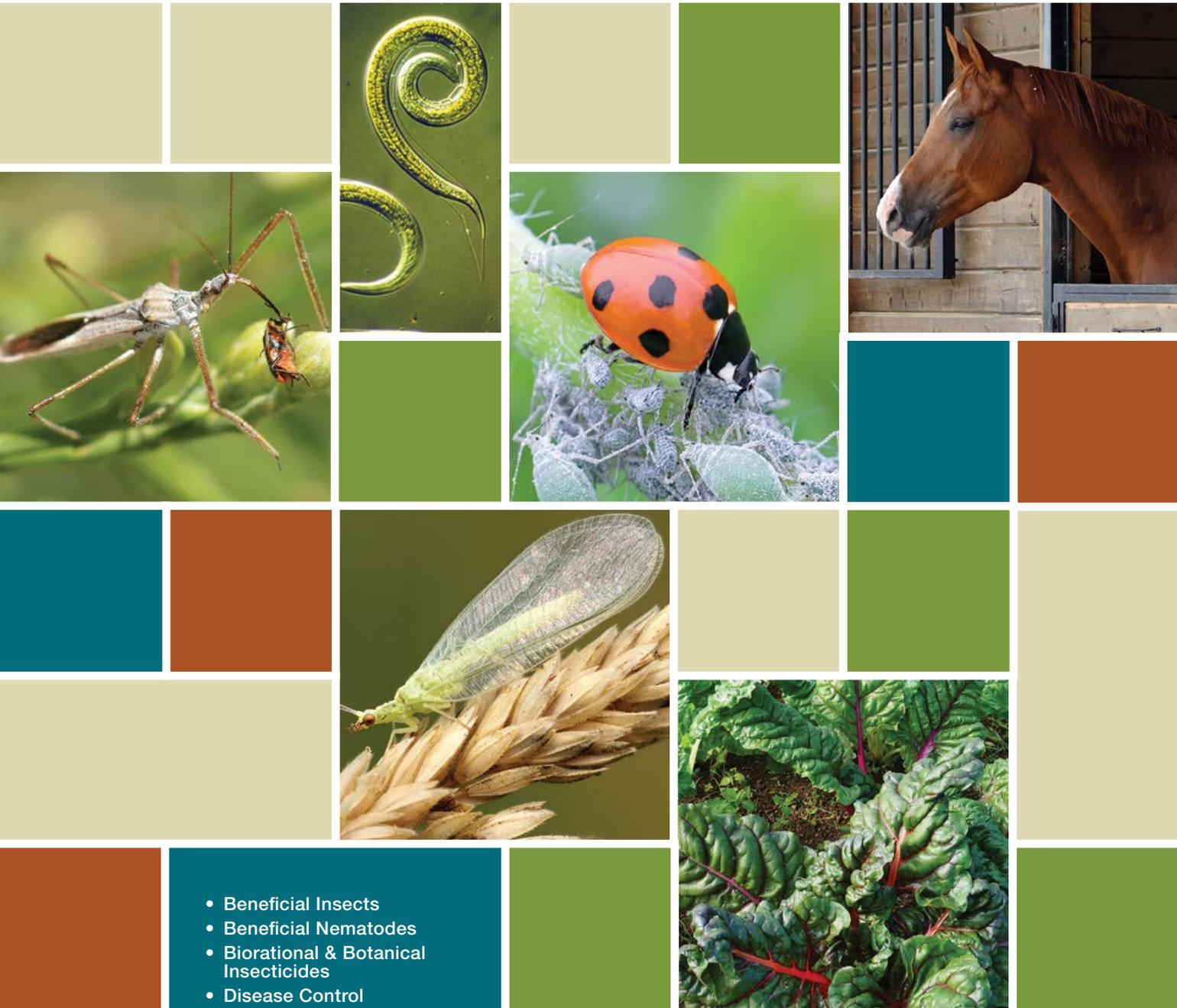


ARBICO *organics*™

Providing Organic Solutions For Growers Since 1979

Fall/Winter Catalog 2017

Natural Products For Your Organic Garden, Farm and Livestock!



- Beneficial Insects
- Beneficial Nematodes
- Biorational & Botanical Insecticides
- Disease Control
- Frost Protection
- Mosquito Control
- Pest Insect Traps & Lures
- Predatory Mites & Parasites
- Seed & Soil Prep



SPOTLIGHT ON SEASONAL GROWING

For many of us, fall and winter growing is a time of transitions. From the plants we grow, to the environment we grow them in, cool season growing has unique challenges. Our Fall/Winter catalog is designed to guide you through our most popular solutions for pest control, disease prevention and more!



Soil & Seed

- Seeds – Page 31
- Seed Starting – Page 32
- Soil Testing – Page 33
- Soil Amendments – Page 35



Insect & Animal Control

- Aphid Control – Pages 3-5
- Whitefly Control – Pages 5-6
- Spider Mite Control – Pages 6-8
- Animal Control – Pages 40-41



Disease Control & Prevention

- Disease Control – Pages 36-38
- Cleaning & Sanitizing – Page 39



Crop & Frost Protection

- Crop Protection – Pages 30-31
- Frost Protection – Pages 30-31

GENERALISTS

Ladybugs - *Hippodamia convergens*

Ladybugs Consume A Vast Quantity Of Soft-Bodied Insects.

TARGET: Aphids, chinch bugs, asparagus beetle larvae, thrips, alfalfa weevil larvae, bean thrips, grape root worm, Colorado potato beetle larvae, whiteflies and mites, plus many other soft-bodied insects and eggs.

DESCRIPTION: One of the most common of all beneficial insects, ladybugs are shipped to you in the adult stage. Each adult consumes about 5,000 aphids. The number of ladybugs per shipment is approximate.

SUGGESTED USE (Depending upon level of infestation): Shipped as adults. Release prior to or at the onset of infestation. Use more or less depending on your level of infestation and crop.

Temperature: Moderate: 62-82°F **Relative Humidity:** Minimum 40%

1112525	≈1,500	(.75 lb.)	≈800 sq. ft.	\$12.95
1112511	≈4,500	(1 lb.)	≈2,500 sq. ft.	\$22.50
1112512	≈9,000	(1 lb.)	≈5,000 sq. ft.	\$29.00
1112513	≈18,000	(1 lb.)	≈10,000 sq. ft.	\$43.00
1112505	≈35,000	(5 lbs.)	≈1/2 acre	\$71.00
1112506	≈70,000	(13 lbs.)	≈1-10 acres	\$125.00

Call For Availability. Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Hippodamia convergens

Assassin Bug - *Zelus renardii*

These Voracious Ambush Predators Will Stay In Your Garden & Devour A Wide Variety Of Pest Insects!

TARGET: Leafhoppers, aphids, early instar caterpillars, flies, mites in conjunction with mite predators, and most other pests.

DESCRIPTION: These hardworking ambush predators are an excellent addition to any growing area, large or small. Feasting on a variety of pests, assassin bugs stay put in order to knock out an infestation. With an approximate two-month lifespan, these generalist predators will live, eat and reproduce in the area of release. *Zelus* start eating immediately after hatching, and by the second instar they produce a resin on their legs, which turns them into a walking sticky trap. Once captured, their prey is pierced with their rostrum and a digestive enzyme is injected into the prey and the insect is quickly killed. This method of predation allows for *Zelus* to take out prey much larger than themselves. These generalist predators are voracious and can be used efficiently in gardens, fields, orchards and greenhouses.

SUGGESTED USE (Depending upon level of infestation): Use 500 eggs in a 2,000-3,000 square foot area every 2-3 weeks. Release preventively or at the first sign of in an infestation. For heavy infestations, release 500-1,000 eggs weekly in no more than 2,000 square feet. Release 5-10 thousand eggs biweekly per acre. Shipped as eggs, these beneficial insects will typically hatch in under a week.

Temperature: 55-110°F **Relative Humidity:** 10-75%

1000105	≈250 Eggs	(.5 lb.)	\$36.00
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Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Zelus renardii

Green Lacewings - *Chrysoperla rufilabris*, *Chrysoperla sp.*

FREE SHIPPING

Referred To As "Aphid-Lions," These Generalists Have Amazing Dispersal Abilities!

TARGET: Aphids, mealybugs, spider mites, leafhopper nymphs, moth eggs, scale thrips, whiteflies and more.

DESCRIPTION: Green Lacewing are available in all three life stages: egg, larva and adult. Green Lacewing larvae paralyze their prey with venom and then draw out the body fluids of the pest into their large hollow jaws. Each lacewing larva will devour 200 or more pests or pest eggs a week during their two to three week developmental period.

Temperature: Minimum: 60°F Best: 75-90°F

Relative Humidity: 30-50%

Release Rate: Every 7-10 days

1110001	≈1,000 Eggs	(.75 lb.)	\$16.00
1110011	≈5,000 Eggs	(1 lb.)	\$27.00
1110016	≈10,000 Eggs	(1 lb.)	\$37.80
1110100	≈5,000 Eggs on Cards	(1 lb.)	\$28.50
1110102	≈10,000 Eggs on Cards	(1 lb.)	\$45.00
1110105	≈25,000 Eggs on Cards	(1 lb.)	\$90.00
1110005	Larval Frames ≈400 Larvae	(7 lbs.)	\$25.00**
1110006	≈100 Adults	(3 lbs.)	\$44.00**
1110007	≈500 Adults	(7 lbs.)	\$170.00**
1110010	≈1,000 Larvae in Bottle	(7 lbs.)	\$25.00**



Chrysoperla rufilabris, *Chrysoperla sp.*

Green Lacewing Eggs Programs:

1110002	≈1,000 Eggs/week for min. 3 shipments	(.75 lb.)	\$15.60
	(Price Per Shipment)		
1110003	≈5,000 Eggs/week for min. 3 shipments	(.75 lb.)	\$24.30
	(Price Per Shipment)		
1110023	≈10,000 Eggs/week for min. 3 shipments	(.75 lb.)	\$33.75
	(Price Per Shipment)		

SUGGESTED USE (Depending upon level of infestation):

Eggs	Larvae
Gardens & Greenhouses	Gardens & Greenhouses
≈1k-2k Eggs/1,000 sq. ft.	≈2-4/sq. ft.
Farms	Farms
≈2,000-40,000/Acre	≈1,000-2,000/Acre
Adults	
Gardens & Greenhouses	
≈1-3/sq. ft., 100/Tree	
Gardens & Greenhouses	
≈200-500/Acre	

Larvae & Adults Require OVERNIGHT Shipping

*FREE SHIPPING in the contiguous 48 United States. Quantities of 1,000-25,000 ship via USPS Priority only. Quantities of 50,000-250,000 ship via UPS 2nd Day Air only. Expedited shipping available for an additional fee.

**FREE SHIPPING does not apply to Green Lacewing Adults, Green Lacewing Larval Frames and Green Lacewing Larvae in Bottle.

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW

BENEFICIAL INSECTS & MITES

Minute Pirate Bug - *Orius insidiosus*

Excellent General Predator In Field Crops & Greenhouses.

TARGET: Thrips, whiteflies, spider mites, aphids, psyllids, small caterpillars, insect eggs and others.

DESCRIPTION: Minute Pirate Bugs, *Orius spp.*, also known as flower bugs, are one of the most common general predators in field crops. Their diet consists of a variety of small pests. They are also known to attack adult thrips.

SUGGESTED USE (Depending upon level of infestation): Sold as adults. For maintenance, release 1 to 2 *Orius* per plant in greenhouses or 1 to 4 *Orius* per plant in hot spot areas outdoors. When treating a serious whitefly, aphid, thrips or other pest infestation, we recommend releasing up to 500 *Orius* per 250 sq. ft. area. For field crops, we recommend releasing between 100 and 2,000 *Orius* per acre, depending on the level of infestation.

Temperature: 70-90°F **Relative Humidity:** High Humidity

1117001	≈500	(2 lbs.)	\$79.00
1117003	≈1,000	(2 lbs.)	\$108.00
1117004	≈2,000	(3 lbs.)	\$205.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Aphid Parasite - *Aphidius colemani*

Exceptional In Greenhouses Producing Vegetables & Ornamentals.

TARGET: Aphids, especially melon and cotton aphids (*Aphis gossypii*).

DESCRIPTION: These tiny (1/8") parasitic wasps specifically target aphids to provide food and a place to oviposit. The adults respond to alarm signals from plants to locate the aphids and, once there, they feast on the honeydew produced by the aphids. The females will then lay their eggs inside aphid nymphs. The larvae will hatch and devour the aphid from inside, turning it into a mummy. The parasites are shipped to you in this stage; simply place them where the infestation is. Once mature, the adult wasp will chew its way out of the mummy and begin hunting aphids.

SUGGESTED USE (Depending upon level of infestation): Apply to existing infestations weekly, until pests subside. Use ≈1-8/1 sq. yd. or ≈500-3,000/acre.

Temperature: 64-75°F **Relative Humidity:** High ≈80%

1101302	≈500 Mummies	(2 lbs.)	\$43.00
1101301	≈1,000 Mummies	(2 lbs.)	\$54.00
1101303	≈5,000 Mummies	(4 lbs.)	\$189.00
1101304	≈10,000 Mummies	(4 lbs.)	\$340.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



SPECIALISTS - APHID CONTROL

Aphid Predator - *Aphidoletes aphidimyza*

This Aphid Predator Attacks & Feeds On Over 60 Different Species Of Aphids.

TARGET: Over 60 different aphids, including green peach aphids (*Myzus persicae*) and hemlock woolly adelgid (*Adelges tsugae*).

DESCRIPTION: Predacious to aphids, these insects will inject a paralyzing toxin into pest's legs and feed on aphid body contents, causing eventual death.

SUGGESTED USE (Depending upon level of infestation): Apply to existing infestations weekly, until pests subside. Use ≈1-3/10 sq. ft., ≈2-3/10 sq. ft. or ≈4,500/acre.

Temperature: Warm 64-77°F **Relative Humidity:** Moderate ≈70%

1101001	≈1,000 Pupae	(2 lbs.)	\$80.00
1101003	≈3,000 Pupae	(5 lbs.)	\$207.00
1101002	4x250 Pupae in Blister Packs	(4 lbs.)	\$41.30

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Aphid Parasite - *Aphidius ervi*

This Non-Stinging Parasitic Wasp Attacks Larger Aphid Species.

Image Citation: Alex Wild

TARGET: Aphids, especially potato (*Macrosiphum euphorbiae*), glasshouse potato (*Aulacorthum solani*), green peach (*Myzus persicae*), foxglove (*Aulacorthum solani*) and pea aphids (*Acyrtosiphon pisum*). Also attacks greenbug/wheat (*Shizaphis graminum*), yellow rose (*Rhodobium orientis*), English grain (*Sitobion avenae*) and other aphids.

DESCRIPTION: These mini-wasps (1/8") are vigorous fliers and will aggressively seek out aphid populations, no matter how small. Once they find the aphids, they feed on the honeydew produced by the aphids and lay their eggs inside the aphid nymphs. As the larvae feed on the nymphs from the inside, the nymph turns into a mummy. The parasites are shipped to you in this stage; simply place them where the infestation is. Once mature, the adult wasp will chew its way out of the mummy and begin its own search for aphids.

SUGGESTED USE (Depending upon level of infestation): Apply to existing infestations weekly, until pests subside. Use ≈1-3/10 sq. ft. or 1-8/sq. yd.

Temperature: 64-75°F **Relative Humidity:** Moderate ≈70%

1001001	≈250 Mummies	(2 lbs.)	\$80.00
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Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



SPECIALISTS - APHID CONTROL

Aphid Parasite - *Aphelinus abdominalis*

These Ravenous Predators Will Eat & Parasitize Aphid Nymphs!

TARGET: Aphids, including potato (*Macrosiphum euphorbiae*), foxglove (*Aulacorthum solani*), green peach (*Myzus persicae*), California laurel (*Euthoracaphis umbellulariae*), cotton (*Aphis gossypii*), melon (*Aphis gossypii*), bird cherry-oat (*Rhopalosiphum padi*), cereal (*Sitobian avenae*), and alfalfa aphids (*Acyrtosiphon pisum*).

DESCRIPTION: Not great fliers, these parasitic wasps nevertheless can hunt down and destroy large numbers of aphids. These predators will not only lay their eggs in aphid nymphs, they will eat those that they don't parasitize. This secondary method of killing has a powerful effect on the aphid population and provides females with additional protein to develop more eggs. As the larvae matures inside the nymph, they feed on it, turning it into a mummy. The parasites are shipped in this stage; simply place them where the infestation is. The mature adult will chew a hole in the back of the mummy and emerge. This species is better able to handle high temperatures than the *Aphidius* species.

SUGGESTED USE (Depending upon level of infestation): Apply before the onset of infestation. Use ≈250/5,000 sq. ft. or ≈1,000-4,000/acre.

Temperature: Hot 68-80°F **Relative Humidity:** Low-High ≈60-80%

1101101 ≈250 Mummies (2 lbs.) **\$80.00**

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Aphelinus abdominalis

SPECIALISTS - WHITEFLY CONTROL

Whitefly Parasite - *Encarsia formosa*



Save Your Plants From The Ravages Of Destructive Whiteflies! Good For Greenhouses.

TARGET: Greenhouse whiteflies (*Trialeurodes vaporarum*), sweet potato whiteflies (*Bemisia tabaci*) and approximately 15 other species of whitefly.



Encarsia formosa

DESCRIPTION: The whitefly parasite (parasitoid) is a tiny wasp that host feeds and parasitizes the scale (nymphs) of whitefly. The time from egg laying to adult emergence is approx. 25 days. Can be used with Green Lacewings.

SUGGESTED USE (Depending upon level of infestation): For prevention: 500-1,000/15,000 sq. ft. Light infestations: (less than 1 adult whitefly per 50-100 plants) use 1,000-2,000/5,000-10,000 sq. ft. for minimum of 3 weeks or until control is achieved. Heavy infestations: use 3,000/3,500 sq. ft. for a minimum of 3 weeks or until control is achieved. Hang squares with parasitized pupae on plant foliage at first sign of infestation. Order weekly for approximately 2-6 weeks until control is achieved. Call to set up your customized weekly program.

Temperature: Moderate 76-85°F **Relative Humidity:** Moderate ≈50-70%

1132001 ≈1,000 (1 lb.) **\$36.00**

1132002 ≈3,000 (1 lb.) **\$55.90**

1132003 ≈5,000 (2 lbs.) **\$70.00**

2nd Day Shipping Required

*FREE SHIPPING in the contiguous 48 states. Ships via 2nd Day Only. Ships only on Monday, Tuesday and Wednesday.

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW

Whitefly Parasite - *Eretmocerus eremicus*

Better Adapted To Higher Temperatures, Including Temperatures That Fluctuate Day & Night! Good For Desert Climates.

TARGET: Greenhouse whiteflies (*Trialeurodes vaporarum*), sweet potato whiteflies (*Bemisia tabaci*), silverleaf whiteflies (*Bemisia argentifolii*), and banded-winged whiteflies (*T. abutiloneus*) and others.



Eretmocerus eremicus

DESCRIPTION: The whitefly parasite (parasitoid) is a tiny wasp that host feeds and parasitizes the scale (nymphs) of whitefly. The time from egg laying to adult emergence is approx. 22 days. Can be used with Green Lacewings.

SUGGESTED USE (Depending upon level of infestation): For prevention: use 1,000/10,000 sq. ft. Light infestations: 1,000/1,000 sq. ft. Heavy infestations: use 5,000/1,000 sq. ft. Hang squares with parasitized pupae on plant foliage at first sign of infestation. Order weekly for approximately 2-6 weeks until control is achieved. Call to set up your customized weekly program.

Temperature: Moderate 62-82°F **Relative Humidity:** Minimum 40%

1000703 20 blister pk. ≈250 Pupae per blister pack (2 lbs.) **\$94.95**

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Whitefly Infestation

BENEFICIAL INSECTS & MITES

Whitefly Parasite - *Delphastus catalinae*

These Tiny Brown Beetles Consume Several Hundred Pests Daily!

TARGET: Aphids, scale, thrips, and especially greenhouse and outdoor sweet potato whiteflies and other soft-bodied insect pests.

DESCRIPTION: Females lay ≈3-4 eggs daily and adults live for approximately one month. Adult beetles capture prey with mandibles, inject paralyzing venom and feed on pest body fluids. Shipped as adults, they should be used at the first signs of infestation.

