



Special Solutions. For Specialty Markets

Preferal™

Microbial Insecticide

Paecilomyces fumosoroseus
Apoka 97

Preferal is a naturally occurring fungus that infects many pests including whiteflies, aphids, thrips, spider mites, psyllids, leafminers, mealybugs, root weevils, thrips pupae, and rootworms.



There is little to no impact on beneficial organisms as shown in the table to the right.

Toxicity on bumblebees	
A	close hive before application
B	close and remove the hive before application
C	not compatible

Class	Toxicity	Mortality
1	Non-toxic	<25%
2	Slightly toxic	25 - 50%
3	Mod. toxic	50 - 75%
4	Toxic	>75%

For more information about Preferal Microbial Insecticide, contact your SePRO Technical Specialist or call **800-419-7779**. Visit www.sepro.com



Beneficial Organism		Toxicity
<i>Bombus</i> spp.	Colony	A
	Persist	-
<i>Amblyseius californicus</i>	Nymph/Adult	1
	Persist	-
<i>Amblyseius cucumeris</i>	Nymph/Adult	1
	Persist	-
<i>Amblyseius degenerans</i>	Nymph/Adult	1
	Persist	-
<i>Amblyseius swirskii</i>	Nymph/Adult	1
	Persist	-
<i>Anthocoris nemoralis</i>	Nymph	1
	Adult	1
	Persist	-
<i>Encarsia Formosa</i>	Larva	1
	Adult	1
	Persist	-
<i>Eretmocerus</i> spp.	Larva	1
	Adult	1
	Persist	-
<i>Trichogramma</i> spp.	Larva	1
	Adult	1
	Persist	-
<i>Nematodes</i>	Nematode	1
	Persist	2w
<i>Phytoseiulus persimillis</i>	Nymph/Adult	1
	Persist	-
<i>Orius</i> spp.	Nymph	1
	Adult	1
	Persist	-
<i>Dacnusa sibirica</i>	Nymph	1
	Adult	1
	Persist	-
<i>Diglyphus isaea</i>	Larva	1
	Adult	1
	Persist	-
<i>Hypoaspis</i> spp.	Nymph/Adult	1
	Persist	-
<i>Aphidoletes aphidimyza</i>	Larva	1
	Adult	1
	Persist	-
<i>Feltiella acarisuga</i>	Larva	1
	Adult	1
	Persist	-
<i>Chrysopa carnea</i>	Larva	1
	Adult	1
	Persist	-
<i>Macrolophus caliginosus</i>	Nymph	1
	Adult	1
	Persist	-
<i>Aphidius</i> spp.	Larva	1
	Adult	1
	Persist	-
<i>Coleoptera</i>	Larva	1
	Adult	1
	Persist	-