



## BioPersi+ (*Phytoseiulus persimilis*) 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	3	1		
Abamectin 18% EC	Adult	0.1	3	1		
Acynonapyr 20%	Adult	0.05	1			
Acynonapyr 20% + Neem oil	Adult	0.05 + 1%	1			
Acynonapyr 20% + Neem oil	Adult	0.2 + 1%	3			
Acynonapyr 20% + Neem oil	Adult	0.2 + 0.5%	1			
Bifenazate 240g/l SC	Adult	0.15	1			
Bifenazate 240 g/l + Neem oil	Adult	0.15 + 1%	3			
Bifenazate 240 g/l + Neem oil	Adult	0.15 + 0.5	1			
Bifenazate 240g/l + Cyflumetofen+neem oil	Adult	0.12 + 0.1 = 1%	1			
Bifenazate 240 g/l + Plant oil	Adult	0.15 + 2%	2			
Cyflumetofen + neem oil 66%	Adult	0.05 + 0.1	1			
Etoxazole 110g/l SC	Adult / Nymph	0.025 - 0.03	1			
Etoxazole 110g/l SC	Adult / Nymph	0.03 - 0.05	1			
Fenpyroximate 5% SC	Adult/Nymph	0.1	4	1		
Fenazaquin 200g/l SC	Adult/Nymph	0.1	4		14	

Oil	Adult	3%	2			
Potassium Salts of fatty acids 480	adult	1%	3	1		
Potassium Salts of fatty acids 481	adult	0.50%	1			
Plant oil 82% + SLS	Adult	1%	1			
Spirodiclofen 240g/l SC	Adult / Nymph	0.04	1			
Spirotetramat 100g/l SC	Adult/ nymph	0.04 - 0.1	2	2	7	
Spirotetramat 100g/l	Adult	0.1	2			Fertility Impact
Spirotetramat 100g/l	Adult	0.1	2			Fertility Impact
Spiromesifen 240g/l SC	Adult/Eggs	0.06 - 0.1	4		14	
Silicon	Adult/nymph	0.15	4	1		
Silicon	Eggs	0.15	1			
Tau - Fluvalinate 240g/l Ec	Adult/nymph	0.05	3			
TAU- Fluvalinate 240g/l EW	Adult	0.1	2			

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	2		
Bifenthrin 100g/l Ec	Adult/nymph	0.08	4	4		
Chlorfenapyr 240g/l SC	Adult/Nymph	0.05 - 0.06	4	3	7	
Cyantraniliprole 100g/l + Fluopiram + Tebuconazole	Adult	0.075 + 0.04	1			
Cyantraniliprole 100g/l + neem oil	Adult	0.075 + 1%	1			
Spinetoram 120g/l SC	Adult/nymph	0.04	1			
Spinetoram 120g/l SC	Adult/nymph	0.08	1			
Spinosad 120 - 480g/l SC	Adult/nymph	0.04 - 0.08	3	1		
Tolfenpyrad 15% EC	Adult/nymph	0.1	4	1		

## TARGETED PEST: WHITE FLY

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Acetamiprid 200g/l SL	Adult/nymph	0.04 - 0.06	1			
Acetamiprid 218 g/l + Emamectin benzoate 37 g/l	Adult	0.03	3	1		
Cyantraniliprole 100g/l	Adult/nymph	0.2	4	1		
Cyantraniliprole 100g/l	Adult	0.075	1			
Cyantraniliprole 100g/l + neem oil	Adult	0.075 + 1%	1			
Cyantraniliprole 100 g/l + Acibenzolar - s methyl 125g	Adult	8%	1			
Dinotefuran	Adult/nymph	0.1	1			
Flupyradifurone 200 S/L	Adult	0.08	2	1		
Imidacloprid 430 + Lambda cyalo	Adult	0.08	2	2		
Potassium of fatty acid + Citrola	Adult	0.06	1			
Pyrifluquinazon 20% SC	Adult	0.03	1			
Sucru-glycerds 80%	Adult	1	1			
Thiacloprid 240g/l OD	Adult	0.04	1			
Thiacloprid 240g/l OD	Adult	0.08	1			
Thiacloprid 480g/l SC	Adult/nymph	0.04	1			
Thiacloprid 480g/l SC	Adult/nymph	0.08	1			