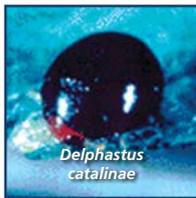
SUGGESTED USE (Depending upon level of infestation): Upon arrival, release at sundown. May be stored at temperatures between 50-60°F for 1-2 days. Can combine with other whitefly parasites.

Temperature: Moderate 65-90°F **Relative Humidity:** High ≈70% & Higher

1126001	≈100	(3 lbs.)	\$47.50
1126003	≈200	(3 lbs.)	\$74.95
1126002	≈1000	(3 lbs.)	\$162.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Mite Predator - *Phytoseiulus persimilis*

The Mite Predator With The Highest Consumption & Dispersal Rate.

Image Citation: Photo by David Janzen. All rights reserved to BioBee Sde Ellyahu Ltd.

TARGET: Two spotted spider mites and various other mites.

DESCRIPTION: These orange and bright red predatory mites have high consumption rates, feeding on approx. 5-20 pests and pest eggs per day! Females will lay about 60 eggs throughout their 50-day lifespan. They will not enter a diapause stage in enclosed or greenhouse settings; making them active year round.

SUGGESTED USE (Depending upon level of infestation): 500-1,000/acre every 2 weeks, 2-3 releases. Use indoors and outdoors. Weekly release programs available. Please call.

Temperature: Moderate: 68-90°F **Relative Humidity:** High: 60-90%

1151204	≈2,000	(2 lbs.)	\$35.00
1151205	≈4,000	(2 lbs.)	\$52.00
1151206	≈6,000	(3 lbs.)	\$66.50
1151207	≈10,000	(5 lbs.)	\$102.50

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



BENEFICIAL MITES

Mite Predator - *Amblyseius andersoni*

Great For Pre-Emergent Control Of Pest Mite Infestations!

TARGET: Various pest mites including broad mites (*Polyphagotarsonemus latus*), cyclamen mites (*Phytonemus pallidus*), two-spotted spider mites (*Tetranychus urticae*), red spider mites (*Tetranychus cinnabarinus*), tomato russet mites (*Aculops lysopersici*) and rust mites (*Eriophyidae*).

DESCRIPTION: This predatory mite is less than 1mm long and light brown. Adult females lay about 35 eggs in a lifetime, arranging eggs onto leaf hairs. This predatory mite feeds on all stages of pest mites, thrips, pollen and honeydew.

SUGGESTED USE (Depending upon level of infestation): Apply on infestations on aubergine, cucumber, cut flowers, melons, ornamental potted plants, peppers, raspberries, strawberries and tomato crops. Colonies of predators are shipped inside specially designed sachets. The sachets contain approximately 250 predators and colonies will continue to breed inside their sachets once placed into crops. Place before the onset of infestation. Can be used with *Phytoseiulus persimilis* and *Stethorus punctillum*. Replace sachets every six weeks dependent on control needs and infestation levels.

Temperature: Moderate 42-100°F **Relative Humidity:** High if in higher temps.

1101323	200 Mini Sachets w/Hooks	(3 lbs.)	\$152.00
1101320	100 Gemini Sachets (≈25,000)	(8.5 lbs.)	\$135.00
	≈1 Sachet/6-3 ft. of crop row		
1101321	1 Bag (≈125,000)	(5 lbs.)	\$425.50
1101322	6 x 328 ft. CRS Sachet	(5 lbs.)	\$547.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Mite Predator - *Amblyseius swirskii*

For Use On A Variety Of Pest Mites, Whiteflies & Thrips.

TARGET: Western flower thrips (*Frankliniella occidentalis*), onion thrips (*Thrips tabaci*), broad mites (*Polyphagotarsonemus latus*), hemp russet mites (*Aculops cannabicola*) glasshouse whiteflies, (*Trialeurodes vaporariorum*), tobacco whiteflies (*Bemisia tabaci*) or silverleaf whiteflies.

DESCRIPTION: These predacious mites feed on various pest insects in their developing adult stages, pollen and mold. They may consume about 10 thrips or whitefly larvae a day and up to about 20 whitefly eggs per day. They will not undergo diapause, and can be used in protected crops in cooler growing areas.

SUGGESTED USE (Depending upon level of infestation): Introduce before the onset of infestation, when nighttime temperatures are at least 60°F. Not recommended for use on infestations on tomato crops. Colonies of predators are shipped inside specially designed sachets containing approximately 250 predators. The sachets allow for controlled release, continued predator emergence, are water resistant and can be used indoors/outdoors and with overhead irrigation. Sachets will be active for ≈2-4 weeks depending on infestation level and predator establishment.

Temperature: Moderate 60-85°F **Relative Humidity:** 70%

1101312	1 Tube (≈25,000)	(3 lbs.)	\$68.20
1101311	1 Bag (≈125,000)	(3 lbs.)	\$270.00
1101313	500 Sachets w/Hooks	(4 lbs.)	\$290.50
1101310	500 Gemini Sachets (≈25,000)	(4 lbs.)	\$296.00
1101314	6 x 328 ft. Sachet	(5 lbs.)	\$450.00
1101315	1,000 Mini Sachets w/Hooks	(4 lbs.)	\$467.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



BENEFICIAL MITES

Mite Predator - *Galendromus occidentalis*

Excellent For Hot & Dry Inland Areas!

Image Citation: Photo by E. Beers, WSU- TFREC

TARGET: Two spotted spider mites, russet mites, eriophyid mites, prunus rust mites, blister mites, European red mites; various mites.

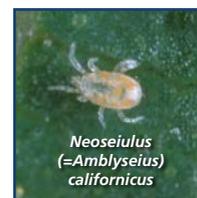
DESCRIPTION: Early stages are white, turning red or brown depending on pest host consumed. Adults feed on about 6 pest eggs or 1-3 pest adults per day. Females lay approx. 20 eggs in a 30 day lifecycle. Eggs hatch in a few days, and development to adulthood takes about 7-14 days. Ideal for use on fruit trees, vegetables, grapes and field crops.

SUGGESTED USE (Depending upon level of infestation): Used indoors and outdoors. For indoor, use ≈1,000 per 500 sq. ft. For outdoor, use ≈2,000-5,000 per acre. Use weekly until infestations subside.

Temperature: Hot 80-110°F	Relative Humidity: Low 40%		
1151202	≈1,000	(2 lbs.)	\$43.00
1151220	≈10,000	(6 lbs.)	\$160.00
1151221	≈50,000	(8 lbs.)	\$603.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Mite Predator - *Mesoseiulus longipes*

Originating In South Africa, This Predatory Mite Is Known For Its Quick Hunting Skills In Warmer & Very Dry Conditions.

Image Citation: Photo by Merritt Singleton, University of Wisconsin - Madison, Dept. of Entomology

TARGET: Spider mites, two spotted spider mites; various mites.

DESCRIPTION: An excellent choice for dry, western states. The female mite predator will lay approx. 50 eggs during lifespan of approx. 13-40 days. Consumption of pest is dependent upon temperatures and infestation conditions. Use in greenhouses and with taller plants growing under warm lights.

SUGGESTED USE (Depending upon level of infestation): Use in warm/dry greenhouses and in low pest population; lasts longer than most mite predators. Use weekly and apply 3-5 times. For indoor use: ≈1,000 per 300 sq. ft. For outdoor use: ≈5,000 per acre.

Temperature: Hot 70-100°F	Relative Humidity: Low 40%		
1151203	≈1,000	(2 lbs.)	\$38.50
1156301	≈5,000	(3 lbs.)	\$80.00
1156401	≈10,000	(3 lbs.)	\$142.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Mite Predator - *Neoseiulus (=Amblyseius) californicus*

Good For Areas Where Temperatures Fluctuate Greatly Such As Deserts.

TARGET: Various spider mites, cyclamen mites, broad mites and russet mites.

DESCRIPTION: This tiny, ivory, pear-shaped predatory mite feeds on a variety of pests on crops including: cucumbers, tomatoes, strawberries, tropical foliage plants, and greenhouse roses. Although adults consume prey at a relatively slow rate of about one egg per day, they can survive longer under starvation conditions. During their lifetime of about 20 days, females will lay approx. 1-3 eggs per day. Eggs hatch within a few days and adulthood is reached in about 4-12 days.

SUGGESTED USE (Depending upon level of infestation): Use ≈1,000 per 4,500 sq. ft. in greenhouses to treat for broad mite. Use ≈10,000 per acre to treat for cyclamen mites on strawberries. Use weekly until infestation subsides.

Temperature: Warm 50-105°F	Relative Humidity: No higher than 60%		
1151201	≈1,000	(2 lbs.)	\$35.00
1151208	≈2,000	(2 lbs.)	\$43.00
1151209	≈5,000	(2 lbs.)	\$65.50
1151210	≈10,000	(2 lbs.)	\$106.00
1151212	≈25,000	(2 lbs.)	\$125.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW

Spider Mite Destroyer - *Feltiella acarisuga*

We Recommend This Predator When Spider Mite Infestations Are Widespread & Severe.

TARGET: Two spotted spider mites, carmine spider mites, European red mites; various mites.

DESCRIPTION: The entire life cycle is about 15 days. Adults are about 2 mm long, pinkish-brown, and have long legs. They do not prey on spider mites, but drink water and nectar. The female adult gall-midges actively search for spider mite colonies and deposit eggs next to them for about 5 days. Eggs laid are .1 x .25 mm in size and are shiny and translucent. They hatch in 2 days. The larvae that hatch from the eggs are .2-2 mm in length and are orange-brown. They feed on all stages of the spider mite for 4-6 days, depending on the temperature, humidity, and abundance of spider mites. Larvae pupate inside a white cocoon, usually on the underside of leaves along the veins. It takes 4-6 days to produce an adult.

SUGGESTED USE (Depending upon level of infestation): For light infestations, introduce 10/1,000 sq. ft or 400/acre every 7 days, for at least 3 weeks. For heavy infestations, introduce 25/1,000 sq. ft. or 1,000/acre every 7 days, for at least 3 weeks.

Temperature: Moderate 60-77°F	Relative Humidity: High 50-90%		
1155701	≈250	(3 lbs.)	\$144.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



BENEFICIAL INSECTS & MITES

Mite Predator - *Neoseiulus (=Amblyseius) fallacis*

An Excellent Mite Predator For Control Of Many Different Types Of Mites.

Image Citation: Photo by Dr. Art Agnello, Cornell University

TARGET: Two spotted spider mites, broad mites, cyclamen mites, hemp russet mites; various mites.

DESCRIPTION: This predatory mite effectively suppresses cyclamen mites in strawberry fields, broad mites in greenhouse crops, European red mites and two-spotted spider mites in orchards, spider mites on roses and vegetable crops in greenhouses and general mite problems on mint and hops in northern climates. Eggs and nymphs are difficult to see as they are small and almost transparent. Adults are pear-shaped and ivory until feeding, when they take on the red or brown coloration of their prey. Adult females consume around 2-16 pest mites per day and lay ~20-60 eggs during a 14-60 day life-cycle. The transition from egg to adult stage takes about 7-9 days.

SUGGESTED USE (Depending upon level of infestation): Good for cold climates! Use preventatively; over-winters and sustains on pollen. Release at the start and end of the season. Use ~1,000 per 4,500 sq. ft or 10,000 per acre.

Temperature: Moderate 50-80°F **Relative Humidity:** High 60-90%

1151401	≈1,000	(1 lb.)	\$39.95
1151402	≈2,000	(3 lbs.)	\$52.00
1151403	≈5,000	(3 lbs.)	\$86.75
1151404	≈10,000	(3 lbs.)	\$152.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Spider Mite Destroyer - *Stethorus punctillum*

Use These Predators In Addition To Other Predatory Mites When Spider Mite Populations Are Especially High.

TARGET: Two spotted spider mites, European red mites, spruce spider mites, southern red mites; various mites.

DESCRIPTION: Using smell, this tiny ladybug is an effective locator and as an adult will consume more than 40 mites per day. Females lay up to 15 eggs per day. Development to the adult stage takes around 18 days at a temperature of 70°F and the total lifespan of the predator is about 9 weeks. They are known to survive temperatures over 100°F in field crops.

SUGGESTED USE (Depending upon level of infestation): Use 100 adults per 300 sq. ft. of infested area. Release adult beetles into mite infested areas and look for signs of reproduction (larvae, pupae, and adults) after four weeks. This predator is more mobile than spider-mite predators (predatory mites) but takes longer to establish, so releases of spider-mite predators should also be made into mite infested areas.

Temperature: Moderate 73-77°F **Relative Humidity:** High 60%

1113301	≈100	(3 lbs.)	\$79.00
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Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



SPECIALISTS

Moth Egg Parasites - *Trichogramma spp.*

Prevent Worm Pest Damage On Crops!

TARGET: Egg stages of more than 200 pests, including: borers, webworms, loopers, leafminers, fruitworms, cutworms, bollworms and armyworms (excluding beet armyworm).



DESCRIPTION: *Trichogramma spp.* lay their eggs in the pest eggs, killing them. Adults emerge 2-3 days after release. They live 7-75 days depending on temperature and moisture. *Trichogramma* are shipped in the parasitized host egg. Each tab has been inoculated with ~2,400 eggs per tab.

SUGGESTED USE (Depending upon level of infestation): Use ~1 tab/300 sq. ft.; 1/2-2 cards/acre weekly for 2-6 weeks. Release at first flight of moths and every 7-10 days thereafter until infestation subsides. Place tabs where moths are seen. Use traps for monitoring and trapping adult moths.

Temperature: Minimum 50°F **Relative Humidity:** Moderate

SKU #	Amount & Weight	Price
<i>Trichogramma pretiosum</i> - row crops, vinyards		
1131021	3 Tabs (1 lb.)	\$7.00
1131003	6 Tabs (1 lb.)	\$12.00
1131022	1 Card (30 Tabs) (1 lb.)	\$25.00
1131023	5-9 Cards (2 lbs.)	\$22.50 per card
1131024	10+ Cards (3 lbs. for every 10)	\$20.50 per card
<i>Trichogramma brassicae</i> - European cabbage butterfly, cutworm, corn earworm, European cornborer, cabbage looper, armyworm		
1131910	3 Tabs (1 lb.)	\$7.00
1131903	6 Tabs (1 lb.)	\$12.00
1131911	1 Card (30 Tabs) (1 lb.)	\$25.00
1131912	5-9 Cards (2 lbs.)	\$22.50 per card
1131913	10+ Cards (3 lbs. for every 10)	\$20.50 per card
<i>Trichogramma minutum</i> - trees, bogs, more common on the East Coast		
1129001	3 Tabs (1 lb.)	\$7.00
1129003	6 Tabs (1 lb.)	\$12.00
1129010	1 Card (30 Tabs) (1 lb.)	\$25.00
1129025	5-9 Cards (2 lbs.)	\$22.50 per card
1129030	10+ Cards (3 lbs. for every 10)	\$20.50 per card
<i>Trichogramma platneri</i> - orchards, more common West of the Rockies		
1130001	3 Tabs (1 lb.)	\$7.00
1130003	6 Tabs (1 lb.)	\$12.00
1130030	1 Card (30 Tabs) (1 lb.)	\$25.00
1130035	5-9 Cards (2 lbs.)	\$22.50 per card
1130040	10+ Cards (3 lbs. for every 10)	\$20.50 per card

2nd Day Shipping Required

SPECIALISTS

Mexican Bean Beetle Parasite - *Pediobius foveolatus*

Is Most Effective When Introduced At The First Sign Of Mexican Bean Beetles.

TARGET: Mexican bean beetles (*Epilachna varivestis Mulsant*).

DESCRIPTION: The Mexican bean beetle is a major insect pest of beans. The Mexican bean beetle adults and larvae will eat the undersides of the bean leaves causing lacing of the foliage. The high levels of damage to the leaves can significantly reduce your yearly bean yields. *Pediobius foveolatus* is a small beneficial wasp that will parasitize 2nd through 4th instar larvae of the Mexican bean beetle (and the same stages of squash beetle larvae, a closely related species). Shipped to you inside their host; Mexican bean beetle pupae. Once the adults emerge, the females deposit their eggs in the larvae of the Mexican bean beetle.



SUGGESTED USE (Depending upon level of infestation): Timing is critical; release one mummy per 70 sq. ft. Approximately 20-25 wasps per mummy = approximately 800-1000 wasps per 40 mummies.

Temperature: Moderate 64-75°F **Relative Humidity:** High ~50-90%

1102002	20 Mummies	(1 lb.)	\$117.00
1102201	80 Mummies	(4 lbs.)	\$359.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW

Rove Beetle - *Dalotia coriaria* (= *Atheta coriaria*)

For Indoor Control Of Soil Dwelling Pests!

TARGET: Fungus gnats (sciarid flies), thrips and shore flies.

DESCRIPTION: "Rove beetles" will feed on small soil-dwelling pest larvae and eggs. Adults are a brown-black color, 3-4 mm long and winged. They are predacious in all stages and develop from egg to adult in about 21 days; passing through three larval instars prior to pupation and adulthood. Adults consume about 150 pest fungus gnat eggs per day. Compatible with *Stratiolaelaps scimitus* (= *Hypoaspis miles*). Winged adults have high dispersal and colonization rates and are not recommended for outdoor use.



SUGGESTED USE (Depending upon level of infestation): Use season-long, in covered crops such as ornamentals, cucumbers, strawberries and mushrooms. Apply directly to growing medium surface. Release twice in a 7 day interval for quick establishment. Apply about 1-5 predators/sq. mi. and up to 10 predators/sq. mi. in high infestation.

Temperature: Moderate 55-80°F **Relative Humidity:** 50-80%

1101330	1 Tube (≈500 Adults)	(2.5 lbs.)	\$67.50
1101332	1 Bag (≈3,000 Adults)	(7.25 lbs.)	\$170.00

Overnight Shipping Required

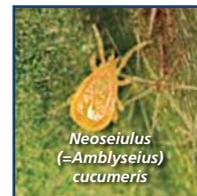
Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW

Thrips Predator - *Neoseiulus* (= *Amblyseius*) *cucumeris*

These Beneficial Mites Consume Vast Quantities Of Thrips.

TARGET: Prefers greenhouse and western flower thrips. They will also eat spider mites, russet mites and pollen.

DESCRIPTION: Tan colored adult females lay about 35 small white eggs throughout their lifespan of about 30 days. During the 7-10 day nymph stage, predation begins. Adults will consume about 1 pest a day. Predators are shipped as adults.



SUGGESTED USE (Depending upon level of infestation): Release mites prior to and at onset of infestation. Place at the base of plants. Monitor with Sticky Thrips/Leafminer Traps. For greenhouse crops: ≈50-100 predators/cucumber plant, ≈10-100/pepper plant, Bedding and potted plants ≈1,000/1,000 sq. ft., Tropical plants 1,000/150-200 sq. ft. Apply ≈10,000 per acre. Repeat releases weekly until infestation subsides. Weekly release programs available. Please call.

Temperature: Moderate 66-80°F **Relative Humidity:** Moderate 65-72%

1152204	≈50,000	(3 lbs.)	\$38.50
1152205	≈100,000	(5 lbs.)	\$73.70
1152206	≈250,000	(7 lbs.)	\$119.95
1152201	200 Sachets	(4 lbs.)	\$79.00
1152203	300 Gemini sachets	(4 lbs.)	\$90.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW

Fungus Gnat Predator - *Stratiolaelaps scimitus* (= *Hypoaspis miles*)

Stop Destructive Fungus Gnats & Thrips In Their Developing Soil Stages.

TARGET: Fungus gnats, western flower thrips, springtails, mold mites, spider mites, cactus root mealybugs, strawberry root weevils and black vine root weevils.



DESCRIPTION: This tiny brown mite naturally inhabits the top layer of soil where larvae and pupae dwell. Female predatory mites lay their eggs in soil and the nymphs and adults feed on pests.

SUGGESTED USE (Depending upon level of infestation): ≈5,000-10,000 mites treat approximately 1,000 sq. ft. Release ≈25,000-50,000/acre depending on level of infestation. Apply weekly until infestation subsides. Weekly release programs available. Please Call. Trap adult infestations using Blue Sticky Traps. Reinforce with applications of beneficial nematodes.

Temperature: Moderate 60-72°F **Soil Conditions:** Moist soil. Not too damp.

