



BioPersimilis (*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

TARGET: 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	2	3	
Abamectin 84 g/l	Adult	0.02	3	1		
Abamectin 18% EC	Adult	0.1	4	4	14	
Abamectin 18% EC	Nymph	0.05	3	2	3	
Abamectin 18% EC	Egg	0.05	1			
Abamectin 18% EC	Adult/Nymph	0.1 - 0.2	4		14	
Acequinocyl 150g/l SC	Adult / Nymph	0.2 - 0.25	1			
Acequinocyl	Eggs	0.2 - 0.25	1			
Amitraz 200 g/l EC	Adult/ nymph	0.2	4		14	
Azocyclotin 25% WP	Adult/Nymph	0.05	2	1		
Beauveria bossiana S.A	Adult	0.1	1			
Bifenazate 240g/l SC	Adult / Nymph	0.05 - 0.1	1			
Bifenazate 250 g/l OD	Adult	0.05	1			
Bifenazate 240 + Etoxazol 45 g/l	Adult	0.05 - 0.1	1			
Bromopropylate 250g/l	Adult/ nymph	0.2	4		7	
Chlorfenapyr 240g/l SC	Adult/Nymph	0.05 - 0.06	4	3	7	
Clofentezine 50g/l SC	Adult / Nymph	0.04	1			

Clofentezine	Egg	0.04	1			
Cyflumetofen 215g/l SC	Adult/ nymph	0.1	1			
Cyflumetofen	Eggs	0.1	1			
Cyflumetofen + neem oil 66%	Adult	0.05 + 0.1	1			
Cyhexatin 600g/l SC	Adult/Nymph	0.05 - 0.1	2	1		
Dicofol	Adult/Nymph	0.2	3	1		
Diafenthiuron	Adult/ nymph	0.25	4		7	
Diafenthiuron 250g/l SC	Adult/ nymph	0.25	4			
Emamectin Benzoate 19.2 EC	Adult/Nymph	0.04 - 0.05	4	2	1 - 3	
Etoxazole 110g/l SC	Adult / Nymph	0.025 - 0.04	1			
Etoxazole 110g/l SC	Adult / Nymph	0.025 - 0.03	1			
Fatty acid 30% + Potassium 50%	Adult	0.5 - 0.1	1			
Fenbutatin Oxide 550g/l SC	Adult / Nymph	0.025	1			
Fenbutatin Oxide 550g/l SC	Adult/Egg/Nymph	0.1 - 0.15	1			
Fenazaquin 200g/l SC	Adult/Nymph	0.1	4		14	
Fenpropathrin 100g/l EC	Adult/nymph	0.2	1			
Fenpyroximate 5% SC	Adult/Nymph	0.1	4	1		
Hexythiazox	Adult/Egg/Nymph	0.04 - 0.05	1			
Metarhizium Fungus	Adult/Nymph	0.04	1			
Metarhizium Fungus	Adult/Nymph	0.04	1			
Metarhizium Fungus	Adult/Nymph	0.04	1			
Milbemectin 9.3g/l EC	Adult/Nymph	0.1	4	2	3	
Milbemectin 9.3g/l EC	Adult	0.1	4	2	1	
Mineral Oil	Adult / Nymph	1%	1			
Neem oil 66% + Citronella	Adult	1	1			
Neem oil 66% + Citronella	Adult/ nymph	1	1			
Neem oil	Adult/ nymph	1	1			
Neem oil 97% OL	Adult/Nymph	1%	1			
Plant oil 82% + SLS	Adult	1%	1			
Plant oil	Adult	0.6	1			
Plant oil (S. Africa)	Adult / Nymph	0.6	1			
Plant oil	Adult/Nymph	3%	1			
Plant extract	Adult	0.5	1			
Propargite 570g/l EC	Adult/Nymph	0.1	4	1	3	