## TARGETED PEST: APHIDS

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Afidopyriopen DC 100g/l	Adult	0.1	1			
Beauveria bassiana GHN 11.3%	Adult	0.2	1			
Flupyradifurone 200 S/L	Adult	0.08	2	1		
Fonicamid 50% SG + B.B.5	Adult/nymph	0.0015 - 0.02 + 0.2	1			
Neem oil + Pyrethrum natural	Adult/nymph	0.06	2			

Neem oil + Pyrethrum natural	Adult/nymph	0.08	2			
Sulfoxaflor(Isoclast)	Adult/nymph	0.03	1	1		
Thiacloprid 240g/l OD	Adult	0.08	1			

### TARGETED PEST: CATERPILLARS

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Abamectin 18 G/L + Chloranraniliprole 45 G/L	Adult	0.1	3	1		
Chlorantraniliprole + Lambda cyhalothrin	Adult/nymph	0.02	2	1		
Cyfluthrin 50g/l	Adult/nymph	0.1 - 0.15	2			
Deltamethrin 25g/l Ec	Adult/nymph	0.05 - 0.1	1			
Lambda Cyhalothrin 50g/l	Adult	0.25	2	1		
Spinetoram + Methoxyfenozide	Adult	0.05	1			
Tau-Fluvalinate 240 g/l WE	Adult	0.1	1			
Tau-Fluvalinate 240 g/l WE	Adult	0.2	2			

### TARGET: MEALYBUGS

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Sulfoxaflor(Isoclast)	Adult	0.03	1			

### TARGET: PHYTOPHTHORA - D. MILDOW

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Chlorothalonil400 g/l + Dimethomorph 80 g/l	Adult	0.25	1			

Chlorothalonil 720 g/l	Adult	0.35	1		
Chlorothalonil 720g/l	Adult/nymph	0.15 - 0.35	1		
Copper Sulfate Pentahydrate 21.6%	Adult	0.25	1		
Cyprodinil+fludioxonil + Folpet 80% + Ascophylum nodosum	Adult	0.2 + 0.25 + 0.1	1		
Cymoxanil 50% +Metalaxyl-Mefenoxam SL +Penconazole	Adult/nymph	0.1 + 0.025 +0.06	3		
Cymoxanil 50% + Metalaxyl-Mefenoxam SL + Cyprodinil + Fludioxonil	Adult/nymph	0.1 + 0.025 + 0.06	1		
Cymoxanil 50% + Potassium Phosphite 780 g/l + Metalaxyl - Mefenoxam SL	Adult/nymph	0.1 + 0.35 + 0.25	4	2	
Dimethomorph 50% + Potassium Phosphite 780 g/l + Metalaxyl - Mefenoxam-S.L	Adult/nymph	0.05 + 0.35 + 0.25	4	2	
Dimethomorph 50% + Potassium Phosphite 780 g/l + Fluopyram+ Pyrimethanil	Adult/nymph	0.05 + 0.1 + 0.12	2		
Dimethomorph 50% + Metalaxyl - Mefenoxam SL + Fluopyram+Tebuconazole	Adult/nymph	0.05+	2		
Famoxadone 300 g/l + Oxathiapiprolin 30 g/l	Adult	0.1	1		
Fosetyl Aluminium 50% - Folpet 25%	Adult	0.3	1		
Fluopyram + Tebuconazole + Cyantraniliprole 100g/l	Adult	0.04 + 0.075	1		
Fluopyram 250+Pyridylethylamid250	Adult	0.032	1		
Metalaxyl _ Mefenoxam SL	Adult/nymph	0.025	1		
Oxathiapiprolin 30 g/l + Benthiavalicarb - Isopropyl 70g/l	Adult	0.05	1		

TARGET: POWDERY MILDEW						
Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Bupirimate 116 g/l + Tebuconazole 47 g/l	Adult	0.1	1			
Extract of Reynoutria Sachalinesis	Adult	0.5	1			
Pyriofenone 300 S.C	Adult	0.05	2			

TARGET: BOTRYTIS CINEREA						
Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Fenpyrazamine 50%	Adult/nymph	0.2	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.