1154002	≈25,000	(3 lbs.)	\$32.75
1154003	≈150,000	(5 lbs.)	\$170.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW

BENEFICIAL INSECTS & MITES

Mealybug Destroyer - *Cryptolaemus montrouzieri*

These Tiny Ladybird Beetles Devour Pest Mealybugs In Both The Larval & Adult Stages.

Image Citation: Nijel Cruz

TARGET: Mealybugs, aphids, mites, thrips, whiteflies, and other soft-bodied insect pests.

DESCRIPTION: *Cryptolaemus* is a small dark brown ladybug with an orange head and tail (*elytra*). The larvae are up to 13 mm long and are white with a wax like covering. The pupae are found in sheltered places, stems, the underside of leaves and greenhouse structures. Shipped as adults and most effective in severe infestations.

SUGGESTED USE (Depending upon level of infestation): 500-1,000/acre every 2 weeks, 2-3 releases. Use indoors and outdoors. Weekly release programs available. Please call.

Temperature: Low-High 61-91°F **Relative Humidity:** Moderate ≈70-80%

1114702	≈100 Adults	(2 lbs.)	\$49.95
1114703	≈250 Adults	(2 lbs.)	\$97.00
1114704	≈500 Adults	(2 lbs.)	\$194.50
1114705	≈1,000 Adults	(4 lbs.)	\$330.55
1114710	≈5,000 Adults	(16.5 lbs.)	\$990.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Mealybug Parasitoid - *Anagyrus pseudococci*

Stop Destructive Mealybugs With This Beneficial Parasitoid.

Image Citation: Crerob Hermosillo, Mexico

TARGET: Citrus mealybugs, grape mealybugs, vine mealybugs, cypress mealybugs, obscure mealybugs, longtail mealybugs and most *Planococcus* and *Pseudococcus* spp.

DESCRIPTION: These solitary parasitoid wasps of mealybugs are shipped as mummies, hatch within five days of arrival and immediately begin to oviposit. Once the egg is laid inside the mealybug, the larva develops and consumes the mealybug. One female will parasitize nearly 50 mealybugs.

SUGGESTED USE (Depending upon level of infestation): Release 1 wasp/5 sq. ft. every two weeks and or field application use about a minimum of 2,000 mummies/acre monthly. Keep at room temperature to ensure emergence. Remove bottle top, place near infested areas and let wasps emerge on their own. DO NOT use near ants as they will inhibit wasp parasitism and reproduction.

Temperature: Moderate 58-90°F **Relative Humidity:** Moderate ≈40-60%

1132060	≈100 Mummies	(3 lbs.)	\$32.00
1132061	≈200 Mummies	(3 lbs.)	\$60.00
1132062	≈500 Mummies	(4 lbs.)	\$137.50

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Purple Scale Predator - *Rhyzobius (=Lindorus) lophanthae*

Voracious Adults & Larvae Feed On Scale & Other Pests!

TARGET: Specializes in purple scale, relatively thin scale covered insects and immature stages of soft scale until honeydew forms. Also predate on mealybug and other small insects.

DESCRIPTION: Also known as the Australian Ladybird Beetle. Adults are small, shiny black lady beetles. The larvae is grey and alligator shaped. Both adults and larvae feed on target pests.

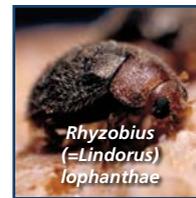
SUGGESTED USE (Depending upon level of infestation): Apply about 100/250 sq. ft. for light infestations, 100/100 sq. ft. for heavy infestations, 5 to 10 per heavily infested large plant and 20-40 per tree.

Temperature: Moderate 59-77°F **Relative Humidity:** Low-High ≈20-90%

1121501	≈100	(3 lbs.)	\$85.50
1121502	≈250	(3 lbs.)	\$160.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Red Scale Parasite - *Aphytis melinus*

Use These Parasitic Wasps On A Variety Of Armored Scale Pests!

TARGET: California red scales, citrus red scales, oleander scales, San Jose scales, ivy scales, yellow scales and other armored scale varieties.

DESCRIPTION: Shipped as adults. Females lay their eggs in host scale. Larvae hatch inside host bodies and consume and kill scale. One adult will kill about 30 scale insects in one generation. Adult parasites live approximately 26 days.

SUGGESTED USE (Depending upon level of infestation): Release about 1-2 wasps per sq. ft. or about 5,000/acre. Release weekly and 1-3 applications are usually required depending upon infestation.

Temperature: Moderate 76-85°F **Relative Humidity:** Moderate ≈40-50%

1122001	≈10,000	(3 lbs.)	\$27.00
1122002	≈25,000	(4 lbs.)	\$57.00
1122003	≈50,000	(6 lbs.)	\$109.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



If You're Unsure Which Beneficial Insect Or Predator Is Right For Your Conditions, Call One Of Our Specialists At 1-800-827-2847.



Natupol Bumblebee Hives

Put These Portable Hives Where You Need Them Most To Greatly Improve Pollination.

TARGET: For use indoors in greenhouses and hoophouses and outdoors in fields, gardens & orchards.

DESCRIPTION: By introducing gentle bumblebees to your crops, you can improve fruit quality, increase productivity, save labor costs by reducing hand pollination and provide pollination that is independent of weather conditions. These hives house the *Bombus impatiens* species of bumblebees and contain a colony with a queen, workers and brood (pupae, eggs and larvae). The Natupol Excel and Natupol Excel Startup hives replace the now-discontinued Natupol Class-A, Class-B & Class-C hives. These new hives have carefully considered innovations in design that keep the bees comfortable inside their hives and make it easier for them to enter and exit. Both have been also developed for use under artificial light and in warmer conditions to serve crops with large numbers of flowers per sq. ft.

SUGGESTED USE:

Natupol Excel: Replaces the Natupol Class-A & Class-C hives. An ideal choice greenhouses that operate consistently; especially so if they are at the beginning of the planting cycle before full bloom. Also excellent for consistently growing hydroponic operations. This hive may take longer to reach its maximum efficiency level than the Natupol Excel Startup, but will retain optimum performance over the course of time.

Covers 1,000-15,000 sq. ft. and last for about 9 weeks.

Natupol Excel Startup: Replaces Natupol Class-B hives. This larger size colony will provide intense pollination from day 1 and reach maximum efficiency rapidly, great for those crops that need heavy pollination in a short period of time. A wonderful choice for greenhouses that are near to or in full bloom and need thorough pollination immediately.

Covers 1,000-15,000 sq. ft. and last for about 9 weeks.

1530111	Natupol Excel	(10 lbs.)	\$230.00
1530112	Natupol Excel Startup	(10 lbs.)	\$165.00

Overnight Shipping Required

Cannot be shipped to the following states: HI, OR, PR, VI, GU, AS, PW

Shipments to California require that a permit application be filled out & sent to the California Department of Food & Agriculture. Please call if more information is needed.



ARBICO Organics™ Good Bug Power Meal

Beneficial Insect Attractant & Food.

TARGET: Attract and sustain beneficial insects and butterflies.

DESCRIPTION: Attract and keep beneficial insects in your garden with this balanced food supplement that is composed of proteins, fats, fibers, ash, calcium, phosphorus, sodium, amino acids, vitamins, lactose, and sucrose.

SUGGESTED USE: Dry or wet application can be made. For dry applications you can directly dust your plants. For wet applications, mix 4 oz. /1 gal. of water to treat 3,000 sq. ft. using a garden sprayer. For 1/2 acre, mix 1/2 lb. in 5-10 gal. of water. This product can also be applied as a paste or slurry. Simply add water until desired consistency is reached and use a clean foam or bristle paintbrush to apply to plants. As a nectar source, mix 1 oz. with 1 qt. of water and place in butterfly feeders.



1133001	1/2 lb. Bag	(.75 lb.)	\$6.50
1133002	1 lb. Bag	(1.5 lbs.)	\$11.50

SMALL HIVE BEETLE CONTROL

Heterorhabditis indica

Protect Your Hives From Small Hive Beetle.

Image Citation: Jessica Louque, Smithers Viscient

TARGET: Small Hive Beetles (*Aethina tumida*).

DESCRIPTION: Now, more than ever, it is important to protect our bees and other pollinators. Using Beneficial Nematodes to control hive beetles is cost effective and eco-friendly.

Heterorhabditis indica is a heat tolerant, entomopathogenic nematode that attacks pre-pupal stages of small hive beetle in the soil. By suspending the nematodes in water and applying to the soil below and around the hive, the nematodes quickly seek out the pupal stage and attack; typically entering the pest and killing it within 24-48 hours. *H. indica* are a virulent and aggressive species of nematodes and work best when the strength of the hive is maintained.

SUGGESTED USE: Remove bag from outer package and fill with water. Once filled, agitate the gel and strain over pint sized container. Once over the container, pour another half pint of water over gel to ensure all nematodes strain out. Take pint of liquid and mix into 5 gallons of water, agitate and apply to infected area. Irrigate after treatment. Use 5 million for every 10 hives.

1220200	<i>Heterorhabditis indica</i> - 5 million	\$27.00
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2nd Day Shipping Required

Cannot be shipped to the following states: HI, GU, PR, VI.



BENEFICIAL NEMATODES

What Are Beneficial Nematodes?

Beneficial Nematodes are live, microscopic organisms (non-segmented roundworms) that occur naturally in soil throughout the world. They are parasitic to insect pests that typically have a developing (larval or pupal) stage of life in the soil; however, they have been known to also parasitize above ground stages of adults, nymphs and larvae.



How Do Beneficial Nematodes Work?

1. Beneficial Nematodes are applied to soil where they locate pests, enter through orifices or body walls and infect pests with toxic bacteria. Once inside, it is not the nematode that actually kills the pest, but bacteria inside the nematode.
2. The bacteria kills pests within 24 to 48 hours. Beneficial Nematodes then feed on bacteria and host insect tissue. Adult stages of Beneficial Nematodes produce hundreds of thousands of new juveniles.
3. New infective juveniles emerge loaded with "pest killer" bacteria and begin their search for a new host. As long as their is a suitable host, the Beneficial Nematodes will continue to parasitize.



When & How Often Should Beneficial Nematodes Be Applied?

Use nematodes whenever larvae or grubs are present. As pest larvae feed on plant roots beneath the soil surface, severe damage can be done before you realize you have a pest dilemma. If adult insects are present, their eggs, nymphs, larvae and pupa will soon be developing.

FOR TREATMENT: Apply nematodes every 2 weeks until pest infestation subsides.

FOR PREVENTION: Apply at least 2-4 times per year in the spring, summer, fall and winter as needed.

How Do I Apply Beneficial Nematodes?

Since nematodes are alive and sensitive to light, apply them early in the morning or at dusk. It's easy to apply nematodes. Before applying, make sure the soil is moist.

1. Simply mix **ready-to-use Beneficial Nematodes** with water.
2. Apply pre-dawn or at dusk with a hose end sprayer (**See Chameleon Sprayer on page 18**), backpack sprayer, pump sprayer or watering can. Lightly water again after application.
3. Keep area moist for at least 2 weeks.

When Will I See Results?

Beneficial Nematodes are considered to be one of the most lethal parasites known to kill plant pests. Depending upon the pest(s) you are treating and the method of application, it can take from 2-30 days for you to see results.

It is important to remember that Beneficial Nematodes disintegrate pests from the inside out. You will not see dead insect bodies as you would with a chemical knockdown. Instead you will notice less of the pest(s) over time.

Like all insects and organisms, some nematodes will survive the winter in a dormant state; however, we recommend re-applying at least 2-4 times on an annual basis to ensure that your pests do not get out of hand again.

Easily Apply Beneficial Nematodes With The Chameleon Adaptable Hose End Sprayer. See Page 18.

NEMATODE VARIETY GUIDE – Choose Variety By Pest

Pest	Variety	Pest	Variety	Pest	Variety	Pest	Variety
Ants (Queen)	▲	Chafer - European, masked	▲	Fungus Gnats	■▲	Root Maggots	■
Armyworm	●	Citrus Root Weevil	▲	Gall Midges	▲	Root Weevils	▲
Artichoke Plume Moth	●	Codling Moth	●■	Grape Root Borer	▲	Scarabs	▲
Asparagus Beetle	▲	Colorado Potato Beetle	▲	Grubs	▲	Scarids	■
Bagworm	▲	Corn Earworm	●■	Humpbacked Flies	■	Shore Flies	■
Banana Moth	▲	Corn Rootworm	▲	Japanese Beetles	▲	Sugarcane Stalk Borer	▲
Banana Weevil	▲	Cotton Bollworm	●	Large Pine Weevil	●	Strawberry Root Weevil	●
Beet Armyworm	●■	Cranberry Girder	●	Leafminers	●■	Sweet Potato Weevil	■▲
Berry Root Weevil	▲	Cranberry Root Weevil	▲	May/June Beetles	▲	Thrips	■
Bill Bug	▲	Cucumber Beetle	●■▲	Mint Flea Beetle	●	Ticks	■▲
Black Cutworm	●■	Cutworm	●	Mint Root Borer	●	Tobacco Budworm	●
Black Vine Weevil	●▲	Fall Armyworm	●	Mole Crickets	●	Tobacco Cutworm	■
Bluegrass Weevil	●	Flea Beetles	▲	Navel Orangeworm	●	Webworms	●
Borers - Iris, Tree, Vine	▲	Fleas (Larvae, Pupae)	●	Onion Maggots	■	Wireworm	●
Cabbage Maggot	■	Fleas - Adult	▲	Pill Worm	■	Wood Borers	●
Carrot Weevil	▲	Fly Larvae	●	Raspberry Crown Borer	■		
Caterpillars	●	Fruit Flies	●■	Roaches-American, Asian, German	●		

For information about termite control, please call.



Beneficial Nematodes

- ▲ = NemaSeek™ *Heterorhabditis bacteriophora* (Hb)
- = NemaAttack™ *Steinernema feltiae* (Sf)
- = NemaAttack™ *Steinernema carpocapsae* (Sc)

SINGLE SPECIES		
SKU	Size	Price
▲ NemaSeek <i>Heterorhabditis bacteriophora</i>		
1220300	≈5 million	\$36.00
1220301	≈10 million	\$42.95
1220302	≈50 million	\$72.00
1221703	≈250 million	\$198.00
1221706	≈500 million	\$270.00
■ NemaAttack <i>Steinernema feltiae</i>		
1220309	≈5 million	\$36.00
1220310	≈10 million	\$42.95
1220311	≈50 million	\$72.00
1221701	≈250 million	\$198.00
1221704	≈500 million	\$270.00
● NemaAttack <i>Steinernema carpocapsae</i>		
1220319	≈5 million	\$36.00
1220320	≈10 million	\$42.95
1220321	≈50 million	\$72.00
1221702	≈250 million	\$198.00
1221705	≈500 million	\$270.00

COMBO PACKS		
SKU	Size	Price
▲● NemaSeek Hb & NemaAttack Sc		
1220331	≈10 mil. per species	\$60.00
1220332	≈50 mil. per species	\$125.00
1221699	≈250 mil. per species	\$340.00
1220335	≈500 mil. per species	\$655.00
▲■ NemaSeek Hb & NemaAttack Sf &		
1220333	≈10 mil. per species	\$60.00
1220334	≈50 mil. per species	\$125.00
1221700	≈250 mil. per species	\$340.00
1220336	≈500 mil. per species	\$655.00
■● NemaAttack Sf & NemaAttack Sc		
1220340	≈10 mil. per species	\$60.00
1220341	≈50 mil. per species	\$125.00
1220342	≈250 mil. per species	\$340.00
1220343	≈500 mil. per species	\$655.00

TRIPLE THREAT COMBO		
SKU	Size	Price
▲■● NemaSeek Hb, NemaAttack Sf & NemaAttack Sc		
1220328	≈5 mil. per species	\$61.00
1220330	≈10 mil. per species	\$80.00
1220329	≈50 mil. per species	\$142.00
1220327	≈250 mil. per species	\$405.00
1220326	≈500 mil. per species	\$700.00

SIZE & COVERAGE CHART

QUANTITY	COVERAGE
≈5 mil. nematodes	Treats ≈1,600 sq. ft.
≈10 mil. nematodes	Treats ≈3,200 sq. ft.
≈50 mil. nematodes	Treats ≈1 acre
≈250 mil. nematodes	Treats ≈5 acres
≈500 mil. nematodes	Treats ≈10 acres

OMRI Listed Beneficial Nematodes



- ▲ = NemaSeek™ *Heterorhabditis bacteriophora* (Hb)
- = NemaAttack™ *Steinernema feltiae* (Sf)
- = NemaAttack™ *Steinernema carpocapsae* (Sc)



SIZE & COVERAGE CHART

QUANTITY	COVERAGE
≈5 mil. nematodes	Treats ≈1,600 sq. ft.
≈10 mil. nematodes	Treats ≈3,200 sq. ft.
≈50 mil. nematodes	Treats ≈1 acre
≈250 mil. nematodes	Treats ≈5 acres
≈500 mil. nematodes	Treats ≈10 acres

OMRI LISTED SINGLE SPECIES		
SKU	Size	Price
▲ NemaSeek Pro Hb Beneficial Nematodes		
4004010	≈10 million	\$52.00
4004050	≈50 million	\$90.00
4004250	≈250 million	\$250.00
4004500	≈500 million	\$325.00
■ NemaAttack Pro Sf Beneficial Nematodes		
4006010	≈10 million	\$52.00
4006050	≈50 million	\$90.00
4006250	≈250 million	\$250.00
4006550	≈500 million	\$325.00

Hb = *Heterorhabditis bacteriophora*
 Sf = *Steinernema feltiae*
 Sc = *Steinernema carpocapsae*

OMRI LISTED SINGLE SPECIES		
SKU	Size	Price
● NemaAttack Pro Sc Beneficial Nematodes		
4005010	≈10 million	\$52.00
4005050	≈50 million	\$90.00
4005250	≈250 million	\$250.00
4005500	≈500 million	\$325.00

TRIPLE COMBO		
SKU	Size	Price
▲■● NemaSeek Pro Hb Beneficial Nematodes, NemaAttack Pro Sf Beneficial Nematodes & NemaAttack Pro Sc Beneficial Nematodes		
4007010	≈10 mil. per species	\$125.00
4007050	≈50 mil. per species	\$225.00
4007250	≈250 mil. per species	\$630.00
4007500	≈500 mil. per species	\$880.00

*Free shipping in the contiguous 48 United States. 2nd day shipping required for the 5 million - 50 million sizes. Expedited shipping available for an additional fee. The 250 million & 500 million sizes require next day shipping during summer months, 2-day shipping otherwise. Orders ship Monday - Wednesday; excluding holidays.

Cannot be shipped to the following states: HI, AK, PR, VI, GU, AS, PW

PEST INSECT TRAPS

Yellow Sticky Trap Ribbon

Positively Identify Your Pests!

TARGET: Whiteflies, aphids, leafhoppers, fungus gnats, froghoppers (spittlebugs), flies and more.

DESCRIPTION: This pre-coated yellow strip, 100 feet long and 6 1/4 inches wide, is sticky on both sides in a 6-inch pattern. This trap can reduce or eliminate the use of chemicals.

SUGGESTED USE: It can be used in a greenhouse, placing it close to the upper vents where it will trap incoming insects. The Yellow Ribbon Trap can also be set around the perimeter of a field to trap migrating insects or in the rows between plants. It is recommended for foliage crops, grapes, leaf crops or nurseries as well as greenhouses.

- 1253201** Yellow Sticky Trap Ribbon - 100 ft. x 6" Roll (3 lbs.) **\$29.50**
- 1253202** Yellow Sticky Trap Ribbon - (2 ea.) 100 ft. x 6" Roll (6 lbs.) **\$57.50**
- 1253203** Yellow Sticky Trap Ribbon - (3 ea.) 100 ft. x 6" Roll (10 lbs.) **\$80.25**



Yellow Stiky™ Tape

Longer Length Tape To Cover Even More Area.

TARGET: Whiteflies, aphids, leafhoppers, fungus gnats, froghoppers (spittlebugs), flies and more.

DESCRIPTION: When you have an insect population in a large area that you need to monitor and trap, this sticky tape is the choice for you. It will work well against aphids, thrips, flies, gnats and many others. Pre-coated with adhesive on both sides, this yellow tape is 530' long and comes in 4 convenient widths (2", 6", 10" & 12"), making it perfect for a variety of locations. You'll also find that the extra thick cardboard flanges and heavy duty plastic plugs make these rolls easy to work with and the product easy to dispense. You can loop these along the perimeter of fields, inside greenhouses, barns, corrals, stalls or any other area where you need insect control. Any unwanted pests or other residue can be removed with vegetable oil or CitraSolv® (available online).