Pyrimidifen 100g/l SC	Adult/Nymph	0.5	2	1		
Pyridaben 200g/l EC	Adult/Nymph	0.1	4		14	
Spirotetramat 100g/l SC	Adult/ nymph	0.04 - 0.1	2	2	7	ertility Impact
Spirotetramat 100 g/l SC + Trepen of Chenpodium	Adult	0.06 +0.5	4	4	7	ertility Impact
Spiromesifen 240g/l SC	Adult/Eggs	0.06 - 0.1	4		14	ertility Impact
Spirodiclofen 240g/l SC	Adult / Nymph	0.04	1			
Sulfur 800 g/l SC	Adult / Nymph		1			
Tebufenpyrad 20% WP	Adult/Nymph	0.05 - 0.1	4		21	
Tetradifon 80g/l EC	Adult/Egg/Nymph	0.1 - 0.2	1			
Thyme oil 3.5%	Adult	1	1			

TARGET: 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	1			
Bifenthrin 100g/l Ec	Adult/nymph	0.08	2	1		
Bifenthrin 100g/l Ec	Adult/nymph	0.075	1			
Carbosulfan 480g/l	Adult/nymph	0.25	2	Eggs 1	3	
Chlorfenapyr 240g/l SC	Adult/Nymph	0.05 - 0.06	4		7	
Emamectin benzoate + Lufenuron 40%	Adult/nymph	0.01	2	1		
Emamectin Benzoate 19.2g/l	Adult/nymph	0.05- 0.06	4	2	1 - 3	
Etofenprox 300g/l	Adult/nymph	0.2	4		28	
Fenpropathrin 200g/l Ec	Adult/nymph	0.3 - 0.5	1			
Fipronil	Adult/nymph	0.1	4			
Formetanate 50% SP	Adult/nymph	0.1	4		28	
Lufenuron 50g/l Ec	Adult/nymph	0.04 - 0.05	1			
Methiocarb 500g/l Sc	Adult/nymph	0.1	4		14	
Pyridalyl 500g/l Ec	Adult/nymph	0.02 - 0.025	1			
Spinetoram 120g/l SC	Adult/nymph	0.04	3	1		

Spinetoram 120g/l SC	Adult/nymph	0.04	3	1		
Spinosad 120 - 480g/l SC	Adult/nymph	0.04 - 0.08	3	1		
Spinosad RB 20	Adult/nymph	0.1	1			
Terpenes of Chenopodium + Spinosad 120 - 480 g/l SC	Adult/nymph	0.5 + 0.04 - 0.08	4	1		
Thyme oil 3.5%	Adult/nymph	1%	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	2	2		
Acetamiprid 200g/l SL	Adult/nymph	0.04 - 0.06	2	2	5	
Afidopyprorn 100 g/l	Adult	0.1	1			
Azadirachtin 45g/l EC	Adult/nymph	0.1	1			
Azinphos Methyl 200g/l	Adult/nymph	0.2	4		3	
Buprofezin 250g/l SC	Adult/nymph	0.1 - 0.15	1			
Chlorantraniliprole + Thiamethoxam	Adult/nymph	0.015	Dr -1			
Chlorantraniliprole + Thiamethoxam	Adult/nymph	0.03	Hvs -1			
Cyantraniliprole 100g/l	Adult/nymph	0.15	1			
Cyantraniliprole 200g/l	Adult/nymph	0.08	1 Hvs			
Cyantraniliprole 200g/l	Adult/nymph	0.1	Dr -1			
Diafenthiuron 500g/l SL	Adult/nymph	0.25	4		7	
Dinotefuran	Adult/nymph	0.1	1			
Fatty acid 30% + Potassium salt 50%	Adult/nymph	1	1			
Fenpropathrin 100g/l EC	Adult/nymph	0.2	1			
Flupyradifurone 200 S/L	Adult	0.08	2	1		
Imidacloprid	Adult/nymph	0.35	Hvs - 4		14	
Imidacloprid 430 + Lambda cyalo	Adult/nymph	0.35	Dr - 2			
Imidacloprid 430 + Lambda cyalo	Adult	0.08	1			
Imidacloprid	Adult/nymph	0.05	Hvs - 4		14	

