation. For example, comparability of target biology may be a relevant factor, either in extrapolating to other target species or for the same target onto another crop. For crops, factors such as comparable growth habit, structure etc. should be considered.

#### TABLE FORMAT

The main pest species are listed in Column 1 (although this is not exhaustive), and the pest group to which they belong is specified in Column 2. Companies may choose if they wish to provide data only for individual named species, which would then appear individually listed on the label. But underlined species have been identified as key major targets and as such it is advisable to generate data on these. Furthermore, data on these species then allow a claim to be made for the whole pest group (as specified in Column 2), if required. If a claim for the whole pest group is required but there is no underlined species, then data must be generated on all listed species.

Column 3 indicates the key indicator crop(s). In some instances this may be only one specified crop. In other cases, when separated by an 'or', the company may choose from a range of alternatives within the group. Data generated on crops in Column 3 may be used to extrapolate to all crops listed in Column 4.

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SOIL INSECTS		Crops	
1 Pest species	2 Pest group name	3 Indicator crops	4 Extrapolation to other crop groups
<i>Otiorhynchus sp.</i> OTIOSP <i>Otiorhynchus sulcatus</i> OTIOSU, <i>Phyllobius pomaceus</i> PLLBPM, and other species	Weevils (larvae)	Strawberry FRASS or Cyclamen CYZSS	Ornamentals including tree nursery plants, Grape VITSS, Peach PRNPS
	Weevils (adults)		
<i>Agriotes spp.</i> AGRISP, (A. <i>sputator</i> AGRISU, A. <i>lineatus</i> AGRILI, A. <i>obscurus</i> AGRIOB, A. <i>rufipalpis</i> AGRIRU, A. <i>litigiosus</i> AGRILT) <i>Athous spp.</i> ATHOSP, and other species	Wireworms	Any relevant crop	Any relevant crop
<i>Agrotis sp.</i> AGROSP (A. <i>ippsilon</i> AGROYA, A. <i>segetum</i> AGROSE), <i>Euxoa nigricans</i> EUXONI, <i>Noctua pronuba</i> NOCTPR	Cutworms	Any relevant crop	Any relevant crop
<i>Tipula spp.</i> TIPUSP (T. <i>paludosa</i> TIPUPA, T. <i>Oleracera</i> TIPUOL)	Leatherjackets	Carrot DAUCA or Lettuce LACSS or Pasture or amenity grassland	Any relevant crop
<i>Melolontha sp.</i> (=Melolonthidae) MELOSP	White grubs	Orchards or vineyards or wood ornamental (in nursery)	Any crop with a deep root system

		Amenity grassland or strawberry FRASS or potato SOLTU or Garden beet BEAVL	Any crop with a superficial root system
<i>Melolontha sp.</i> (= <i>Melolonthidae</i> ) MELOSP	White grubs	Orchards or vineyards or wood ornamental (in nursery)	Any crop with a deep root system
		Amenity grassland or strawberry FRASS or potato SOLTU or Garden beet BEAVL	Any crop with a superficial root system
<i>Blaniulus guttulatus</i> , BLANGU, <i>Scutigerella sp.</i> SCUTSP, <i>S. immaculata</i> SCUTIM	Myriapods (milipedes, centipedes)	Potatoes SOLTU or Sugar beet BEAVA	Any relevant crop (seedlings)
<i>Bradysia paupera</i> BRAIPA, <i>Bradysia sp.</i> BRAISP	Sciarid flies	Ornamentals	Vegetables crops, other ornamentals, and herbs in protected conditions
<i>Gryllotalpa gryllotalpa</i> GRYTGR	Mole cricket	Orchards or Grapes VITVI	Woody ornamentals

Note: As a general recommendation, for seed treatment, data package proposed for extrapolation should take into consideration the amount of active per single seed. In case of spot application or row application the amount of active per unit area should be taken into consideration.