SUGGESTED USE: Loop along the perimeter of fields, inside greenhouses, barns, corrals, stalls or any other area where you need insect control.

- 1259610** 2" wide x 530' long (2.6 lbs.) **\$44.00**
- 1259611** 6" wide x 530' long (8.8 lbs.) **\$90.00**
- 1259612** 10" wide x 530' long (15 lbs.) **\$125.00**
- 1259613** 12" wide x 530' long (16.2 lbs.) **\$175.00**

*Larger quantities available.



Olson Garden Guard Yellow Stiky™ Ribbon



This Ribbon Is Just Right For Encompassing Small Gardens.

TARGET: Whiteflies, aphids, beetles, leafhoppers, thrips and most flying insects.

DESCRIPTION: Made for trapping and monitoring, Olson Garden Guard provides another weapon in the sticky trap war on insect pests. Pre-coated with Stiky Stuff adhesive, this narrow (2" wide) and long (100 ft.) roll is ideal as a perimeter barrier; use two levels of ribbon to form a formidable fence of stickiness. Comes packaged in a heavy duty plastic flange for easy dispensing.

SUGGESTED USE: Drive some stakes (not included) into the ground and wrap the ribbon around them and loop from one stake to another. To create a "fence" around your garden, place one row of ribbon at 1 ft. off the ground and another 2 ft. higher. Adhesive can be removed with vegetable oil, soap and water, and we recommend using vinyl gloves while handling ribbon for additional ease in cleanup.

- 1259605** Garden Guard Yellow Stiky Ribbon - 2" x 100 ft. (1 lb.) **\$14.25**



Tanglefoot® Tangle-Trap® Sticky Coating



Create New Traps Or Re-Use Old Ones To Control & Monitor Pest Insects.

TARGET: Ants, flies, beetles and other insects.

DESCRIPTION: This OMRI listed, versatile brush-on adhesive is ready-to-use to control and monitor pest insects. It can be used to re-coat old traps for continued use or to coat new traps. Apply to commercially made traps or create your own from almost any non-porous material. This clear and odorless product will not interfere with any color attractants or lures you may choose to use.

SUGGESTED USE: For ease of use, use at temperatures above 60°F. Apply a thin (1/16" or 1.6 mm) coating to trap surface. Tie up your trap or attach to a stake and place in desired location in your garden, greenhouse, yard, orchard or field. Suspending traps in the air will help to avoid accidental contact with children or pets.

- 1266020** Sticky Coating - 8 oz. Brush-On Can (.75 lb.) **\$10.79**
- 1266025** Sticky Coating - Case of 8 oz. Cans/12 Ct. (6.5 lbs.) **\$105.50**



**To Shop All Pest Insect Traps
Visit arbico-organics.com**

Stiky™ Strips Yellow Insect Traps

These Basic Traps Come With A Handy Wire Hanger.

TARGET: Whiteflies, aphids, fungus gnats, leafminers, thrips, and more.

DESCRIPTION: This non-gridded yellow sticky trap is versatile enough to use virtually anywhere you are growing. Many insects find this particular yellow hue irresistible and, with glue on both sides, these traps will grab them coming and going. The adhesive is UV resistant, which keeps it from drying out.

SUGGESTED USE: For use in homes, gardens, greenhouses, nurseries and fields. Included wire hangers can also be used as plant stakes.

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| 1254301 | Stiky Strips Yellow Sticky Traps - 9 pack | (.25 lb.) | \$5.49 |
| 1254302 | Stiky Strips Yellow Sticky Traps - (5) 9 packs | (1.25 lbs.) | \$25.00 |
| 1254303 | Stiky Strips Yellow Sticky Traps - (10) 9 packs | (2.5 lbs.) | \$45.00 |



BioCare® Gnat Stix

An Effective Treatment For A Variety Of Small Pests Infesting Indoor Plants!

TARGET: Fungus gnats, aphids, plant lice & more!

DESCRIPTION: Effective for even the worst infestations of fungus gnats. Use one Gnat Stix for each infested plant in adjacent rooms or hallways.

SUGGESTED USE: Peel release paper on yellow sticky sheet. Slide stick through the holes in the sticky sheet. Use one sticky strip on each stick. Place in the soil of plants. Avoid leaves coming in contact with sticky paper.



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| 1280501 | Gnat Stix - 12 Per Pack | (.25 lb.) | \$6.65 |
| 1280502 | Gnat Stix - 12 Per Pack-Pack of 2 | (1 lb.) | \$11.50 |
| 1280503 | Gnat Stix - 12 Per Pack-Pack of 4 | (1 lb.) | \$20.50 |

Stiky™ Plant Stakes

Knock Out Those Pesky Little Fliers Around Your Plants!

TARGET: Whiteflies, fungus gnats, thrips, midges and other flying insects.

DESCRIPTION: Provide 24-hour protection from flying insects with these simple to use and effective sticky traps. The bright yellow color lures insects in and the super-strong Sticky™ adhesive keeps them there. Remove the protective paper from the 2" x 7" plant stake and insert trap into your pots or bedding. These are coated with glue on one side; insert trap into soil with the adhesive side facing the plant. This will keep the dead insects out of sight.

SUGGESTED USE: For use indoors or outdoors in potted plants, containers or garden beds. Simply remove the protective paper coating and insert the Plant Stake, adhesive side toward the plant, into the soil on the edge of the pot.

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| 1254320 | Stiky Plant Stakes - 10 pack | (.5 lb.) | \$3.95 |
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ARBICO Organics™ Yellow Insect Traps



Monitoring + Trapping = Effective Pest Control

TARGET: Use against aphids, bean beetles, California Laurel aphids, flea beetles, fungus gnats, Greenhouse Whiteflies, leafminers, psyllids, shore flies, Silverleaf Whiteflies, Sweet Potato Whiteflies and more.

DESCRIPTION: ARBICO Organics Yellow Insect Traps are 5" x 7" gridded, 2-sided adhesive traps for a wide range of crawling and flying insect pests.

Insects are drawn in by the bright color and are caught on the glue. Once they are trapped, the gridded surface makes it easy to count just how many have landed. Having the insects immobilized on the trap also makes it easy to identify them. There is a very low risk to beneficials, but some may become caught by accident.

SUGGESTED USE: For use indoors and outdoors to trap and monitor insect pests. Traps may be hung virtually anywhere, placed on the ground or inserted into included stake. If hung, traps should be slightly above the plant canopy.

- For trapping in the greenhouse or garden, use roughly one trap per 25-50 sq. ft.
- For monitoring, use roughly one trap per acre.

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| 1254501 | ARBICO Organics Yellow Insect Traps - 5 Pack | (.2 lb.) | \$4.25 |
| 1254502 | ARBICO Organics Yellow Insect Traps - 10 Pack | (.4 lb.) | \$8.00 |
| 1254503 | ARBICO Organics Yellow Insect Traps - 25 Pack | (1 lb.) | \$18.75 |
| 1254504 | ARBICO Organics Yellow Insect Traps - 50 Pack | (2 lbs.) | \$35.00 |
| 1254510 | ARBICO Organics Yellow Insect Traps - 100 Pack | (4 lbs.) | \$65.00 |



Sticky Traps

Monitor & Trap For Best Pest Identification!

DESCRIPTION: These 4" x 7" traps reverse fold to capture insect pests on both sides and include a twist tie and punched hole for easy hanging. All natural and weatherproof.

Aphid/Whitefly Yellow Sticky Traps:

TARGET: Whiteflies, aphids, leafhoppers, fungus gnats, spittlebugs, flies and more.

SUGGESTED USE: Greenhouses, orchards, row crops, barns and more. Hang or attach to stake approx. every 7 ft. at the end of each row or per tree. Use more for trapping.

Thrips/Leafminer Blue Sticky Traps:

TARGET: Thrips, leafminers.

SUGGESTED USE: Greenhouses, orchards, row crops, barns and more. Hang or attach to stake approx. every 7 ft. at the end of each row or per tree. Use more for trapping.

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| 1254001 | Package of 5 Yellow Traps | (.25 lb.) | \$4.49 |
| 1254101 | Package of 5 Blue Traps | (.25 lb.) | \$5.50 |



Mycotrol® WPO

A New Formulation For A Reliable Favorite!

TARGET: Adult and immature stages of whiteflies, thrips, aphids, psyllids, weevils, mealybugs, leafhoppers/plant hoppers, scarab beetles and plant bugs (*Heteroptera*) and more.

DESCRIPTION: Mycotrol WPO is a mycoinsecticide – wettable powder that contains live spores of the naturally occurring fungus, *Beauveria bassiana*. In fact, this formulation contains the highest concentration of any insecticide containing *Beauveria*. These spores adhere to the host insect and use enzymes to attack and ultimately dissolve the cuticle that surrounds and contains the body cavity. This fungal penetration will ultimately kill the unwanted insects but will not harm beneficials.

SUGGESTED USE: For use in greenhouses, nurseries, landscape and interiorscape settings. Mycotrol WPO can be used for a wide range of vegetables, fruits and berries, herbs and spices, ornamentals, ground covers, trees and turf. Apply Mycotrol WPO using hand-held, ground spray equipment and/or low volume application equipment.

1332785	Mycotrol WPO - 1 lb.	(2 lbs.)	\$98.00
1332795	Mycotrol WPO - 1 lb. (Case of 12)	(24 lbs.)	\$1,070.00



Mycotrol® ESO

A WSDA Certified *Beauveria bassiana* Insecticide In A Convenient Liquid.

TARGET: Orthoptera species, whiteflies, aphids, thrips, psyllids, mealybugs, leafhoppers, borers, foliage-feeding Lepidoptera, leaf-feeding beetles, Scarab beetles, Heteroptera species, weevils and more.

DESCRIPTION: Mycotrol ESO has the same *Beauveria bassiana* as Mycotrol WPO, but in a liquid emulsifiable suspension formula. Both products give you exceptional insect control that exceeds or equals any chemical insecticide. With the wide range of crops and sites that this product can be used on, and the fact that it is effective in all stages of an insect's life, you will find it to be versatile and cost effective. Can be used up to the day of harvest with a 4-hour REI (Restricted Entry Interval), which is just about the length of time for it to dry on a plant.

SUGGESTED USE: Mix well to form an emulsion. Apply using hand-held, ground and/or aerial spray and low volume application equipment. Make applications at the lowest height that is safe to reduce exposure of droplets to evaporation and wind. Spray to wet, but avoid run-off. Typically, it takes 7-10 days after the first spray to see control.

1332781	1 Quart	(3 lbs.)	\$96.50
1332782	1 Gallon	(10 lbs.)	\$349.00

*Case sizes available.



Beauveria bassiana

Beauveria bassiana is an entomopathogenic fungi that causes white muscadine disease in a range of insects including whiteflies, aphids, thrips, grasshoppers and certain types of beetles. *B. bassiana* spores simply need to come in contact with a host. Once the host insect is infected, the fungus rapidly grows inside of the insect, feeding on the nutrients present in the host's body and producing toxins in the process. When the host dies, the *B. bassiana* covers the carcass in a layer of white mold that produces more infective spores.

BotaniGard® ES & BotaniGard® 22WP *Beauveria bassiana* Strain GHA

Controls A Wide Variety Of Soft-Bodied Insects In Greenhouse, Field & Nursery.

TARGET: A wide variety of soft-bodied insects such as whiteflies, thrips, aphids, psyllids, mealybugs, scarab beetles, plant bugs and weevils.

DESCRIPTION: BotaniGard ES is a natural contact insecticide that contains a liquid emulsified suspension of the mycoinsecticide – *Beauveria bassiana* Strain GHA, which controls many varieties of soft-bodied insects in greenhouse, field and nursery crops.

SUGGESTED USE: Thorough coverage is required to achieve control. Apply in 7 day intervals. However, if pest population is high, it can be applied in 3-5 day intervals totaling 3 applications.

Application Rates of BotaniGard ES

- For whiteflies and aphids, use about .5-1 qt./100 gal. of water.
- For thrips, use about 1-2 qts./100 gal. of water.
- For other insects, use about .5-2 qts./100 gal. of water.
- If applying as a high or low volume spray, use up to 3 qts./100 gal. of water to cover an area of 5,000-20,000 sq. ft.

Application Rates of BotaniGard 22WP

- For whiteflies and aphids, use 1/2-1 pound of BotaniGard 22WP per 100 gallons water.
- For thrips, use 1-2 pounds of BotaniGard 22WP per 100 gallons water.
- For other labeled insects, use 1/2 to 2 pounds of BotaniGard 22WP per 100 gallons water.
- Rate depends upon infestation level, consult package instructions before application.

BotaniGard ES

1332801	1 Quart	(3 lbs.)	\$84.00
1332799	1 Gallon	(10 lbs.)	\$260.00

BotaniGard 22WP

1332800	1 lb. Powder	(2 lbs.)	\$88.00
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Case sizes available.

Shipping Restrictions: Cannot ship via US Mail.



SoluNeem®

Get The Benefits Of Neem Without The Odor In This Water-Soluble Powder!

TARGET: Whiteflies, aphids, sawflies, caterpillars, beetles, scale insects, mole crickets, mushroom flies, leaf miners, mealybugs, psyllids, bugs, flies, beetles, weevils, borers and more.

DESCRIPTION: Made from organic neem seed kernel extract, this is the world's first water-soluble, neem-based bio-insecticide powder. This OMRI listed formula uses a patented process to allow a highly concentrated version of Azadirachtin to readily mix with water. This provides all the benefits of neem products without the odor, stickiness, residue, or need for added solvents. Not harmful to birds, mammals or beneficials.

SUGGESTED USE: Can be applied via soil drench, spray, sub-surface treatments, tree injection and in hydroponics and chemigation systems. Can be applied to soil-less media. Use in a fogger to repel adult flies. Drip applications: Established plants-5 grams/5 gallon container. Spray applications: 1 tsp/1 gal water/1000 sq. ft. to 4 tsp/1 gal water/1000 sq. ft. Apply 2-3 times at 7-20 day intervals, unless otherwise indicated.

1457600	SoluNeem .25 oz. Pouch (5 tsp.)	(.25 lb.)	\$15.95
1457601	SoluNeem .75 oz. Pouch (15 tsp.)	(.25 lb.)	\$35.00
1457610	SoluNeem 6 oz. Bag (8 ct./1.75 oz. pouches)	(.25 lb.)	\$275.00



Organic JMS Stylet-Oil®

Smother Overwintering Insect Pests & Mites With This Food Grade Dormant Oil!

TARGET: Powdery mildew, mites, whiteflies, leafminers and insect transmitted diseases.

DESCRIPTION: Use this multi-purpose, year-round fungicide, insecticide and antiviral spray oil in greenhouses, on field crops and on fruit trees. Kills powdery mildew on contact and prevents occurrence for up to 14 days and controls mites, whiteflies and leafminers. Made from paraffinic oil that exceeds standards set by the FDA for "Food Grade Quality." Has a high purity level of ≈99.1% (UR) for formations with an industry-high emulsifier content of ≈2.9% (v/v) and is colorless, tasteless and odorless. 4-hour re-entry interval; no pre-harvest interval.

SUGGESTED USE: For gardens, apply approx. 3 Tbsp./gal. water with a sprayer. For larger areas, apply about 1-2 gal./100 gal. water and use 25-150 gal. of dilute/acre depending on crop, timing and desired treatment. Apply weekly or bi-weekly depending on severity of condition. Begin at the onset of plant growth, fungus emergence, disease and insect infestation. See label online for detailed rates and instructions.

1274107	1 Gallon	(10 lbs.)	\$36.00
1274108	2.5 Gallons	(25 lbs.)	\$51.00
1274109	15 Gallon Drum*	(150 lbs.)	CALL
1274110	30 Gallon Drum*	(300 lbs.)	CALL
1274111	275 Gallon Tote*	(2,752 lbs.)	CALL

*Call for freight quote.

This product cannot be shipped to the following states: AR, DC, IL, IN, IA, KS, KY, LA, MN, MS, MT, PR, RI, SD, TN, UT, WV, WI, WY (15 and 30 gal. sizes not available to OR)



BONIDE® Neem Oil RTU & Concentrate

Three Great Products In One – A Fungicide, Insecticide, & Miticide.

TARGET: As an insecticide/miticide on eggs, larvae and adults of aphids, spider mites, scale, whiteflies, beetles, leafroller, etc. As a fungicide on various diseases including powdery mildew, black spot, downy mildew, anthracnose, rust, leaf spot, *Botrytis*, needle rust, scab, twig and tip blight, and *Alternaria*.

DESCRIPTION: Derived from the Neem seed, this concentrated oil is an excellent pest and disease control choice for use on many plants including roses, flowers, vegetables, herbs, spices, houseplants, trees, turf and shrubs. Can be used on contact for existing pests/diseases and as a dormant spray to control overwintering pest eggs. Can be used until day of harvest.

SUGGESTED USE:

- Insecticide:** Mix 2-4 tablespoons (1-2 fl. oz.) per 1 gallon of water thoroughly and spray all plant surfaces, including underside of leaves, until completely wet.
- Fungicide:** For present disease, use at 7-14 day intervals, and for prevention and continued control use at 14 day intervals.

Caution: This product is toxic to bees exposed to direct treatment.

1246602	BONIDE Neem Oil RTU - 1 Quart	(2 lbs.)	\$11.89
1246603	BONIDE Neem Oil Concentrate - 1 Pint	(1 lb.)	\$17.98



Monterey 70% Neem Oil

Effective Against Indoor & Outdoor Insect Pests & Fungal Diseases!

TARGET: Use as an insecticide/miticide and/or fungicide on a wide range of ornamental plants, vegetables, trees and shrubs, as well as fruit and nut crops.

DESCRIPTION: Insecticide/Miticide Use:

Controls spider mites, aphids, whiteflies, scale, beetles, leafrollers and other insect pests. **Fungicide Use:** Effective against powdery mildew, black spot, downy mildew, anthracnose, rust, leaf spot, *Botrytis*, needle rust, blights and *Alternaria*.

SUGGESTED USE: Insecticide/Miticide Use: Mix rate: 1-2 oz./gallon of water. Thoroughly spray all plant surfaces (including the undersides of leaves) until wet. **Fungicide Use:** Apply every 7-14 days; for heavy infestation, apply every 7 days. Use 1 oz./gallon of water & thoroughly spray all plant surfaces until wet. Apply on a 7-14 day schedule until control is achieved.

1555615	32 oz. RTU Spray Bottle	(2.5 lbs.)	\$12.50
1555614	1 Pint Concentrate	(1.5 lbs.)	\$19.90

RTU cannot be shipped to the following states: ME, ND, RI, VT, WY



Green Cleaner

An Industry Favorite Because It Works So Well!

TARGET: Soft-bodied insects including spider mites, aphids, whiteflies, broad mites & russet mites. Also effective against powdery mildew.

DESCRIPTION: The mixture of Soybean oil, Sodium Lauryl Sulfate, alcohol and Citric acid in Green Cleaner creates a killer combination for insect pests. The oils coat the insects to suffocate or limit spore reproduction and the alcohol and citric acid dehydrates and kills insects. This process affects the mature bugs and their eggs, so the potential for insecticide resistance in future generations is effectively eliminated. You can use Green Cleaner in every stage of plants' lives: as a dip for new cuttings, as a foliar spray during all stages of growth and to prevent cross-contamination when outsourcing plant starts.

SUGGESTED USE: As an insecticide, fungicide or miticide. For use on horticultural plants; not for use on feed or feed crops. Apply with any sprayer (high pressure preferred). Initial drench-2 oz. per gal.; secondary application-1 oz. per gal. (apply every 1-2 days) and weekly maintenance-1/2 oz. per gal. Apply at a rate of -1/2 oz. per gal.

1458050	2 oz. - Makes up to 4 Gallons	(1 lb.)	\$17.99
1458051	4 oz. - Makes up to 8 Gallons	(1 lb.)	\$27.99
1458052	8 oz. - Makes up to 16 Gallons	(1 lb.)	\$54.00

*Larger sizes available.

Cannot be shipped to the following states: AL, AR, DC, IA, IL, IN, KS, LA, MO, MS, ND, NM, OK, SD, TN, UT, WI, WV, WY



SNS 209 All Natural Systemic Pest Control Concentrate

This NOP Compliant Insecticide Works From The Inside Out.