Imidacloprid (Confidor)	Adult/nymph	0.05	Dr - 2			
Mineral oil	Adult/nymph	1%	1			
Neem oil (India)	Adult/nymph	1%	2		1	
Pirimifos Methyl	Adult/nymph	0.1	4		21	
Potassium salt of fatty acid 49%	Adult/nymph	0.5	1			
Potaassium of fatty acid 470g	Adult/nymph	0.02	1			
potaassium of fatty acid	Adult/nymph	0.06	2	1		
Potassium of fatty acid + Citrola	Adult	0.06	1			
Pyrethrins + Azadirachtin	Adult/nymph	1	1			
Pyrifluquinazon 20% SC	Adult	0.03	1			
Pyriproxyfen 100g/l EC	Adult/nymph	0.1	1			
Silicon	Adult/nymph	0.15	4	1		
Silicon	Eggs	0.15	1			
Spirotetramat 100g/l SC	Adult/nymph	0.5 - 0.1	2	2	3	
Sulfoxaflor (Isoclast)	Adult/nymph	0.03	1			
Synthetic terpenes of Chenopodium	Adult/nymph	0.5	1			
Thiacloprid 240g/l OD	Adult	0.08	4			
Thiacloprid 480g/l SC	Adult/nymph	0.08	1			
Thiocyclam hydrogene oxalate	Adult/nymph	0.07 - 0.1	4	3	5	
Thyme oil 3.5%	Adult	1	1			

TARGETED PEST: APHIDS

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Afidopyproprn 100 g/l	Adult	0.1	1			
Beauveria bossiana S.A	Adult	0.1	1			
Beauveria bassiana GHN 11.3%	Adult	0.2	1			
Carbosulfan 480g/l EC	Adult/nymph	0.25	2		3	
Carbosulfan	Eggs	0.25	1			
Chlorpyrifus 479g/l EC	Eggs	0.25	1			
Chlorpyrifus	Adult/nymph	0.25	3		7	

Clothinidin 50% WG	Adult/nymph	0.05	4		28
Dichlovos EC	Adult/nymph	0.1	3	1 - 3	
Dichlovos	Eggs	0.1	1		
Dimethoate 400g/l EC	Adult/nymph	0.1	Hvs - 2	Dr - 1	
Dinotefuran 20% SG	Adult/nymph	0.1	1		
Endosulfan 350g/l EC	Adult/nymph	0.25 - 0.35	4		7
Fatty acid 30% + Potassium salt 50%	Adult/nymph	1	1		
Flonicamid 50% SG + B.B.5	Adult/nymph	0.0015 - 0.02 + 0.2	3		
Flonicamid 50% SG	Adult/nymph	0.015 - 0.02	1		
Flupyradifurone 200 S/L	Adult	0.08	2	1	
Halfenprox CS 50	Adult/nymph	0.15	2	2	1 - 3
Imidacloprid 350g/l SC	Adult/nymph	0.05	Hvs - 4		14
Imidacloprid	Adult/nymph	0.05	Dr - 2		
Imidacloprid (Colombia)	Adult/nymph	0.35	Hvs - 4		
Imidacloprid (Colombia)	Adult/nymph	0.35	Dr - 2		
Imidacloprid 430 + Lambda cyalo	Adult	0.08	1		
Lambda Cyhalothrin 50g/l	Adult	0.25	1		
Malathion 25% WP	Adult/nymph	0.05 - 0.1	4		7
Malathion 500g/l EC	Eggs	0.05	2		28
Methamidophos 600g/l SL	Adult/nymph	0.25	4		28
Methidathion 420g/l EC	Adult/nymph	0.25	4		28
Methomil 90%	Adult/nymph	0.1	4		
Neem oil +Pyrethrum natural	Adult/nymph	0.08	1		
Neem oil	Adult/nymph	1%	1		
Oxydemeton - methyl	Adult/nymph	0.1	4		21
Pirimicarb 50% GR	Adult/nymph	0.05 - 0.065	1		
Potassium salt of fatty acid 49%	Adult/nymph	0.5	1		
Pymetrozine 50% WG	Adult/nymph	0.03 - 0.04	1		
Pymetrozine 50% + Neem oil 66%	Adult	0.04 + 1	1		
Pymetrozine 50% + mineral oil	Adult	0.04 + 1%	1		
Pyrifluquinazon 20% SC	Adult	0.03	1		
Sophora japonica EC 1%	Adult/nymph	0.5	1		
Sulfoxaflor (Isoclast)	Adult/nymph	0.03	2	1	

