



BioDiglyphus (*Diglyphus isaea*) Chemical List

Unlimited use in I.P.M	Harmless < 25% reduction	1
Consultation	Slightly harmful 25% - 60%	2
Consultation	Moderately harmful - 60% - 98%	3
Forbidden for use in I.P.M	Harmful - 98% - 100% reduction	4

TARGETED PEST: SPIDER MITES						
Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Abamectin 18% EC	Adult	0.05	4			
Abamectin 18% EC	larva	0.05	2			
Bacillus(Russia)	Adult / Nymph	0.8	1			
Bifenazate 240g/l SC	Adult / Nymph	0.05 - 0.1	1			
Clofentezine 50g/l SC	Adult / Nymph	0.04	1			
Emamectin Benzoate 19.2 EC	Adult/Nymph	0.04 - 0.05	4	2	3	
Fenbutatin Oxide 550g/l SC	Adult/Egg/Nymph	0.1 - 0.15	1			

TARGETED PEST: THRIPS						
Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Acrinathrin 75g/l EW	Adult/nymph	0.06 - 0.08	4		28	
Acrinathrin 75g/l EW	larva	0.06 - 0.08	3			
Spinosad 120 - 480g/l SC	Adult	0.04 - 0.08	4	4	21	
Spinosad 120 - 480g/l SC	Larva	0.04 - 0.09	3		14	

TARGETED PEST: WHITE FLY

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Azadirachtin 45g/l EC	Adult	0.1	1			
Buprofezin 250g/l SC	Adult	0.1 - 0.15	2			
Buprofezin 250g/l SC	larva	0.1 - 0.15	2			
Diafenthiuron 500g/l SL	Adult	0.25	1			
11.7% Phosphoric Acid	Adult	0.6	1			
Thiacloprid 480g/l SC	Adult	0.04	3			
Thiacloprid 480g/l SC	Larva	0.04	2			
Thiocyclam hydrogen oxalate	Adult/nymph	0.07 - 0.1	4		7	

TARGETED PEST: APHIDS

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Carbosulfan 480g/l EC	Adult	0.25	4		28	
Chlorpyrifus	Adult	0.25	4			
Dimethoate 400g/l EC	Adult	0.1	Hvs - 3	Dr - 1		
Dimethoate 400g/l EC	Larva	0.1	4			
Malathion 25% WP	Adult	0.05 - 0.1	4		7	
Malathion 25% WP	Larva	0.05 - 0.2	3		7	
Methomil 90%	Adult/nymph	0.1	4		21	
Pirimicarb 50% GR	Adult/nymph	0.05	3	1		
Pymetrozine 50% WG	Adult/nymph	0.03 - 0.04	1			

TARGETED PEST: LEAFMINERS

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Cyromazine 75% Wp	Adult/nymph	0.025 - 0.5	1			
Cyromazine 75% Wp	Adult/nymph	0.025 - 0.5	1			

TARGETED PEST: CATERPILLARS

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Bifenthrin 100g/l Ec	Adult/nymph	0.075	4		28	
Cypermethrin 100g/l Ec	Adult/nymph	0.05 - 0.1	4		42	
Deltamethrin 25g/l Ec	Adult	0.05 - 0.1	4		35	
Indoxacarb 150g/l Ec	Adult/nymph	0.03 - 0.04	2	1		
Lambda Cyhalothrin 50g/l Ec	Adult/nymph	0.1	4			
Lambda Cyhalothrin 50g/l	Adult	0.25	4	4		
Lufenuron 50g/l Ec	Adult	0.04 - 0.05	3			
Lufenuron 50g/l Ec	larva	0.04 - 0.06	2			
Methoxyfenozide 240 g/l	Adult/nymph	0.05 - 0.1	1			
Tau-Fluvalinate G/L EW	Adult	0.05	4	4		

TARGET: PHYTOPHTHORA - D. MILDOW

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Fosethyl Aluminium 80%	Adult	0.2	1			
Mancozeb 75 - 80%	Adult	0.25	1			
Mancozeb 75 - 80%	Larva	0.25	2			

TARGET: POWDERY MILDEW

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Bupirimate	Adult	0.1	2			
Bupirimate	Larva	0.1	1			
Carbendazim 50%	Adult	0.04 - 0.08	1			
Sulfur 825g	Adult/nymph	0.8	1			
Sulfur DF 700	Adult	1	1			
Sulfur DP 900	Adult	1	1			

Disclaimer

1. As part of its many years of operation, BioBee Sde Eliyahu Ltd. (the “**Company**”) has examined and continues to examine the effect of pesticides marketed in Israel (both conventional and organic) on the Company’s natural enemy arthropod products and/or bumblebee pollinators (the “**Beneficials**”). As a result, the Company holds information that includes lists of dozens of types of pesticides, by their active ingredients and their potential effect on various Beneficials, assuming no other pesticides were combined with the specific tested pesticides and no change was made to the composition of the ingredients, including the formulation concerning the pesticides listed on the date and in the territory that such pesticides were tested (the “**Information**”).
2. For the avoidance of any doubt, it is hereby clarified that the Information provided to the grower is purely an informative tool, aiming to assist the grower in combining the Beneficials with pesticides. It does not constitute a consultation or a warranty regarding the use of pesticides, their effect on the Beneficials and/or the pests.
3. In addition, it is hereby clarified that although the Company operates to update and strives to ensure that its lists are up to date, **it is possible that the composition of the ingredients, including the formulation of a particular pesticide, has been changed and/or updated without the Company’s knowledge. Furthermore, there might be changes in the composition of the ingredients of a particular pesticide, including its formulation, in different territories.** Therefore, it is further emphasized, that the grower shall be exclusively responsible and liable for any use of pesticides. This includes but not limited to, ensuring adherence to the manufacturer’s instructions as indicated on the pesticide labels (dosage, volume, etc.), ensuring that the person using the pesticides is qualified and has undergone adequate training, verifying that the pesticide is authorized for the local market and/or for export, verifying the period of time allowed to use a pesticide in the field before harvesting (harvest interval) and the period of time allowed before re-entry to the field after using the pesticide (re-entry period), etc.
4. The Company shall not bear any responsibility or liability whatsoever, for any use of the pesticide by the grower, and shall not be liable in any event for any damage of any kind, whether direct, indirect, consequential or incidental resulting from the grower’s use of the pesticides, whether the pesticide was indicated in the Company’s lists or not. The use of the Information is the sole responsibility of the grower. The Company does not recommend specific pesticide for use and explicitly states that the Information provided should not be considered as conclusive or binding in any manner.