TARGET: For use against spider mites, whiteflies, fungus gnats, thrips, root aphids, scales and more.

DESCRIPTION: This unique product formula contains rosemeric acid, a derivative of the rosemary plant, that the plant will uptake and spread throughout its structure. The presence of this acid in the plant cells forms a barrier that insects find distasteful. Once a feeding insect comes in contact with the rosemeric acid, they retreat and look for a more suitable food source. Contact with rosemeric acid can be fatal depending on the size of the pest affected and that pest's maturity. SNS-209 stays in the plant's leaves, stems and roots and can't be diluted by the elements. This provides complete protection for all parts of the plant.

SUGGESTED USE: This product may be used as a foliar spray or as a root drench. Use daily or every few days until it begins working in 1-2 weeks. It will be effective for up to 3 weeks. Discontinue use once it starts working and then reapply every 14-28 days as needed. Do not overuse.

1459100	1 Pint	(1.75 lbs.)	\$24.00
1459102	1 Gallon	(9.5 lbs.)	\$110.00



Debug® Turbo

Controls Over 200 Pest Insects, Plant Parasitic Nematodes & Other Plant Pathogens.

TARGET: Red ants, cutworms, grubs, chinch bugs, crickets, aphids, whiteflies, thrips, beetles, leafhoppers, fruit worms, spider mites, caterpillars, cabbage loopers, armyworms, Colorado potato beetles, diamondback moths, grasshoppers, maggots, weevils, chafers, spider mites, spittlebugs, webworms, *Rhizoctonia solani*, *Scletorium rolfisii*, *Sclerotinia sclerotiorum*, *Fusarium oxysporum*, rust, and powdery mildew.

DESCRIPTION: OMRI Listed Debug Turbo is an insecticide, fungicide, miticide, and nematocide. Use to control insects in various stages of development, repel insects from entering treated areas and to deter insects from feeding on treated surfaces. It also acts as a growth regulator when ingested by young insects. Debug Turbo has a high concentration of active ingredients, including azadirachtin, tri-terpenoids and neem oil. It has a low REI and PHI (pre-harvest Intervals) and can be used without harm to beneficial insects.

SUGGESTED USE:

Home & Garden

Shake container of Debug Turbo well before use. Mix 2 Tbsps. (1 oz.) of Debug Turbo with 32 oz. of water in spray container. Spray mixture on leaves, stems, and underside of leaves making sure to completely saturate the plant. Apply in early morning or late evening with temperatures less than 95°F. For best results apply weekly; do not water leaves for 24 hours after application.

Lawn Care

Shake container of Debug Turbo well before use. Add 1-3 oz. of Debug Turbo in a 2 gal. of water. Apply with the Chameleon Adaptable Hose End Sprayer. (See below). Mix and spray on 100 sq. ft. of lawn before irrigating. Apply in early morning or late evening with temperatures less than 95°F. Use diluted material, do not save unused mix for later use.

1450500	Debug Turbo - 1 Quart	(2.5 lbs.)	\$64.25
1450505	Debug Turbo - Case of 10 Quarts	(26 lbs.)	\$556.00
1450510	Debug Turbo - Case of 4 Gallons	(37 lbs.)	\$800.00

Debug Turbo is registered for sale in the following states: AZ, CA, CO, FL, HI, MD, ME, NC, NV, OR, PA, TX, VA, WA, WI

Chameleon Adaptable Hose End Sprayer

Perfect Application!

DESCRIPTION: The Chameleon Adaptable 32 oz. Hose End Sprayer features three different spray positions and a quick connect adapter.

SUGGESTED USE: Application of natural biologicals, fertilizers, amendments, insecticides, herbicides & fungicides.



1800006	1 Sprayer	(2 lbs.)	\$14.75
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BotaniGard® MAXX

Beauveria bassiana & Pyrethrins Make A Powerful Team!

TARGET: Whiteflies, aphids, thrips, psyllids, spider mites, mealybugs, leafhoppers, weevils, borers and other leaf-feeding insects.

DESCRIPTION: This potent biorational formulation provides a quick knock-down of insect and mite pests. The two active ingredients, *Beauveria bassiana* and Pyrethrins, work independently, yet in harmony, to provide multiple mechanisms to kill harmful insects. The pyrethrins will attack the nerve cells of the insect and the *Beauveria bassiana* strain GHA fungal spores penetrate an insect's protective cuticle and destroy it from within.

SUGGESTED USE: Can be applied at a rate of up to 2 quarts per 100 gallons of water, however most target insects can be controlled at a rate of 1 quart per 100 gallons of water, 1/2 quart per 50 gallons of water or 1 pint per 25 gallons of water. For best results, use as soon as insect pests are spotted, before their population becomes too large. Results can generally be seen within 2-5 days after the first spraying. Do not reapply within 3 days, unless the infestation is extreme. If this is the case, wait 24 hours for reapplication.

1332820	1 Quart	(3 lbs.)	\$85.50
1332821	1 Gallon	(9.5 lbs.)	\$278.00
1332822	2.5 Gallons	(25 lbs.)	\$585.00

Call for case pricing.

Cannot be shipped to the following states: CA



PyGanic® Gardening

Rapid Knockdown & Kill For Outdoor Pests In Your Garden.

TARGET: Over 100 listed pests, including aphids, beetles, caterpillars, crickets, fruit flies, fungus gnats, mites and thrips.

DESCRIPTION: This updated version of PyGanic offers the same ingredients and results as PyGanic 1.4. Pyrethrins, the active ingredient here, have been used safely and effectively for millennia. This formulation can be applied in a variety of ways, making it easy to use no matter what size your garden is. Spraying should begin when the insects first appear, not when they are already heavily infested. Thoroughly cover all plant surfaces. This OMRI listed, NOP compliant insecticide can be used throughout your growing season and up to the day of harvest.

SUGGESTED USE: For use on outdoor gardens and growing areas. Not for use indoors. Not for use on plants grown for sale. Do not exceed the maximum application rates of 1.4 fl. oz. per 1,000 sq. ft. or 59 fl. oz. per acre.

1288710	PyGanic Gardening - 8 oz.	(1 lb.)	\$20.50
1288720	PyGanic Gardening - 32 oz.	(3 lbs.)	\$49.50
1288730	PyGanic Gardening - 1 gal.	(9 lbs.)	\$183.50



Monterey Take Down Spray

A Mix Of Pyretherins & Canola Oil For Affordable, Effective Insect Control!

TARGET: Aphids, beetles, caterpillars, ants (except fire ants, harvester ants, carpenter ants & pharaoh ants), mealybugs, mites, leafhoppers, scale, whiteflies, adelgids, plant bugs, fungus gnats, thrips, sawfly larvae, psyllids, spittlebugs & phylloxera.

DESCRIPTION: This spray works on a broad spectrum of insect pests and will attack ALL stages of insect life – eggs, larvae & adults. With canola oil and pyrethrin as active ingredients, you have a spray that will knock them down and hold them down. Can be used as a dormant or growing season spray and does not persist in the environment. Safe to use up to the day of harvest.

SUGGESTED USE: With concentrate formula, mix in either 1% or 2% solution as follows. **1% Solution:** Mix 2 tsp. of concentrate with 1 qt. water or 1 fl. oz. of concentrate with 3 qts. of water. **2% Solution:** Mix 4 tsp. of concentrate with 1 qt. of water or 2 fl. oz. with 3 qts. of water. Shake or stir frequently during use.

1257915	Take Down Garden Spray Concentrate - 1 Pint (1.65 lbs.)	\$15.25
1257917	Take Down Garden Spray RTU - 1 Quart (3 lbs.)	\$10.98

Concentrate cannot be shipped to the following states: DC, ND, SD, WY
RTU cannot be shipped to the following states: DC, FL, ND, OK, SD, WY



Azera® Gardening

This Unique Mix Of Azadirachtin & Pyrethrins Offers Exceptional Insect Control.

TARGET: This product will kill the larval, pupal and adult stages of a broad spectrum of over 200 listed insects.

DESCRIPTION: This organic pesticide couples two powerhouses (Azadirachtin and Pyrethrins) to fight both hard-bodied and soft-bodied insects. Hard-to-kill insects will not get past Azera; they will succumb to the quick knock-down kill or perish more slowly once they ingest it. One of these two processes will kill all stages of an insect's life (larval, pupal and adult), effectively eliminating all future generations. This OMRI listed product is hard on insects and soft on the environment.

SUGGESTED USE: Apply Azera as soon as insects appear; do not wait until plants are heavily infested. Apply with any powered or manual pesticide application equipment. The most commonly used rate of application is 2 pints per acre (32 fl. oz. = 946 ml.) Higher populations of adults and/or hard to kill insects may require 3 pints per acre (48 fl. oz. = 1.42 L) or 3.5 pints per acre (56 fl. oz. = 1.66 L.).

1288740	Azera Gardening - 8 oz.	(1 lb.)	\$37.25
1288750	Azera Gardening - 32 oz.	(3 lbs.)	\$91.25
1288760	Azera Gardening - 1 gal.	(10 lbs.)	\$341.00



CATERPILLAR CONTROL



Tomato Hornworm Caterpillar

Monterey B.t.



An Easy-To-Use Solution For Controlling Caterpillars, Loopers & More!

TARGET: Cabbage looper, imported cabbage worm, tomato hornworm and bagworm, spring cankerworm, fall cankerworm, gypsy moth, tent caterpillar, elm spanworm and fall webworm on trees and ornamentals.

DESCRIPTION: This biological insecticide contains *Bacillus thuringiensis* subspecies *kurstaki* strain SA-12 solids, spores and Lepidopteran active toxins that when eaten by worms or caterpillars will halt feeding resulting in death. It will not effect birds, earthworms, or beneficial insects such as honeybees and ladybugs when used as directed.

SUGGESTED USE: Apply when infestations are in first stages, making applications every 5-7 days until control is reached. Apply directly to all sides of foliage that is being affected by target pest. Can be applied with a hand sprayer or a hose-end sprayer and can be used up to and on the day of harvest. Fully mix with water and continue agitation during applications and reapply if heavy rain occurs after application. For fruits and vegetables, mix about 2-3 fl. oz. per gallon of water for about 1,000 sq. ft. For ornamentals and trees, mix about 2 fl. oz. per 3 gallons of water.

1201210	Monterey B.t. Concentrate - Pint	(2 lbs.)	\$12.50
1201211	Monterey B.t. Concentrate - Quart	(3 lbs.)	\$19.75
1201212	Monterey B.t. Concentrate - Gallon	(10 lbs.)	\$70.00

Cannot be shipped to the following states: ND, WY



i Moth Egg Parasites - *Trichogramma spp.*

Caterpillars are perhaps the most devastating pest of garden crops, devouring many times their weight. Moth Egg Parasites can be used to help control these devastating populations. They work by parasitizing the eggs of the caterpillars before they emerge. We have 4 species available to control over 200 pests including borers, webworms, loopers, cutworms and more. Timing your release is important. See page 8 for more information.

DiPel® DF Dry Flowable



Bacillus thuringiensis var. kurstaki

TARGET: Caterpillar larvae.

DESCRIPTION: DiPel DF is a dry, flowable formulation that is dust-free and easy to measure and mix. Easy-to-use in hose end sprayers, pump sprayers, as well as in irrigation and fertigation systems. Use a spreader-sticker (such as Therm X-70™ available online) for hard-to-wet crops.

SUGGESTED USE: 1/2 - 4 teaspoons per gallon of water depending on infestation.

1207005	DiPel DF - 1 lb.	(2 lbs.)	\$24.75
1207004	DiPel DF - 5 lb.	(6 lbs.)	\$119.50

Ships Via Ground Only

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



BONIDE® Thuricide - Liquid Concentrate

Bacillus thuringiensis var. kurstaki

TARGET: Control of caterpillars.

DESCRIPTION: Use Thuricide to control caterpillars that are causing excessive damage. This easy to mix and easy-to-use liquid can be sprayed on any plant that you would like to protect. Can be used on fruits, vegetables, and ornamentals and can be used up to the day of harvest. Use weekly until the infestation is under control.

SUGGESTED USE: Easy-to-use for all spray applications, just mix 1-4 tsp. per gallon of water and apply to plants. It is important to target the underside and top of leaves to ensure good coverage. The mix rate you use is dependent on the level of infestation - there is no harm to the plant if you use a stronger mix rate.

1201201	8 oz. Concentrate	(1 lb.)	\$10.97
1201202	16 oz. Concentrate	(2 lbs.)	\$18.00

Cannot be shipped to the following states: HI, PR, VI, GU, AS, PW



Sluggo®



Wipes Out Slugs & Snails!

TARGET: Snails and slugs.

DESCRIPTION: Made from a mix of biodegradable wheat gluten attractant and naturally occurring iron phosphate, this product will help control pest snails or slugs. Once consumed, it interferes with calcium metabolism which inhibits feeding and causes death in about 3-6 days.

SUGGESTED USE: Apply about 0.5-1 lb./1,000 sq. ft. or 20-40 lbs./acre.



1271109	Sluggo 2.5 lb. Jug	(3 lbs.)	\$15.75
1271104	Sluggo 40 lb. Bag	(41 lbs.)	\$138.95

Larger quantities available.



Garden Snail

Monterey All Natural Snail & Slug Spray RTU

Stops Slugs & Snails From Damaging Your Garden!

TARGET: Snails and slugs.

DESCRIPTION: Made from a blend of rosemary, sesame, peppermint, thyme, cinnamon and garlic this easy-to-use spray can be used to control on contact or can be used preventively as a repellent. It can be used in most seasons and can be applied until day of harvest.

SUGGESTED USE: Apply to fruits, vegetables, citrus and ornamentals directly to pests or directly to plants that they are feeding on. For best results, apply at onset of infestation, in the evening and use repeatedly as needed.



1271120	Quart RTU	(3 lbs.)	\$11.50
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Cannot be shipped to the following states: AK, AL, AR, CO, DC, DE, IA, ID, IN, KY, LA, MD, ME, MI, MS, MT, NC, ND, NH, NM, NV, OH

BONIDE® Slug Magic

Control Slugs With This Easy-To-Use & Convenient Size Of Iron Phosphate.

TARGET: Slugs.

DESCRIPTION: This is a biodegradable product that consists of a naturally occurring mineral – iron phosphate. Once slugs or snails ingest Slug Magic, they stop eating, and die within days. It can be used in fruit and vegetable gardens up to the day of harvest.

SUGGESTED USE: 1 lb. treats 1,000 sq. ft., the pellets remain active for 2 weeks – rain or shine.

1271101	Slug Magic - 1 lb.	(2 lbs.)	\$13.75
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Cannot be shipped to the following states: DC, PR



Slug Saloon

This Will Be A Slug's Last Drink!

TARGET: Slugs.

DESCRIPTION: Use this rugged, low-maintenance trap for years of effective slug control. The food-grade malted barley bait is child & pet safe but irresistible to slugs, who are lured in by the smell and drown in the broth. Each bait lasts for 30 days. Trap comes with one bait, measuring spoon and instructions.

SUGGESTED USE: Either place on or sink into the ground one trap for every 10 sq. ft. Bait should be emptied and refilled every 3-4 days.



1272003	Trap w/1 Month Bait Supply	(1 lb.)	\$7.45
1272012	2 Traps plus 4, 3-Month Baits	(3 lbs.)	\$35.00
1272013	5 Traps plus 10, 3-Month Baits	(6 lbs.)	\$80.00
1272014	10 Traps plus 20, 3-Month Baits	(12 lbs.)	\$153.00
1272009	1, 3-Month Bait Refill	(1 lb.)	\$7.75
1272010	5 Pack, 3-Month Bait Refill	(6 lbs.)	\$36.25
1272011	10 Pack, 3-Month Bait Refill	(12 lbs.)	\$67.50

Snailer Snail & Slug Trap

One Way In & No Way Out For Snails!

TARGET: Snails, slugs, earwigs & sowbugs.

DESCRIPTION: The special design of this trap will last for years and keeps water and debris out but entices destructive snails and slugs in. You can be comfortable using this trap around children and pets – its bait is chemical-free and natural. Each bait lasts for approximately 30 days. Trap comes with one bait, measuring spoon and instructions.

SUGGESTED USE: For maintenance purposes, use one per 400 sq. ft.; for heavy infestation, use one per 10 sq. ft.



1272001	Trap w/ 1 Month Supply of Bait	(1 lb.)	\$11.25
1272004	2 Traps plus 4, 2-Month Baits	(3 lbs.)	\$42.55
1272005	5 Traps plus 10, 2-Month Baits	(6 lbs.)	\$99.00
1272006	10 Traps plus 20, 2-Month Baits	(12 lbs.)	\$190.00
1272002	1, 2-Month Bait Refill	(1 lb.)	\$7.75
1272007	Pack of 5, 2-Month Bait Refills	(6 lbs.)	\$36.25
1272008	Pack of 10, 2-Month Bait Refills	(12 lbs.)	\$67.50

BIOLOGICAL GRUB CONTROL

NemaSeek™ Hb Beneficial Nematodes

Beneficial Nematodes are one of nature's most powerful weapons available for ending Japanese Beetle infestations. Along with parasitizing the beetles in their larval, underground damaging stages, they also parasitize the larval states of other pest grubs, weevils, fleas, leafminers and more. Apply with a watering can, hose end sprayer or backpack sprayer. See pages 12-13 for more information.

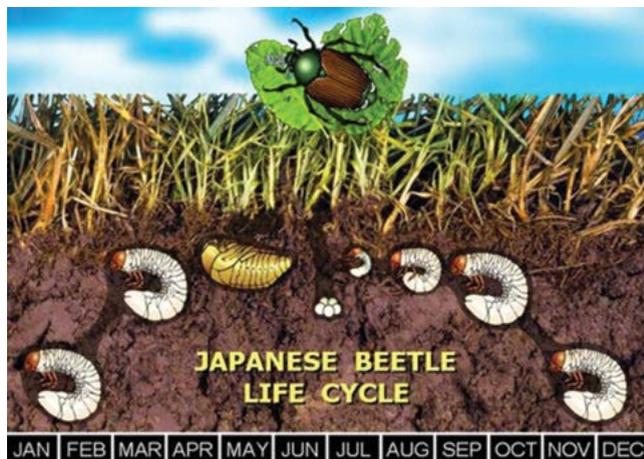


Photo Credit: UNL Entomology Department

Milky Spore Powder



Specific, Long Lasting Larval Control.

TARGET: Japanese beetle grubs.

DESCRIPTION: Contains *Bacillus popilliae* bacterium, lethal to soil-borne grub stages of Japanese beetles. Grubs that normally feed on roots of grass and vegetables will ingest the bacterium which will cause death in about 1-3 weeks. Grubs decompose and re-release bacteria spores. The spores can remain in the soil for about ten years, and in some cases up to 20 years.



In warmer climates, control can occur in 1-3 years (after one application) and in cooler climates, 3-5 years. Can apply with other fertilizers, will not harm animals and can be applied to food crops. For best results, apply with NemaSeek Beneficial Nematodes, which will aid in spreading the bacterium to grubs. Store in a cool dry place to maintain shelf life.

SUGGESTED USE: Use All-Purpose Dispenser Tube for easy application. White chalk carries the bacterium, and the resultant treated area should resemble a checkerboard. Water within about 48 hours for about 15-20 minutes to permeate into soil and do not mow or rake until thoroughly soaked.

Apply about 1 tsp., every 4 ft., in rows 4 ft. apart. 10 oz. covers ≈2,500 sq. ft., 40 oz. covers ≈1/4 acre, 50 lbs. covers ≈4.5 acres.

1216001	10 oz. - Covers ≈2,500 sq. ft.	(2 lbs.)	\$28.60
1216040	40 oz. - Covers ≈1/4 acre	(4 lbs.)	\$83.50
1216050	50 lb. Drum* - Covers ≈4.5 acres	(57 lbs.)	CALL
1216052	All-Purpose Dispenser Tube	(2 lbs.)	\$14.50

*Call for freight quote.

Cannot be shipped to the following states: OR, WA

Where Are Japanese Beetles Found?