Sulfoxaflor (Isoclast) (Flash)	Adult/nymph	0.03	2	1		
Thiacloprid 240g/l OD	Adult	0.08	4	1		
Thiacloprid 480g/l SC	Adult/nymph	0.04	2	1		
Thiacloprid 480g/l SC (Kalimera SC)	Adult/nymph	0.08	3			
Thiacloprid 480g/l SC (Kalimera SC)	Adult/nymph	0.04	1			
Thiamethoxam 240g/l SC	Adult/nymph	0.02 - 0.06	Hvs - 3	Hvs - 2		
Thiamethoxam	Adult/nymph	0.02 - 0.06	Dr - 1			

TARGETED PEST: LEAFMINERS

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Abamectin	Adult/nymph	0.04 - 0.05	3	2	1 - 3	
Abamectin	Eggs	0.04 - 0.05	1			
Bifenthrin	Adult/nymph	0.05 - 0.1	4			
Cyromazine 75% Wp	Adult/nymph	0.025 - 0.5	1			
Oxamil 240 g/l SL	Adult/nymph	1 liter	1			
Oxamil 240 g/l SL	Adult/nymph	2 liter	4		14	
Spinetoram	Adult/nymph	0.04	3	1		
Spinosad	Adult/nymph	0.04 - 0.08	3	1		

TARGETED PEST: CATERPILLARS

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Acephate	Adult/nymph	0.1	4			
B. Thuringensis	Adult/nymph	0.25 - 0.5	1			
B. Thuringensis	Adult/nymph	0.8 - 1	1			
Beta - cyfluthrin	Adult/nymph	0.1	4			

Chlorfluazuron 50g/l EC	Adult/nymph	0.1	1			
Chlorantraniliprole + Lambda cyhalothrin	Adult/nymph	0.01	1			
Chlorantraniliprole 200g/l Sc	Adult/nymph	0.02 - 0.03	1			
Cyfluthrin 50g/l	Adult/nymph	0.1 - 0.15	1			
Cypermethrin 100g/l Ec	Adult/nymph	0.05 - 0.1	1			
Diazinon 25% Ec + WP	Adult/nymph	0.25 - 0.3	2	Dr - 1	1 - 3	
Deltamethrin 25g/l Ec	Adult/nymph	0.05 - 0.1	1			
Deltamethrin 25g/l Ec	Adult	0.05	1			
Esfenvalerate 50g/l	Adult/nymph	0.1 - 0.15	4			
Fenthion 500g/l	Adult/nymph	0.1	4			
Flubendiamide	Adult/nymph	0.02	1			
Flubendiamide	Adult/nymph	0.02	1			
Flufenoxuron 100g/l SL	Adult/nymph	0.2	1			
Indoxacarb 150g/l Ec	Adult/nymph	0.03 - 0.04	1			
Indoxacarb 150g/l SC	Adult/nymph	0.03 - 0.05	1			
Lambda Cyhalothrin 50g/l Ec	Adult/nymph	0.1	4			
Lambda Cyhalothrin 50 g/l CS	Adult	0.25	1			
Lufenuron 50g/l Ec	Adult/nymph	0.04 - 0.05	1			
Methamidophos	Adult/nymph	0.25 - 0.3	4		28	
Methomyl 90% Sp + SL	Adult/nymph	0.1 - 0.2	4		3	
Methoxyfenozide 240 g/l	Adult/nymph	0.05 - 0.1	1			
Metaflumizone 240 Sc	Adult/nymph	0.1	1			
Novaluron 100g/l Ec	Adult/nymph	0.05 - 0.1	1			
Nuceopolyhedrovirus	larva	0.04	1			
Pyridalyl 500g/l Ec	Adult/nymph	0.1	1			
Pyridalyl 500g/l Ec	Adult/nymph	0.2 - 0.25	1			
Sodium Fluosilicate 15% Gr	Adult/nymph	0.5 - 1K" g	1			
Spinetoram + Methoxyfenozide	Adult	0.05	1			
Spinosad 120- 480g/l SC	Adult/nymph	0.04 - 0.08	3	1		
Tau - Fluvalinate 240g/l Ec	Adult/nymph	0.05	1			
Teflubenzuron 150g/l Sc	Adult/nymph	0.04 - 0.05	1			