Japanese Beetles are native to Japan. They were first found in the United States in 1916 in New Jersey and it is believed they arrived before inspections of commodities entering the country were required. Since then, they have spread to many states in the United States including: AL, AR, CT, DE, GA, IA, IL, IN, KS, KY, MD, ME, MI, MN, MO, MS, NC, NE, NH, NJ, NY, OH, OK, PA, RI, SC, SD, TN, TX, VA, VT, WI, WV. If you are unsure if Japanese Beetles have invaded your county, please contact your County Extension Agent to find out.

Milky Spore Granular



A New Formulation For Use In A Drop Spreader

TARGET: Japanese beetle grubs.

DESCRIPTION: Contains spores of the bacteria *Bacillus popilliae*, which work specifically against the grub stage of the Japanese beetle. Once Milky Spore is in the soil, grubs will ingest the bacterium as they feed on roots. The spores will then multiply inside the grub, leading to its death in 1-3 weeks. As the grub decomposes it will release the spores in their increased numbers back into the soil. Will not harm people, animals, plants or beneficial insects.



SUGGESTED USE: For best results, should be applied with a Drop Spreader (available online) in the spring, summer and fall for 2 consecutive years. This allows the Milky Spore to build up in the soil. After that, the spores will work on their own for several years. After the 6th application, control can last up to 10 years. 1 lb. of material will cover 350 sq. ft. and 20 lbs. bag will cover 7,000 sq. ft.

1216070	Milky Spore Granular - 20 lb. Bag	(22 lbs.)	\$45.00
1216071	Milky Spore Granular - 20 lb. Bag, Pallet of 21*	(520 lbs.)	CALL
1216072	Milky Spore Granular - 20 lb. Bag, Pallet of 42*	(940 lbs.)	CALL

*Call for freight quote.

Perma-Guard™ Crawling Insect Control



An OMRI Listed Diatomaceous Earth Insecticide That Really Does The Job!

TARGET: Any crawling or hopping pest insect.

DESCRIPTION: Perma-Guard Crawling Insect Control is Diatomaceous Earth mixed with crystalline silica. D.E. is the crushed fossilized shells of microorganisms; this fine dust clings easily to whatever passes through it. When an insect comes into contact with this dust, it proves fatal. The D.E. absorbs the waxy cuticle around the insect body, which causes it to dehydrate and die in as little as 48 hours. This physical method of killing eliminates the possibility of insects becoming immune to the insecticide, as can be the case with chemical controls. With regular applications of this OMRI listed product, you will receive continued protection.

SUGGESTED USE: Apply with a hand duster, power duster or as slurry to areas where insects are found. Avoid introducing into the air. Dust insects directly, if possible.

1218250	Perma-Guard - 2 lb. Bag	(3 lbs.)	\$10.15
1218260	Perma-Guard - 5 lb. Bag	(6 lbs.)	\$18.35

Cannot be shipped to the following states: AK, CO, HI, LA, ME, MD, MA, MS, NJ, NC, OH, OK, PA, RI, SD, TN, UT, WV, WI, WY



Essentria™ G Granular Insecticide

A Granular That Handles A Handful Of Outdoor Pests!

TARGET: Ants, bermudagrass mites, centipedes, chiggers, chinch bugs, clover mites, cockroaches, crickets, earwigs, fall armyworms, fleas, leafhoppers, millipedes, sowbugs/pillbugs, and other insect pests.

DESCRIPTION: This quick and long-lasting natural granular insecticide uses essential botanical oils clove, thyme and wintergreen to treat various pests. Easy-to-use outdoors on landscapes, turf, building facilities and around organic operations, sensitive areas such as schools, and in aquatic environments.

SUGGESTED USE: Use with a hand spreader. For treatments around buildings, apply uniformly a band about 5-10 ft. wide. For landscapes and turf, use around 3-5 lbs./1000 sq. ft. Water in, applying about 1/8 in.- 1/4 in. of water without puddling. For ant mounds, use about 1-2 tsp./nest. For red imported fire ants, use around 1/2 cup/nest and make a 2 ft. band around nest.

1273050	Essentria G Granular Insecticide - 22 lbs.	(25 lbs.)	\$67.50
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Beneficial Nematodes

Combo packs of NemaAttack™ & NemaSeek™ Beneficial Nematodes are your #1 defense against eggs and developing stages of fleas outdoors. Use these two varieties of beneficial nematodes for your most comprehensive control.

See pages 12-13 for more information.



Electronic Flea Trap

Great Indoor Flea Control!

TARGET: Monitors and captures fleas.

DESCRIPTION: Each capture pad lasts for approx. 3 months or until filled with up to 10,000 fleas. Excellent flea control without toxic chemicals! Light and heat attracts fleas 24 hours a day and draws fleas from up to 25 feet away. 6" x 5" capture pad holds up to 10,000 fleas. Attractive, durable, patented design.

SUGGESTED USE: 1 trap per 2-3 dogs depending on size.

1280101	Flea Trap - 1 Unit	(1.2 lbs.)	\$17.50
1280103	Flea Trap - 1 Unit (Bundle of 3)	(3 lbs.)	\$45.00
1280102	Capture Pads (3 Pack)	(.1 lb.)	\$6.50
1280106	Capture Pads 3 Pack (Bundle of 3)	(.25 lb.)	\$18.75



Flea 'n Tick B Gone™

Fast Acting & Easy-To-Use!

TARGET: Owners wanting natural flea control for their pets.

DESCRIPTION: This professional strength, enzyme based formula has been proven to effectively remove fleas, ticks, lice and other pests from a variety of pets without the use of harmful pesticides. Enzymes kill the fleas and ticks by dissolving their exoskeletons.

SUGGESTED USE: Simply apply directly to your pet's fur, wait 10-30 minutes (depending on level of infestation), lather and rinse with warm water.

1452501	16 oz. RTU	(2 lbs.)	\$17.98
1452502	1 Gallon	(10 lbs.)	\$63.00



BIOLOGICAL CONTROL

Quick Kill Mosquito Bits®

Harness The Power Of Bti For A Clean, Quick Kill.

TARGET: Larval stages of mosquitoes, black flies and fungus gnats.

DESCRIPTION: Quick Kill Mosquito Bits uses the biological larvicide *Bacillus thuringiensis v. israelensis* (Bti) to quickly kill mosquito larvae in a wide range of habitats. When spread uniformly over the surface of water, the Bti will float down into the water where the larvae will consume it and die; usually within 24 hours. Bits are not harmful to people, animals or plants. Repeat after a 7-10 day interval. For Fungus Gnat control: Spread the granules over the soil until the area is covered. Moisture in the soil will dissolve the Bits. Re-apply every 3 weeks.

SUGGESTED USE: Sprinkle 1 teaspoon per 25 sq. ft. or 1 tablespoon per 75 sq. ft. (½ lb. per 2178 sq. ft.) over the surface of containerized standing water. This includes bird baths, water troughs, unused swimming pools, old automobile tires, water gardens, rain barrels and more. **DO NOT APPLY** to finished human drinking water sources.

1211108	Quick Kill Mosquito Bits - 8 oz.	(1 lb.)	\$10.95
1211136	Quick Kill Mosquito Bits - 30 oz.	(3 lbs.)	\$17.80
1211139	Mosquito Bits & Dunks Combo Kit	(2 lbs.)	\$18.99



Mosquito Dunks®

Simply Place In Standing Water To Kill Mosquitoes Where They Grow.

TARGET: Larval stages of mosquitoes.

DESCRIPTION: When placed in standing water, Mosquito Dunks will float on the water and they will slowly release the bacteria *Bacillus thuringiensis v. israelensis* (Bti) as they melt. This bacterium is a potent mosquito larvicide and as it disperses into the water it is eaten by, and kills, the mosquito larvae growing there. Dunks can be anchored with a string to keep them from washing away. They can also alternate between being wet and dry without losing effectiveness. Bti targets specific pests and is not harmful to people, animals or plants. Each dunk is effective for 30 days.

SUGGESTED USE: Use 1 dunk for 100 sq. ft. of water. Use in any containerized standing water found near the home, except finished, treated drinking water. This includes bird baths, water troughs, unused swimming pools, old automobile tires, water gardens, sump pumps and more.

1211101	Mosquito Dunks - 6 Pack	(1 lb.)	\$13.95
1211103	Mosquito Dunks - 20 Pack	(2 lbs.)	\$22.95
1211139	Mosquito Bits & Dunks Combo Kit	(2 lbs.)	\$18.99



AQUABAC® 200G Granular Bti Mosquito Control



Use This Bti Larvicide Wherever You Have Mosquitoes Breeding.

TARGET: Larval stages of mosquitoes.

DESCRIPTION: AQUABAC 200G contains *Bacillus thuringiensis var. israelensis* (Bti), a bacteria that specifically targets mosquitoes and black flies in their larval stage, but is harmless to other living things. Once ingested, Bti will work quickly to damage cells and paralyze the larva. AQUABAC 200G will not harm any other form of aquatic life or beneficial insects.

SUGGESTED USE: Can be applied to almost any habitat that supports mosquito or black fly larvae. Do not use directly in water sources for human consumption. Broadcast by hand or hand spreader in small areas or by standard ground or aerial dispersing methods for larger areas. If water is clear, broadcast at 2.4-10 lbs. per acre. If water is brackish, murky, polluted or full of algae, broadcast 10-12 lbs. per acre. Lasts for approximately 2 weeks.

1211150	AQUABAC Granular Bti - 40 lb. - Free Shipping*	\$187.00
1211150	AQUABAC Granular Bti - Pallet of 40 /40 lb.Bags	CALL

*Free Shipping on 40 lb. bag only, in the contiguous 48 states.

Ships via Ground ONLY. Call for pallet pricing.



AQUABAC® Xt



Use This Powerful Biocontrol Liquid To Kill Mosquito Larvae In Water.

TARGET: Larval stages of mosquitoes, fungus gnats, aquatic midges and nuisance flies.

DESCRIPTION: This *Bacillus thuringiensis var. israelensis* (Bti) offers the same powerful pest control in a convenient liquid form. Bti is a bacterial that expressly targets mosquitoes, fungus gnats, aquatic midges and nuisance flies in their larval stages. Once ingested, it will work rapidly to damage cells and fatally paralyze the larva. AQUABAC Xt will not harm any other form of aquatic life or beneficial insects.

SUGGESTED USE: This product can be applied via conventional aerial and ground application equipment (or metered release system) in nearly any habitat that supports the targeted pest larvae. For mosquitoes, use between 0.25-2.0 pts./100 gals. Higher rates apply when water is polluted, adult populations are high or there is a lot of algae. Do not apply this product in any type of irrigation system or in any sources of water that are for direct human consumption. More specific application rates can be found on the package label.

1211160	AQUABAC Xt 2.5 gallons*	(27 lb.)	\$190.00
1211161	AQUABAC Xt 2.5 gallons/Case of 2*	(52 lb.)	\$340.00

*Free Shipping in the contiguous 48 states. Ships via Ground ONLY.

This product cannot be shipped to the following states: NY





Mosquitoes Transmit Serious Disease

Humans: Zika Virus, West Nile Virus, Malaria, St. Louis Encephalitis, La Crosse Encephalitis

Dogs and Cats: Dog Heartworm

Horses: Eastern Equine Encephalitis Virus, Western Equine Virus, West Nile Virus, St. Louis Encephalitis

Livestock: Encephalomyelitis, Anaplasmosis, Swamp Fever, Fowlpox



REPELLENTS

BONIDE® Mosquito Beater Granules



Simply Sprinkle These For Lasting Mosquito Relief!

TARGET: Mosquitoes.

DESCRIPTION: Made from biodegradable essential oils, these granules can be sprinkled right from the container for mosquito control wherever you need it (although it is not for aquatic use). It takes only 1 hour for this lovely smelling repellent to be effective and then it will retain its efficacy for 3 weeks. If treating larger areas, allow a longer period prior to occupancy.

SUGGESTED USE: Rainfall, temperature and wind may affect effectiveness. For optimal results, apply in the early evening in dry conditions with little or no wind. Broadcast directly from the container or apply with a lawn spreader, dust gun or a hand crank duster (see online). Reapply as needed.

1211305	8 oz. - Treats 1,500 sq. ft.	(1 lb.)	\$8.99
1211310	1.3 lbs. - Treats 4,000 sq. ft.	(2.25 lbs.)	\$14.29



Mosquito Barrier®

For Yards, Parks & Grass Areas — Keeps Mosquitoes Away!

TARGET: Mosquitoes, gnats and fleas.

DESCRIPTION: Liquid garlic repellent dissipates within minutes of application. Kills adults on contact and suffocates larvae in standing water within approximately 24 hours. Saturate all plants including grass, vegetables and trees. Applications last up to 4 weeks.

SUGGESTED USE: **Residential** (1/2 acre): 4 oz. Mosquito Barrier & 2 gallons of water. **Medium Areas** (1.25 acres): 1 quart Mosquito Barrier & 20 gal. of water. **Large Areas** (5 acres): 1 gallon Mosquito Barrier & 98 gallons of water.

1211001	1 Quart	(3 lbs.)	\$24.50
1211002	1 Gallon	(10 lbs.)	\$79.90

This product cannot be shipped to the following states: ID, KS, WY



PERSONAL

BiteBlocker® Herbal Repellents

Protection From Biting Pests! "DEET Free"

BiteBlocker Insect Repellent Spray

TARGET: Mosquitoes, black flies, gnats and no-see-ums (biting midges).

DESCRIPTION: This effective spray is safe to use on every member of your family and will last up to 3 hours. For optimum protection, re-apply every 2 hours. Contains soybean and geranium oils, plus inert ingredients.



BiteBlocker Xtreme Insect Repellent

TARGET: Mosquitoes, black flies, gnats, no-see-ums (biting midges) PLUS ticks and fleas.

DESCRIPTION: Protects up to eight hours from mosquitoes, black flies and other biting insects and ticks. Contains soybean, geranium and castor oils, plus inert ingredients.

SUGGESTED USE: For the entire family. Re-apply as needed.

1211815	BiteBlocker Herbal Insect Repellent Spray - 4.7 oz.	(1 lb.)	\$7.99
1211819	BiteBlocker Xtreme Insect Repellent - 6 oz.	(1 lb.)	\$8.98

Chig-R-Blok

Take Back Your Yard — Make The Outdoors Fun Again!

TARGET: Chiggers, ticks, mosquitoes and other flying insects.

DESCRIPTION: Finally, a natural and effective solution to all those itchy, nasty, biting pests. Made from a blend of botanical oils, herbs and essential oils, Chig-R-Blok creates a barrier to repel insects and also treats existing bites and rashes. Chig-R-Blok keeps chiggers, ticks, mosquitoes and other flying insects at bay and will stop the itching associated with poison ivy, poison oak and poison sumac; allowing your skin to heal faster. Available in two formulas: Chig-R-Blok Oil and Chig-R-Blok Balm.



- DEET free formula is made with cherry kernel, shea, almond, apricot, neem, karanja, hemp and pumpkin seed oils. If also contains geranium, carrot, patchouli, rosemary, frankincense, lemongrass, lavender, mint and myrrh essential oils.
- Water-resistant and can last 4-8 hours (depending on perspiration).
- Can be used for humans, dogs and horses. Not for cats.

SUGGESTED USE: As a Repellent: Avoiding the face area, apply to: forearms, from the kneecap down to tops of feet, the waist area and the back of the neck. Don't forget those tender areas that mosquitoes find irresistible.

As a Treatment: Apply Chig-R-Blok as needed to bites: allow at least 90 seconds for itching to subside. To aid in healing insect bites, apply twice daily.

WARNINGS: FOR EXTERNAL USE ONLY. Pregnant women should consult a doctor before use. Safe for children 4 yrs. and older. Keep out of eyes and mouth. Not for cats.

1212006	Chig-R-Blok 2 oz. Balm	(.25 lb.)	\$9.99
1212005	Chig-R-Blok 2 oz. Oil	(.25 lb.)	\$11.50
1212004	Chig-R-Blok 4 oz. Oil	(.25 lb.)	\$16.00

FLY ELIMINATORS



WHAT ARE FLY ELIMINATORS?

The Sensible Alternative To Pesticides

Fly Eliminators are tiny $\approx 1/8''$ beneficial insects that parasitize flies in their developing pupal (cocoon) stage, before they can hatch into annoying disease-carrying adult flies. Scientifically they are referred to as Fly Parasites or Fly Parasitoids.

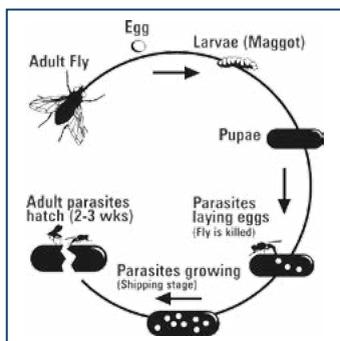


Adult Fly Eliminator emerging from fly pupa.

Fly Eliminators will only parasitize fly pupae and will not bother horses, cattle, livestock, pets, plants, or you.

HOW DO FLY ELIMINATORS WORK?

Adult female flies lay their eggs in decaying organic matter, especially manure. Only a few hours later, these eggs develop into microscopic larvae (maggot stage) and burrow down into the manure. The maggots grow until they form a pupa (cocoon stage).



Life cycle of the fly parasite.

Then, the female Fly Eliminators seek out the fly pupae and begin to deposit their eggs inside. The eggs grow into larvae that feed on the developing fly, stopping the adult pest fly from hatching.

Fly Eliminators reproduce in about 21 days, constantly strengthening the Fly Eliminator population. Pest flies reproduce at a faster rate than our Fly Eliminators, so we recommend they be replenished on a regular basis, approximately every 2-4 weeks.

Philadelphia Park Recommends ARBICO's Fly Eliminators

"I was introduced to Fly Eliminators 30 years ago at a Racetrack Symposium and have been using them ever since. They've done a fabulous job and I have recommended Fly Eliminators to many people! They're a great product! Their Fly Eliminators Program was green before green was popular. Without a doubt, this is the way to go. ARBICO Organics is a very good company!"



– Roy Smith, Former Track Manager of Philadelphia Park

WHO USES FLY ELIMINATORS?

Our customers are all types of horse owners, from the single horse owner to large breeder, including racetracks and farms with many types of animals.

- Boarding Facilities
- Dairy Facilities
- Stables
- Aquariums
- Feed Lots
- Race Tracks
- Poultry
- Kennels
- Equestrian Hobbyists
- Urban Farmers
- Zoos
- Plus more

Please be sure to account for all of your livestock and other animals. Call for special reduced pricing for large facilities, mixed livestock areas and/or custom programs.



HOW DO I USE FLY ELIMINATORS?

Your Fly Eliminators will arrive in a clear plastic bag which contains parasitized fly pupae in wood shavings.

1. When your Fly Eliminators arrive, check for any signs of hatching.
2. Store in a warm, dry place. Once the Fly Eliminators begin to hatch simply disperse them near breeding sites: manure piles; under water troughs; under bedding; corners of pens and feeding sites.
3. Cover with dirt or manure to protect your Fly Eliminators. They will then start to burrow down and search for fly pupae to lay their eggs in.
4. Repeat every 2-4 weeks.



Fly Eliminators and wood shavings in packaging.

Use Your Fly Eliminators the RIGHT Way:

RIGHT Time

- Start your Fly Eliminators Program before or as soon as your infestation starts
- Release once you have 3 nights in a row of 40°F temperatures
- If you start late, just add more Fly Eliminators to your order

RIGHT Place

- Release at the end of the day – they're nocturnal
- Release near manure, urine soaked areas, feeding, watering & bedding areas

RIGHT Amount

- The more Fly Eliminators, the fewer the flies

RIGHT Schedule

- Shipments every 2-4 weeks are best to break the fly lifecycle

Churchill Downs Chooses ARBICO Organics

"We started using Fly Eliminators back in 1983. We are still using them today. It's a wonderful product and a successful program that everyone should use! All the big corporations are going green and we were one of the first to go green by using Fly Eliminators."

– Butch Lehr, Former Track Manager of Churchill Downs



Del Mar Thoroughbred Club Relies On ARBICO Organics

"The Del Mar Thoroughbred Club horse racing facility has been using Fly Eliminators from ARBICO since 1985 with great success. Each summer nearly 2,000 horses and hundreds of thousands of race goers converge on this community making fly control a top priority for both the Del Mar Thoroughbred Club and the community that relies so heavily on the agricultural product we promote. We appreciate the years of timely and professional service ARBICO Organics has provided and look forward to many more good years ahead."

– Joe Harper, Chief Executive Officer of Del Mar



SPECIAL PRICING

HOW TO ORDER:
Call **1-800-827-2847** or
visit **www.arbico-organics.com**

Only \$16.95
Per Shipment for 2-5 Horses
USPS Shipping Included in Prices!

Number of Horses/Animals	Suggested Units†	VIP Pricing
1	1/4 Unit	\$13.95
2 - 5	1/2 Unit	\$16.95
6 - 10	1 Unit	\$26.95
11 - 15	1 1/2 Units	\$36.95
16 - 20	2 Units	\$48.95
21 - 25	2 1/2 Units	\$59.95
26 - 30	3 Units	\$69.95
31 - 35	3 1/2 Units	\$77.95
36 - 40	4 Units	\$84.95
41 - 45	4 1/2 Units	\$92.95
46 - 50	5 Units	\$96.95
51 +	Please Call 1-800-827-2847	

Order Your Fly Control Program Today!
VIP Pricing Valid Through Dec. 31, 2017.

Please be sure to account for all of your livestock and other animals. Call for special reduced pricing for large facilities, mixed livestock areas and/or custom programs.

†These are units of measurement, not warranties or guarantees of performance. The total seasonal cost of Fly Eliminators depends on the recommended number of shipments which may be different than what competitors may recommend. We recommend releasing a shipment every 2-4 weeks throughout the fly season, but releases ranging from 1-6 weeks are not uncommon. Customer experiences may vary. The quantity required and frequency of application can differ according to region, size and condition of property or stables, severity of fly problem, neighbors, manure management, number of animals and start date of program. All warranties, express or implied are disclaimed. One unit bag shown.

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MANURE MANAGEMENT

EM•1® Microbial Inoculant

Increase & Maximize Your Plants' Absorption Of Nutrients!

TARGET: Accelerate decomposition & reduce odors.

DESCRIPTION: Consists of healthy bacillus from naturally fermented live microorganisms. Works with beneficial microbes in the area it is applied to, creating a synergy among microorganisms and larger forms of life including insects, worms, pets, livestock and people.

SUGGESTED USE: 2 tsp./gal. water, 1 qt./250 gal. water, 1 qt./acre up to 8 times/yr.

1202099	12 oz.	(1.25 lbs.)	\$14.99
1202101	1 Quart	(3 lbs.)	\$23.99
1202102	1 Gallon	(10 lbs.)	\$63.00
1202103	5 Gallons	(53 lbs.)	\$243.00
1202104	55 Gallons*		CALL

*Call for freight quote.

Cannot be shipped to the following states: HI, PR, VI



SCD Odor Away™

Remove Various Odors With Beneficial Bacteria!

TARGET: Odors caused by organic materials in livestock operations, poultry pens, water treatment plants, composting operations and barns. Also takes care of noxious household odors such as pet, smoke, mold, drains and restrooms odors.

DESCRIPTION: This microbial inoculant is OMRI listed, approved for certified organic agriculture and is compatible with all organic agriculture amendments. Made from naturally fermented live co-existing microorganisms, this easy-to-use concentrate breaks down organic matter and helps neutralize odors. It contains a special blend of lactic acid bacteria which helps break down compounds associated with unpleasant odors through microbial digestion of ammonia, hydrogen sulfide and other organic compounds. It can be used to help improve surrounding air quality, reduce energy usage in various treatment systems and their breakdown of sludge and other organic residues.

SUGGESTED USE: Use approximately 2-5 Tbsp. per gallon of water. Add the desired amount to a clean spray bottle, dilute for specific application and use within 3-4 days. For full application guide visit www.arbico-organics.com. Store concentrate in cool and dry place, do not freeze. Prior to application on fabric, test a small amount of product on an inconspicuous area.

1202702	SCD Odor Away - 1 Liter	(3 lbs.)	\$13.50
1202703	SCD Odor Away - 1 Gallon	(10 lbs.)	\$43.00

Call for case pricing.



BIOLOGICAL CONTROL

Sc Beneficial Nematodes

Add Beneficial Nematodes For Ultimate Fly Control!

TARGET: Fly maggots and other subterranean pests.

DESCRIPTION: These live microscopic organisms (non-segmented round worms) occur naturally in soil throughout the world and are parasitic to fly maggots and other subterranean pests. Upon application, they will seek out and enter maggots through body openings. Once inside, the nematode releases bacteria which kill the host maggot within 24 - 48 hours. The bacteria create a food source for the nematodes to reproduce. As the food resources within the dead pest become scarce, the nematodes exit and immediately begin searching for a new host.

SUGGESTED USE: Apply nematodes to "hot spot" areas where flies are breeding such as compost and manure piles, around manure and urinating sites, and watering and feeding areas using a watering can, hose end, backpack or pump sprayer or through irrigation or misting systems. Use along with Fly Eliminators and Holistic Fly Defense for ultimate fly control!

1220319	NemAttack Sc Beneficial Nematodes - ~5 million	\$36.00
1220320	NemAttack Sc Beneficial Nematodes - ~10 million	\$42.95
1220321	NemAttack Sc Beneficial Nematodes - ~50 million	\$72.00
1221702	NemAttack Sc Beneficial Nematodes - ~250 million	\$198.00
1221705	NemAttack Sc Beneficial Nematodes - ~500 million	\$270.00

* See page 13 for free shipping details.

Cannot be shipped to the following states: HI, AK, PR, VI, GU, AS, PW



PyGanic® Specialty

New Label – Same Terrific Product As PyGanic 5.0!

TARGET: Livestock and poultry pests as well as over 100 listed plant pests.

DESCRIPTION: With this OMRI listed, Pyrethrin-based insecticide you will be able to protect nearly everything you grow or raise from destructive and disease carrying insect pests. This includes the commercial production of livestock, poultry and crops.

These commercial enterprises require more frequent and higher volume application rates than smaller scale producers and this concentrated version is easily adapted to these specific needs. PyGanic Specialty works best if it is applied when pests first appear, before there is a heavy infestation. Thorough coverage is also key; direct contact needs to be made with the pest insects.

SUGGESTED USE: For use on production animals in barns, dairies, milking parlors, milking rooms and poultry houses. For use on horse flies, house flies, mosquitoes and gnats, dilute at the rate of 1.5-3 fl.oz/ 1 gal of water and apply. Please see label for more detailed instructions on other livestock and crop pests.

1288770	PyGanic Specialty - 32 oz.	(3 lbs.)	\$144.00
1288780	PyGanic Specialty - 1 gal.	(9 lbs.)	\$530.00



ADULT FLY TRAPS & REPELLENTS

Biting Fly Trap

No Poisons! No Baits! No Electricity!

TARGET: Biting flies, stable flies, black flies and bottle flies.

DESCRIPTION: As discovered by Dr. D. E. Williams of the USDA, biting flies are attracted to sunlight as it shines through a particular type of fiberglass. A cylinder has been created of this fiberglass and coated with a clear sticky substance. They will be drawn in by the glass but unable to escape the stickiness. One trap can catch up to 5,000 flies! Each package contains the following: 1 fiberglass cylinder, 1 wooden stake, 2 brass fasteners, 2 giant paper clips, 1 sticky sleeve, 1 replacement sleeve (additional sleeves can be purchased as needed) and complete instructions. Weight - 1.5 lbs. Box size - 12 1/4 x 26 1/2 x 1 1/2 inches.



SUGGESTED USE: Any place biting flies are a problem, i.e., stables, kennels, zoos, compost piles, backyards, swimming pools, golf courses and beaches.

1256020	Biting Fly Trap - Pack of 1	(2 lbs.)	\$18.99
1256021	Biting Fly Trap - Pack of 3	(5 lbs.)	\$48.95
1256022	Biting Fly Trap - Pack of 5	(10 lbs.)	\$75.50
1256023	Replacement Sleeves White - Pack of 1	(1 lb.)	\$3.95
1256024	Replacement Sleeves White - Pack of 3	(2 lbs.)	\$8.25
1256025	Replacement Sleeves White - Pack of 5	(2 lbs.)	\$12.50
1256026	Replacement Sleeves White - Pack of 10	(5 lbs.)	\$22.50

Espree® Aloe Herbal Horse Spray

Contains A Natural Sunscreen!

TARGET: Repel and kill flies and other insect pests.

DESCRIPTION: This all-purpose fly repellent combined with natural coat conditioners and sunscreens is incredibly effective. This all natural, non-irritating spray will aid in the control of flies, mosquitoes, gnats and other insect pests.

SUGGESTED USE: Concentrated formula available in quart and gallon sizes. Dilutes 5 to 1 with water or 3 to 1 for tougher cases.

ACTIVE INGREDIENTS: Citronella, eucalyptus, and cedarwood in a combination of aloe and mineral oil that conditions the coat.

1108901	1 Quart Concentrate	(3 lbs.)	\$25.00
1108902	1 Gallon Concentrate	(10 lbs.)	\$74.50



ARBICO Organics™ Solar Fly Trap

FREE SHIPPING

Captures Hordes Of Flies!

TARGET: Adult flies.

DESCRIPTION: This built-to-last, rust-free, heavy duty trap goes anywhere to reduce existing fly populations, fly blooms and migrant flies. Used by gardeners, pet owners, kennels, horse owners, breeding and training facilities, dairies, poultry and swine facilities, feedlots and other places where flies are a problem. Dimensions: 12" diameter x 10.5" tall.

SUGGESTED USE: Mix the yeast bait with water and pour into container at the bottom of the trap. Within seconds flies are lured into the trap. They enter into the confinement chamber and dehydrate from exposure to the sun. When it begins to fill up with flies, just empty, hose out and reset with new bait. Comes with one packet of bait, which is enough for approx. 5 weeks. Use 1 trap for 5-10 horses.

1256001	ARBICO Organics Solar Fly Trap - Includes 1 Bait	\$86.00
1256002	ARBICO Organics Fly Bait for Solar Fly Trap	\$9.99
1256005	ARBICO Organics Solar Fly Trap - Includes 4 Baits	\$108.00

Volume Pricing!

1259990	ARBICO Organics Solar Fly Trap - 2 Pack	\$160.00
1259991	ARBICO Organics Solar Fly Trap - 3 Pack	\$234.00
1259992	ARBICO Organics Solar Fly Trap - 4 Pack	\$300.00
1259994	ARBICO Organics Solar Fly Trap - 6 Pack	\$450.00

Replacement part available online.

*FREE SHIPPING via ground or US Mail ONLY.

ARBICO Organics™ Holistic Fly Defense

A Safe & Effective Insect Repellent For Horses, Livestock & Pets!

TARGET: Repels flies, mosquitoes and gnats.

DESCRIPTION: Holistic Fly Defense is a long lasting herbal blend of natural botanicals that repel insects. This non-staining formula will leave no oily residue.

ACTIVE INGREDIENTS: Lemongrass oil, geranium oil, geraniol, citronella oil, sodium lauryl sulfate, potassium sorbate.

SUGGESTED USE: Dilute 1 part Holistic Fly Defense in 5 parts water. For more stubborn cases, dilute 1 part in 4 parts water.

1108702	32 oz. Concentrate	(3 lbs.)	\$28.00
1108707	1 gal. Concentrate	(9 lbs.)	\$80.00



FROST PROTECTION

Agribon®

Protect Your Fruits, Vegetables, Row Crops, Trees and Ornamentals With Agribon Row Covers!

TARGET: Large home gardens, truck gardens, market growers and others.

DESCRIPTION: Agribon row covers are recognized for quality, durability and affordability. The polypropylene fabric is spun-bonded with double-bonded seams and UV stabilizers. You can expect 1-3 growing seasons from Agribon.

- Prolongs the growing season by protecting from frost, sun, and wind damage.
- Protects from drying conditions and conserves water by reducing evapotranspiration.
- Speed up germination.
- Protects seeds from birds.
- Protects plants from marauding insects.
- Make sure that Agribon is securely installed well to ensure that plants are protected to the limits of the product. Use Agribon with Loop Hoops for protection that will remain in place until you remove it.

*** Items in stock!**

Turnaround times are approximate. Standard sizes may require up to 3 week processing time. Shipping Method determined by size and weight. See website or call for ground or freight estimates.

For additional sizes and availability, please call (800) 827-2847.

AG-15		
Lightweight with 90% light transmission, (.45 oz./square yard). Use for pollination control, heat sensitive crops and insect pests on potatoes, greens, cabbages and radishes. Made of spun bonded polypropylene fabric.		
SKU	Size	Retail
3000030	9'10" x 50'	\$29.99
3000031	9'10" x 250'	\$59.99
3000034	9'10" x 2000'	\$313.00
3000035	19' x 2000'	\$577.00

AG-19		
Lightweight (0.55 oz. per sq. yd.), protects to 28°F (provides up to 4°F protection), 85% light transmission. Does not require frames or hoops.		
SKU	Size	Retail
3000000	83" x 50'*	\$24.99
3000003	83" x 250'	\$59.99
3000004	83" x 2000'	\$290.00
3000041	10' x 50'*	\$29.99
3000042	10' x 250'	\$78.99
3000043	10' x 500'	\$149.00
3000045	14' x 1000'	\$288.00
3000046	20' x 1000'	\$435.00
3000048	30' x 1000'	\$592.00
3000049	35' x 1000'	\$693.00
3000050	40' x 1000'	\$900.00
3000051	45' x 1000'	\$945.00
3000052	50' x 300'	\$305.00
3000053	50' x 500'	\$520.00
3000054	50' x 1000'	\$945.00
3000040	61.5" x 3000'	\$360.00

AG-30		
Lightweight (0.9 oz. per sq. yd.), protects to 26°F to 28°F (provides between 4°F – 6°F protection), allows 70% light transmission. Hoops or frames are recommended.		
SKU	Size	Retail
3000010	83" x 50'*	\$19.99
3000013	83" x 250'	\$119.00
3000060	10' x 250'	\$115.00
3000062	14' x 800'	\$395.00
3000064	26' x 800'	\$665.00

AG-50		
Highest level of protection, weighs in at 1.5 oz. sq. yd., protects to 24°F (provides up to 8°F of protection), allows 50% light transmission. Hoops or frames are recommended.		
SKU	Size	Retail
3000020	83" x 50'*	\$29.99
3000026	7' x 7' (5/pack)*	\$29.99
3000090	10' x 500'	\$295.00
3000091	10' x 1500'	\$990.00
3000027	14' x 14' (2/pack)	\$39.99
3000092	14' x 500'	\$405.00
3000028	26' x 26'	\$45.00
3000093	26' x 500'	\$665.00
3000096	50' x 300'	\$790.00
3000097	50' x 500'	\$1,440.00



Loop Hoops

Loop Hoops Are Easy-to-Use Supports For Floating Row Covers.

TARGET: Unique steel hoops that keep floating row covers off the plants.

DESCRIPTION: Made of sturdy galvanized steel to support light and medium weights of floating row cover. Easy to set-up and require no knots. Loop Hoops will survive many seasons of bad weather. Once row covers are no longer needed, loop hoops make excellent trellises!



SUGGESTED USE: Just set the Loop Hoops 10' apart and run twine through the tie loops on one side. Repeat on the second side and anchor at each end with a stake. Twine and stake are not included.

Dimensions: 23" H x 16" W

3000070	Loop Hoops - single	(2 lbs.)	\$5.00
3000073	Loop Hoops - 10 pack	(6 lbs.)	\$33.75
3000076	Loop Hoops - 20 pack	(11 lbs.)	\$62.00
3000079	Loop Hoops - 50 pack	(26 lbs.)	\$155.00
3000084	Loop Hoops - 100 pack	(51 lbs.)	\$250.00

Harvest Guard™ Protective Covers

Ultra Lightweight! For Shrubs, Plants, Lawns & Crops.

TARGET: Protect ornamentals, trees, plants & crops.

DESCRIPTION: Harvest Guard™ Protective Covers and Bags retain warmth and moisture while venting excess heat. Made from 1.6 oz. reemay, they provide protection from frost, snow, ice and harsh winds in fall, winter and early spring. Use when temperatures are as low as 29°F. Bags have adjustable closures for a custom fit and added wind security. Covers can be used as seed germination blankets and to protect plants from insects, birds or animals.



SUGGESTED USE: Drape covers loosely, allowing slack for plants to grow. To shield from wind, secure every 6-8 ft. using nails, rocks, etc. To shield from pests, bury edges 1-4 inches. Keep in place for up to 8 weeks, depending on temperatures. Apply liquid fertilizers or water directly to or under cover. Remove during pollination, for tomatoes and peppers at 80°F, and for all plants at 85°F. To germinate grass seed, spread cover over packed seeds, secure every 6-8 ft., keep soil moist for 5-7 days, and lift up when blades grow through. Leave on until grass is several inches tall.

1269505	Bag - 8' x 6'	(1 lb.)	\$10.25
1269507	Covers - 10' x 15'	(2 lbs.)	\$12.50
1269509	Roll - 40" x 50'	(4 lbs.)	\$12.50

Organic & Non-GMO Seeds

ARBICO Organics recognizes the need for organic and non-GMO seeds and we are committed to providing our customers with excellent options to choose from. Consider the use of cover crops to improve soil fertility & quality; increase biodiversity; as a trap crop; smother out weeds; attract wildlife & pollinators; and reduce soil erosion. See website for details.



NATIVE SEEDS / SEARCH

Native Seeds / SEARCH is a Tucson, Arizona based non-profit organization that is committed to the conservation and promotion of arid adapted seeds. They are particularly focused on seed for food crops that improves food security in the United States and NW Mexico. ARBICO Organics is proud to be able to provide these

high-quality, organically grown, non-GMO seeds.



SERO BIODYNAMIC SEEDS

The principles of Biodynamic agriculture were first developed in the 1920's as a three-tiered approach to growing that incorporates ecological, social and economic sustainability. A biodynamic farm is consciously ethical in its practices and works to grow health and fertility from within to create the very best in agriculture, food

production and nutrition. Modern growers are embracing this philosophy of holistic agriculture combined with social consciousness and are bringing with them a new spin on things that continues to keep the Biodynamic world vital.



SWEET GARDEN ORGANICS

Sweet Garden Organics offers fine heirloom, non-GMO seeds and organic soil amendments to encourage and help people grow the best possible garden. Working

with Mother Nature is the best way to keep our delicious heirloom foods alive in our food chain and is the path to a harmonious and healthy future. We are proud to carry the beautiful seeds from this family-owned Arizona business!



TERROIR SEEDS

Located smack-dab in the middle of Arizona, Terroir Seeds offers only open-pollinated and heirloom seeds. The owners of this family-owned and run business are part of a worldwide effort to protect plant species from extinction. By saving seeds and using them to propagate over many seasons, we can grow food that has naturally adapted to its environment.

Prococo Coco Coir



This Compressed Coconut Coir Can Be Used in Hundreds Of Ways!

TARGET: For use in greenhouses, container plants, nurseries, gardens and landscaping as a replacement for soil and peat moss or as a soil amendment. Can also be used for animal and reptile bedding, playground mulch, in composting, liquid containment and much more.



DESCRIPTION: Made from the natural byproducts of coconut cultivation (crushed coconut husks), this premium coco coir product is renewable and sustainable. In addition to being earth-friendly, coco coir offers many advantages: it is free of bacteria and fungal spores, improves soil by slowly adding organic matter, has a low salt content and contains very little dust. It is also easy to hydrate and is resistant to mold and mildew. These compressed blocks offer a lot of coir in a solid, yet easily expanded, package.

SUGGESTED USE:

Prococo Compressed CocoPeat Block – This finely-ground coir is the only OMRI listed choice of the 3 Prococo coirs. It is a great moisture-holder and is excellent for those applications that need a little more humidity. It is terrific as a soil amendment or as an addition to vermiculture and composting.



Prococo Compressed Chips-N-Fiber Block – This coir variation has a mixture of rolled and finely chopped husks. This allows it to provide both superior water retention and easy drainage. Chips-N-Fiber works especially well with cacti and succulents. Try this coir as bedding for small mammals and reptiles; the effective drainage keeps spillage and waste away from your pet.

Prococo Compressed CocoChip Block – Made from coarsely chopped husks, this coir allows for excellent drainage. It is the recommended choice for larger container plants. It is also a really good choice for reptile bedding, especially larger snakes. The rough texture allows the snakes to rub as they shed their skin and the superior drainage keeps their enclosure dry.