Thiamethoxam + Chlorantraniliprole	Adult/nymph	0.03	Dr' - 1			
Triflumuron 25%	Adult/nymph	0.05 - 0.1	1			

TARGETED PEST: NEMATODES

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Abamectin 20g/l +Fe EDDHA	Adult/nymph	4 - 6 L/ H	1			
Cadusafos 200g/l	Adult/nymph	1	1			
Oxamil 100g/l	Adult/nymph	1	1			

TARGET: PHYTOPHTHORA - D. MILDOW

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Copper Oxychloride+Propineb	Adult/nymph	0.3	1			
Copper Hydroxide 53.8%	Adult/nymph	0.05 - 0.2	1			
Copper Hydroxide 77%	Adult/nymph	0.3	1			
Copper Sulphate + Mancozeb	Adult/nymph	0.25	4			Fertility Impact
Chlorothalonil 720g/l	Adult/nymph	0.2 - 0.35	1			
Chlorothalonil 720g/l	Adult/nymph	0.15 - 0.35	1			
Chlorothalonil + Azoxystrobin	Adult/nymph	0.1 - 0.2	1			
Chlorothalonil 500 + Mefenoam	Adult/nymph	0.25	1			
Curprous oxide 57%	Adult/nymph	0.25 -0.5	1			
Cymoxanil	Adult/nymph	0.25	1			
Cymoxanil 60%	Adult/nymph	0.02 - 0.1	1			
Cymoxanil 45%	Adult/nymph	0.06 - 0.1	1			
Dimethomorph + Chlorothalonil	Adult/nymph	0.25	1			
Dimethomorph 500g/l	Adult/nymph	0.04 - 0.05	1			

Dimethomorph + Pyraclostrobin	Adult/nymph	0.2 - 0.3	1			
Dimethomorph 200 g/l + Fluazinam 200 g/l	ADULT	0.1	1			
Dimethomorph + Mancozeb	Adult/nymph	0.2	4		3	Fertility Impact
Dimetomorph 9% + Mancozeb 60	Adult/nymph	0.2 - 0.3	4		3	Fertility Impact
Dimetomorph 9% + Mancozeb 60	Adult/nymph	0.6	4	4		
Folpet	Adult/nymph	0.25	1			
Fosethyl Aluminium 80%	Adult/nymph	0.2	2		2	
Fluopicolide 62 + Propamocarb	Adult/nymph	0.15	1			
Mancozeb 64% + Matalaxyl-M 68	Adult/nymph	0.3	4			Fertility Impact
Mancozeb 50% + Fenamidone 10	Adult/nymph	0.15	4			Fertility Impact
Mancozeb + Benalaxyl	Adult/nymph	0.3	4			Fertility Impact
Mancozeb	Adult/nymph	0.25 - 0.35	4			
Mancozeb	Adult/nymph	0.25	4			Fertility Impact
Mancozeb 75 - 80%	Adult/nymph	0.25	4			Fertility Impact
Mancozeb 57.2% + Cymoxanil 14	Adult/nymph	0.35	4			Fertility Impact
Mancozeb 62% + Famoxadone	Adult/nymph	0.15	4			
Mancozeb 56% + Metalaxl 7.5%	Adult/nymph	0.3	4			Fertility Impact
Mandipropamid 5% + Mancozeb	Adult/nymph	0.2 - 0.25	4			
Mandipropamid 250g/l	Adult/nymph	0.06	1			
Maneb 75%	Adult/nymph	0.25	1			
Manev	Adult/nymph	0.25	1			
Maneb 480 g/l	Adult/nymph	0.25	1			
Metalaxyl-M 480g/l	Adult/nymph	0.04 - 0.08	1			
Metalaxyl-m 2.5% + Copper	Adult/nymph	0.4	1			

Metiram 70%	Adult/nymph	0.25	1			
Potassium Phosphite 500	Adult/nymph	0.35	1			
Potassium Phosphite 500	Adult/nymph	0.35 - 0.45	1			
Propineb 70%	Adult/nymph	0.25	1			
Propineb 70%	Adult/nymph	0.25 - 0.3	1			
Propineb 61% + Iprovalicarb 5.5%	Adult/nymph	0.25 - 0.35	1			
Propamocarb + Fenamidone 75	Adult/nymph	0.2	1			
Propamocarb HCL 722g/l	Adult/nymph	0.2 - 0.3	1			
Tri basic copper sulphate 40%	Adult/nymph	0.25	1			
Zoxamide 8.3% + Mancozeb	Adult/nymph	0.15 - 0.2	4			

TARGET: POWDERY MILDEW						
Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Azoxystrobin 250g/l Sc	Adult/nymph	0.05	1			
Bacillus subtilis	Adult/nymph	0.5 - 1.0	1			
Benomil	Adult	0.05	4	2		Fertility Impact
Boscalid	Adult/nymph	0.08	1			
Bromuconazole	Adult/nymph	0.04 - 0.05	1			
Bupirimate	Adult/nymph	0.1	1			
Carbendazim 50%	Adult	0.04 - 0.08	1			
Copper sulphate + Potassium hydrogen carbonate	Adult/nymph	1%	1			
Chlorothalonil + Azoxystrobin	Adult/nymph	0.15 - 0.2	1			
Cyflufenamid 50g	Adult/nymph	0.02	1			
Cyproconazole 100g	Adult/nymph	0.04 - 0.05	1			
Cyproconazole + Azoxystrobin	Adult/nymph	0.025 - 0.04	1			
Difenoconazole	Adult/nymph	0.015 - 0.02	1			
Fenarimol	Adult/nymph	0.02	1			
Fenbuconazole	Adult/nymph	0.04	1			
Fenbuconazole + Dinocap	Adult/nymph	0.04	1			

Fluopiram + Tebuconazole	Adult/nymph	0.03	1		
Fluopiram	Adult/nymph	0.05 - 0.08	1		
Flutriafol 125g	Adult/nymph	0.1	1		
Fluopyram + Pyrimethanil	Adult/nymph	0.075	1		
Flusilazole 400g	Adult/nymph	0.005	1		
Iminoctadine Tris		0.05	1		
Kresoxim -methyl SC	Adult/nymph	0.015	1		
Kresoxim -methyl 50%	Adult/nymph	0.02	1		
Kresoxim-methyl 100 + Boscalid 200g	Adult/nymph	0.03 - 0.05	1		
Kumulus df	Adult/nymph	0.4 - 0.7	1		
Metominostrobin	Adult/nymph	0.03	1		
Metrafenone 500g/l	Adult/nymph	0.04	1		
Mineral oil 97.2%	Adult/nymph	1%	1		
Myclobutanil	Adult	0.06	1		
Myclobutanil	Adult/nymph	0.04 - 0.05	1		
Myclobutanil + Dinocap	Adult/nymph	0.03	1		
Neem oil	Adult/nymph	1%	1		
Penconazole	Adult/nymph	0.025 - 0.05	1		
Penconazole	Adult/nymph	0.025 - 0.05	1		
Polyxin B 10%	Adult/nymph	0.1	1		
Polyoxin B	Adult/nymph	0.1	1		
Polyoxin AI 50%	Adult/nymph	0.025	1		
Potassium bicarbonate	Adult/nymph	0.1	1		
Proquinazid 200g	Adult/nymph	0.02 - 0.03	1		
Pyraclostrobin + boscalid	Adult/nymph	0.05 - 0.075	1	2	
Pyraclostrobin + boscalid	Adult/nymph	0.04 - 0.075	1		
Quinoxifen 250g/l Sc	Adult/nymph	0.02	1		
Spiroxamine	Adult/nymph	0.05	1		
Sulfor 80%	Adult/nymph	0.5 - 1.0	1		
Suuphur 80%	Adult/nymph	0.2 - 0.4	1		
Sulfur S.C 700	Adult	1	1		
Sulfur 825g	Adult/nymph	0.8	1		
Sulfur 800 g/l SC	Adult/nymph	0.75	1		

Sulfur 80%	Adult/nymph	0.75 - 1	1			
Tea tree oil (M.Alternifolia)	Adult/nymph	0.4	1			
Tebuconazole + Trifloxyst	Adult/nymph	0.025	1			
Triadimenol 250g	Adult/nymph	0.01 - 0.05	1			
Triadimefon 25%	Adult/nymph	0.02 - 0.03	1			
Triadimenol 250g	Adult/nymph	0.01 - 0.04	1			
Triforine	Adult/nymph	0.05 - 0.08	1			
Tetraconazole 100g	Adult/nymph	0.04 - 0.1	1			
Tetraconazole + Sulfur	Adult/nymph	0.3 - 0.5	1			
Trifloxystrobin 500g	Adult/nymph	0.01 - 0.02	1			

TARGET: BOTRYTIS CINEREA

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Bacillus subtilis	Adult/nymph	1kg	1			
Carbendazim + Diethofencarb	Adult/nymph	0.05 - 0.1	1			
Chlorothalonil	Adult/nymph	0.035 - 0.5	1			
Cyprodinil + fludioxonil	Adult/nymph	0.06	1			
Fenhexamid	Adult/nymph	0.15	1			
Folpet + Prochloraz Zinc	Adult/nymph	0.3	1			
Fluopyram 125 + Pyrimethanil 375	Adult/nymph	0.12	1			
Iprodione	Adult/nymph	0.01	1			
Mepanipyrim	Adult/nymph	0.1	1			
Penthiopyrad 20 CL	Adult/nymph	0.1	1			
Polyoxim b 10%	Adult/nymph	0.1 - 0.2	1			
Pyrimethanil	Adult/nymph	0.25	1			

TARGET: FOLIAGE DISEASE

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Carbendazim 50%	Adult/nymph	0.04 - 0.08	1			
Copper Hydroxide 77%	Adult/nymph	0.3	1			
Copper Hydroxide 77%	Adult/nymph	0.3 - 0.5	1			
Copper Sulphate 40%	Adult/nymph	0.25	1			
Chlorothalonil	Adult/nymph	0.2 - 0.35	1			
Chlorothalonil + Azoxystrobin	Adult/nymph	0.15 - 0.2	1			
Chlorothalonil WG	Adult/nymph	0.15 - 0.2	1			
Cyproconazole 100g	Adult/nymph	0.04 - 0.05	1			
Difenoconazole 250gr	Adult/nymph	0.05 - 0.075	1			
Difenoconazole 250gr	Adult/nymph	0.05 - 0.1	1			

Diniconazole m 12.5%	Adult/nymph	0.04	1			
Dithianon 500g	Adult/nymph	0.1	1			
Flusilazle 400g/l	Adult/nymph	0.003 - 0.005	1			
Mancozeb 62.5 + Femoxadone	Adult/nymph	0.1 - 0.15	4			Fertility Impact
Mancozeb 80%	Adult/nymph	0.25 - 0.35	4			Fertility Impact
Metconazole 90g/l	Adult/nymph	0.04 - 0.06	1			
11.7% Phosphric Acid	Adult/nymph	0.6	1			
Potassium Phosphite + Copper Oxychloride	Adult/nymph	0.4	1			
Prochloraz Manganese 50%	Adult/nymph	0.2	1			
Prochloraz 450g/l	Adult/nymph	0.2 - 0.3	1			
Propineb 70%	Adult/nymph	0.25	1			
Pyraclostrobin 12.8 + Boscalid25	Adult/nymph	0.04 - 0.075	1			
Tebuconazole	Adult/nymph	0.05 - 0.1	1			
Tebuconazole 250g (Toledo EC)	Adult/nymph	0.075 - 0.1	1			
Tebuconazole 250g	Adult/nymph	0.075 - 0.2	1			

TARGET: ROOT DISEASE

Active Ingredient	Beneficial Life Cycle Stage	Dosage (%)	Direct Spray	Indirect Spray	Residual Effects/Day	Sublethal Effect
Copper Sulphate+Potasphosphite	Adult/nymph	1%	1			
Fluazinam	Adult/nymph	0.05	1			
Fludioxonil	Adult/nymph	0.04 - 0.05	1			
Fludioxonil 100g/l	Adult/nymph	0.2	1			
Hymexazol	Adult/nymph	0.1	1			
Pencycuron 250g/l	Adult/nymph	0.5	1			
Pentachloronitrobenzene - Pc	Adult/nymph	1%	1			
Prochloraz Manganese 50%	Adult/nymph	0.1 - 0.2	1			
Propamocarb Hcl	Adult/nymph	0.15	1			
Tolclofos Methyl 50%	Adult/nymph	0.1 - 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.