1305580	Prococo Compressed CocoPeat Block	(10 lbs.)	\$12.50
1305582	Prococo Compressed Chips-N-Fiber Block	(10 lbs.)	\$12.50
1305581	Prococo Compressed CocoChip Block	(10 lbs.)	\$12.50



ARBICO Organics™ Rice Hulls

Get A Great Start on Germination!

TARGET: Germination issues due to heavy and water holding soils.

DESCRIPTION: A natural, sustainable and renewable growing media made from par-boiled rice hulls is a great alternative to peat, vermiculite and perlite. Mixes easily with compost or potting soils, provides a good source of aeration and porosity to help seeds germinate and is specially processed to eliminate contaminants such as diseases, weed seeds or insects.



SUGGESTED USE: For best results, mix ARBICO Organics Rice Hulls with ARBICO's Compost Plus or other potting soil/compost at a ratio of ≈1:1.

1309002	1/4 cu. ft.	(3 lbs.)	\$8.99
1309003	1/2 cu. ft.	(6 lbs.)	\$14.50
1309004	1 cu. ft.	(10 lbs.)	\$23.50

ARBICO Organics™ Root Build 240™ Mycorrhizal Fungi



Introducing Our New & Improved Mycorrhizal Fungi – ARBICO Organics Root Build 240!

TARGET: The benefits of introducing mycorrhizal fungi to your soil are numerous: accelerate and increase plant growth; increase plant yield and quality; increase absorption of water and nutrients; and promote plants tolerant to disease, drought & salinity.



DESCRIPTION: New Root Build 240 contains both micronized Endo and Ecto mycorrhiza for a wide range of plant applications. This greater diversity in beneficial fungi meets the needs of a greater variety of plants. When introduced early in the life of a plant, the endo and ecto will increase the roots' ability to absorb water and nutrients. Endomycorrhizae work within and around the roots of most vegetables, grasses, flowers and ornamentals while ectomycorrhizae live only on the outside of roots and focus on conifers. The high spore count in Root Build 240 means there will be maximum colonization of your plants' roots. Endo Spores: 240 spores/gr. Ecto Spores: 1 x 10⁶ spores/gr.

SUGGESTED USE: Inoculate roots with mycorrhizal spores (1 oz. is ≈3 Tbsp.) For vegetables, grasses, flowers, shrubs, fruit trees and ornamentals.

1135001	Root Build 240 - 1 oz.	(.25 lb.)	\$9.00
1135002	Root Build 240 - 2 oz.	(.5 lb.)	\$12.50
1135003	Root Build 240 - 8 oz.	(.75 lb.)	\$31.50
1135004	Root Build 240 - 1 lb.	(1.25 lbs.)	\$45.00
1135005	Root Build 240 - 10 lbs.	(11.5 lbs.)	\$329.00



Soil Testing & Test Kits

The secret to healthy plants begins with healthy soil. Before you begin planting, it's important to know what soil type you have. You can then amend or fertilize accordingly.

- **Why should I test my soil?**

Nitrogen, Phosphorus and Potassium (N, P, K) are the essential nutritional building blocks for all plants. In order to optimize your plants' health there needs to be a balance of these minerals in your soil.

- **When should I test?**

Soil testing can be taken anytime throughout the year, but especially if you are experiencing growing problems. Soil testing results can be used as a guide to appropriate amending and fertilizing.



Luster Leaf® Rapitest® Soil Test Kit

A Quick Way To Test N-P-K!

TARGET: Monitor pH, nitrogen, phosphorus and potassium levels in soil.

DESCRIPTION: Kit comes with 40 test capsules in total, 10 for each kind of test. Also includes a water dropper, result chart & guide to fertilization, and pH preference for over 450 types of plants!

SUGGESTED USE: Sample soil, mix with water, add solution, shake and note results. Detailed instructions and usage charts included in kit.



1275203	Soil Test Kit	\$16.00
1275204	pH Soil Tester	\$6.82
1275205	10 pH Soil Test Capsules - Green	\$3.50
1275206	10 Nitrogen Soil Test Capsules - Purple	\$3.50
1275207	10 Phosphorus Soil Test Capsules - Blue	\$3.50
1275208	10 Potash Soil Test Capsules - Orange	\$3.50
1275210	Combo Pack of Soil Test Capsules (10)	\$9.99

Rapitest® Digital 3-Way Analyzer

Learn About The Fertility, pH & Temperature Of Your Soil Or Growing Media With This Easy-To-Use Digital Analyzer!

TARGET: pH and temperature of soil to optimize seed germination and healthy growing.

DESCRIPTION: Optimize your growing with this great garden tool that identifies soil pH, the combined levels of three primary macro-nutrients and soil temperature with the push of a button. It's easy to switch between testing modes. Each test takes approximately 60 seconds. You can obtain complete soil fertility, temperature and pH information in a short period of time.

SUGGESTED USE: Use the data to develop your soil improvement plan for each planting season. Detailed instructions for use are included. The instructions also contain information that will help you manage pH and soil fertility issues.



1275224	Digital 3-Way Analyzer	(2 lbs.)	\$26.89
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LaMotte Garden Guide Soil Test Kit

Economical & Educational Kit Combines pH With N-P-K Tests.

TARGET: Unbalanced soil with unknown pH and NPK levels.

DESCRIPTION: Quickly determine the pH, nitrogen, phosphorus and potassium levels in your soil! Comes with diagrammed instructions, laminated color charts and plastic carrying case. There is enough material for 30 pH tests, and 15 tests for each variable of N-P-K, (nitrogen, phosphorus and potassium). A Study of Soil Science and The LaMotte Soil Handbook help you interpret your test results.

SUGGESTED USE: Fill test tube with the recommended amount of the correct solution, add needed amount of soil, mix, let settle for required time to test your soil.



1275300	LaMotte Test Kit	(4 lbs.)	\$59.99
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Soil Analysis

Growing Healthy Plants Begins With Understanding The Nature Of Your Soil.

TARGET: Large or small gardens, fields or greenhouses that need accurate in-depth soil information.

DESCRIPTION: Do you have difficult dirt or rich, fertile soil? Healthy soil that is rich in macro and micro-nutrients is crucial for successful growing. ARBICO's soil analysis will tell you what you need to know in order to develop better quality soil and grow healthy plants, lawns and trees.



You will receive a graphical soil analysis report detailing the tested element levels (see above) and pH of your soil sample. Included in the report are initial recommendations based on the results. If you have further questions after you receive the report, you can call an ARBICO Organics Specialist to help guide your recommendations to the right products to achieve your growing goals.

1275001	Soil Analysis		\$60.00
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SOIL CONDITIONERS



Nitron Formula A-35 With Micro-Nutrients

Improves Uptake Of Nutrients!

TARGET: Transplants, lawns, trees and bare root plants.

DESCRIPTION: Nitron Formula A-35 is an enzymatic soil conditioner that makes more nutrients available to your plants and crops, aids germination and increases microbial activity.

SUGGESTED USE: 1 quart/2,500 sq. ft. or 5 gallons/acre.

1320101	Nitron Formula A-35 - 1 Pt. (2 lbs.)	\$10.70
1320106	Nitron Formula A-35 - 1 Qt. (3 lbs.)	\$18.45
1320103	Nitron Formula A-35 - 1 Gal. (10 lbs.)	\$44.00
1320104	Nitron Formula A-35 - 5 Gal. (53 lbs.)	\$142.00



Nitron's Humic Acid

Cost-Effective Way To Add Humus To Your Soil!

TARGET: Soils lacking humus.

DESCRIPTION: One of the best natural conditioners for soil. This Liquid Humic Acid is made from compost and Leonardite, which is produced by the natural oxidation of exposed lignite, a low-grade coal.

Applying Liquid Humic acid has the following advantages:

- Penetrates the soil quickly, going directly to the roots for rapid absorption
- Easier to apply than compost
- Can be used with indoor plants
- Can be used with other fertilizers or soil conditioners
- Helps stabilize soil pH
- Increases soil bacteria
- Increases water retention

SUGGESTED USE:

- For indoor plants, 2 tsp./qt. of water.
- For outdoor yards or gardens, apply with a hose-end sprayer; one quart covers 2,500 square feet. Apply twice a year.
- For large acreage, 1 gallon/20 gallons water/acre.

1328401	Nitron's Humic Acid - 1 Quart (3 lbs.)	\$19.80
1328402	Nitron's Humic Acid - 1 Gallon (9 lbs.)	\$39.95
1328406	Nitron's Humic Acid - 5 Gallons (50 lbs.)	\$125.00



EM•1® Microbial Inoculant



Increase & Maximize Your Plants' Absorption Of Nutrients!

TARGET: Accelerate decomposition & reduce odors.

DESCRIPTION: Consists of healthy bacillus from naturally fermented live microorganisms. Works with beneficial microbes in the area it is applied to, creating a synergy among microorganisms and larger forms of life including insects, worms, pets, livestock and people.

SUGGESTED USE: 2 tsp./gal. water, 1 qt./250 gal. water, 1 qt./acre up to 8 times/yr.

1202099	12 oz. (1.25 lbs.)	\$14.99
1202101	1 Quart (3 lbs.)	\$23.99
1202102	1 Gallon (10 lbs.)	\$63.00
1202103	5 Gallons (53 lbs.)	\$243.00
1202104	55 Gallons*	CALL

*Call for freight quote.

Cannot be shipped to the following states: HI, PR, VI



Tiger 90CR® Organic Sulphur, 0-0-0-90



Lowers pH - Treats Alkaline Soil!

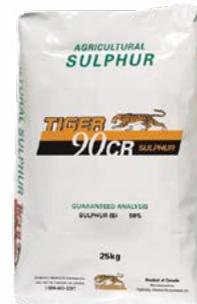
TARGET: Tiger 90CR Organic Sulphur is ideal for soil amendment purposes when a soil test result shows a high pH (above 7.0 and especially above 8).

DESCRIPTION: If your test results show a pH above 7.0 then many nutrients are not available to your plants and crops. Use this OMRI approved product to lower your soil pH. Tiger Organic 90CR can also be used as a source of plant nutrient sulfur for high sulfur-using crops like oil seeds and legumes. Its controlled release formulation will supply sulfur throughout the growing season. Application recommendations should be based on soil tests and crop removal rates of sulfur.

SUGGESTED USE: 250 lbs./acre or 5 lbs./1,000 sq. ft. and monitor pH level.

1440077	Tiger 90CR Organic Sulfur - 50 lb. bag (52 lbs.)	\$22.50
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CALL FOR LARGER SIZES



ARBICO Organics™ Compost Plus

Our Premium Formula – Made Exclusively At ARBICO Organics!

TARGET: Soils lacking beneficial bacteria resulting in plants with low brix levels.

DESCRIPTION: This compost is super-charged with billions of beneficial bacteria that will increase your plants' health making them grow faster, produce more and resist diseases and insect pests. It contains a specially formulated blend of fermented nitrogen and carbon materials that revitalizes soil, speeds up decomposition of organic matter and raises brix (sugar level—vitality) levels. **Our compost has chitinase which has nematocidal properties.**



SUGGESTED USE: Use 3-10 Tbsp./potted plant, mix. Use 1 lb./12 sq. ft. Use a 2 cubic ft. bag to treat 50 sq. ft. and use 2-4 tons/acre for farms.

1305601	1 lb. Bag	(2 lbs.)	\$8.90
1305602	5 lb. Bag	(6 lbs.)	\$11.50
1305610	1 cubic ft. Bag	(21 lbs.)	\$17.00
1305603	(2) 1 cubic ft. Bags	(41 lbs.)	\$28.00
1305607*	1/2 Ton Pickup Truck Load		CALL

*Call to arrange pickup. Pickup in Catalina, AZ.

Sustane® Compost Tea Bags, 4-6-4

This OMRI Listed Fertilizer Offers Dual Applications In One Simple Bag.

TARGET: For use as a plant food/soil amendment for all vegetables, flowers, trees and shrubs.

DESCRIPTION: These tea bags are filled with a high quality compost (derived from aerobically composted turkey litter, hydrolyzed feather meal and sulfate of potash) that is weed and pathogen free and made without bone or blood products. Each 21-gram bag requires no additional measuring or equipment to use and provides a controlled dose of nutrients for either foliar (compost tea) or soil (root feeder) application. Your plants will thrive abundantly with the micro-organisms, high nitrogen content and increased root growth these bags provide.

SUGGESTED USE: Steep tea bags in water for compost tea to be used either as a foliar spray or a soil drench or place in soil medium as a root feeder. For tea, use 1 tea bag per gallon of water. For root feeding, place in hole or pot before introducing plant and use 1 bag per gallon pot or every 12" of plant height.

1305550	1 Bag (12 ct.)	(.75 lb.)	\$9.00
1305555	1 Bag (12 ct.) Case of 5	(3 lbs.)	\$42.00
1305560	1 Bag (12 ct.) Case of 10	(6 lbs.)	\$80.00
1305570	1 Bag (50 ct.)	(3.5 lbs.)	\$25.00
1305575	1 Bag (50 ct.) Case of 5	(17.5 lbs.)	\$90.00



ARBICO Organics™ Compost Tea Bag

The Healthy Elixir For Your Plants!

TARGET: Plants that are stressed and need an extra boost!

DESCRIPTION: A highly concentrated extract of beneficial microorganisms.

SUGGESTED USE: Mix with up to 5 gallons of warm water. Steep for 8-48 hours. Agitate frequently. Use immediately (to preserve life of microorganisms) as a foliar spray or soil drench.



1305402	Compost Tea Bag - Small	(2 lbs.)	\$9.00
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ARBICO Organics™ Earthworm Castings

Will Help Suppress Disease, Improve Soil Structure & Will Not Burn Your Plants!

TARGET: Soils lacking nutrients and microorganisms.

DESCRIPTION: Castings add microbial life and nutrients to soil. One of the best ways to add nutrients to your soil!



Suggested Use - Earthworm Castings:	
Seedlings:	Use up to 20% Earthworm Castings by volume in potting mix.
Vegetables & Annuals:	Side dress with 1/2 cup of Earthworm Castings per plant every 2-4 weeks during growing season.
Transplants:	Place 1 in. of Earthworm Castings in planting hole before placing plant.
Potted Plants:	Mix 1 in. of Earthworm Castings with top of soil and water in. Take care not to harm shallow roots.
Trees & Shrubs:	Mix 1 in. of Earthworm Castings with the top of soil around base of plants every month during growing season.
Compost Tea:	Add 1 cup of Earthworm Castings per gallon of non-chlorinated water. Add 1 tsp. of unsulphured molasses and aerate for 24-48 hours by stirring frequently or by using an aquarium pump. Use weekly as a foliar spray or soil drench.

1308200	1 lb. Bag	(1.25 lbs.)	\$4.95
1308201	5 lb. Bag	(6 lbs.)	\$15.20
1308202	10 lb. Bag	(11 lbs.)	\$25.00
1308203	25 lb. Bag	(27 lbs.)	\$47.95

RootShield® Plus Granules & RootShield® Plus WP



Use This Biological Fungicide To Eliminate Hard To Control Diseases!

TARGET: Plant pathogens and resulting diseases such as *Phytophthora*, *Rhizoctonia*, *Pythium*, *Fusarium*, *Thielaviopsis*, and *Cylindrocladium*.

DESCRIPTION: OMRI listed and EPA registered, this product will help eliminate damaging fungal pathogens by colonizing plant root systems and by boosting biological diversity of the rhizosphere. This unique product is comprised of live microbial beneficial fungi *Trichoderma harzianum* strain T-22 and the newly developed *Trichoderma virens* strain G-41, delivering an extended array of pathogen control.

SUGGESTED USE: For control and prevention of major fungal pathogens and resultant diseases on greenhouse and nursery vegetables, herbs, ornamentals, fruits, conifer tree seedlings, various trees, legumes, oil seeds and peanuts. One application will last for approximately 12 weeks, and can be used with a 0-hr REI. This product can be used in conjunction with certain other fungicides, see label and other online resources for details.

For granular usage, mix about 1.5-3 lbs. to 1 cu. yd. of mix or about four 40 lb. bags to 100 cu. yds. of soil mix. For WP, use about 6 oz. of powder to 100 gal. of water. For plug trays, flats and small pot with 1-3 in. of soil, use about 100 gal. mix /800 sq. ft. For beds and pots 4-5 in. deep, use about 100 gal. mix /400 sq. ft. For azalea pots 6 in. deep, use about 100 gal. mix /1600 pots.

1332754	Granules 10 lb. Box	(15 lbs.)	\$188.00
1332755	Granules 40 lb. Bag	(45 lbs.)	\$421.00
1332756	WP 1 lb. Bag	(2 lbs.)	\$118.00
1332757	WP 3 lb. Box	(4 lbs.)	\$242.00

Granular cannot be shipped to: AK, MT, NV, ND **WP cannot be shipped to:** AK, ND, NY, NV



Cease® - Biological Fungicide



For Control Of Soil Pathogens As Well As Fungal & Bacterial Plant Diseases!

TARGET: *Botrytis*, powdery mildew, anthracnose, leaf spot diseases including *Alternaria* and *Entomosporium*; bacterial diseases such as *Pseudomonas*, *Erwinia*, and *Xanthomonas* spp., as well as the soil diseases *Rhizoctonia*, *Pythium*, *Fusarium* and *Phytophthora*.

DESCRIPTION: Cease is a contact biological fungicide that contains *Bacillus subtilis*, that stops pathogens from developing on plant leaves.

SUGGESTED USE: Approved for NOP production. Use 2-8 qts./100 gallons of water approximately once per week. (see label online for specific crops and diseases.) This product is suitable for wet applications. Use with a spreader sticker such as ThermX™-70 (see online) in wet environments.

1332724	1 Gallon	(10 lbs.)	\$75.50
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This product cannot be shipped to the following states: AK, NV



RootShield® Home & Garden



Help Your Vegetables, Flowers & Ornamentals Fight Root Diseases!

TARGET: For use against the following root diseases: *Pythium*, *Fusarium*, *Rhizoctonia*, *Thielaviopsis* and *Cylindrocladium*.

DESCRIPTION: RootShield Home & Garden is an OMRI listed product that will protect your plants from root disease pathogens and give them that extra boost to make them really flourish. The active ingredient in this natural pesticide is *Trichoderma harzianum*, strain T-22, a beneficial fungus. This organism has been thoroughly developed and tested in over 18 years of university studies and is now ready to work for you. It will protect your plants' roots from soil-borne diseases, which allows them to put their energy into growing and blossoming.

SUGGESTED USE: Mix RootShield Home & Garden with water (1-3 tbsp. per gallon) and apply immediately after mixing. Stir regularly during application. Use all your mixture, do not store product mixed with water. RootShield Home & Garden is designed for application to seeds, plant roots and soil for control of plant root diseases and not for spray application to foliage or fruit. **DO NOT APPLY** to sugarcane, peach, rice, mushrooms, kiwi, tobacco, barley, oats, lemon, apple and chickpea. Not for use on aquatic crops.

1332740	RootShield Home & Garden - 4 oz.	(1 lb.)	\$17.00
1332741	RootShield Home & Garden - 1 Case (12 bottles) (13 lbs.)		\$171.00

This product cannot be shipped to the following states: AK, HI, IA, MT, ND, NE, SD, WY



BONIDE® Sulfur Plant Fungicide

Effective Against Several Key Insect Pests As Well As Fungal Diseases

TARGET: Knockdown control for Apple Cedar Rust, Black Rot, Brown Rot, Chiggers, Citrus Red Spider, Fleas, Frog Eye, Leaf Spot, Powdery Mildew, Quince Rust, Rust Mite, Scab, Scale, Sooty Blotch, Thrips, Ticks, Two-Spotted Spider Mites and Russet Mites.

DESCRIPTION: This fine particles of this micronic sulfur product provide optimum coverage, adhesion and disease control and work equally well whether applied as a dust or mixed with water for a spray. For best results, apply thoroughly to all leaf surfaces before diseases develop and repeat weekly to maintain control.

SUGGESTED USE: Specially formulated for use on berries, cherries, grapes, citrus, apples, cucurbits, apricots and currants. Do NOT use when an oil spray has been applied within the prior month or when temperatures are expected to exceed 80°F. This container covers approximately 500 sq. ft. at the general mix and application rate.

1454701	1 lb. Bottle	(2 lbs.)	\$8.75
1454702	4 lb. Bag	(5 lbs.)	\$17.00



Actinovate® Lawn & Garden Fungicide



Prevents & Treats Lawn, Root & Foliar Diseases!

TARGET: Brown Patch (*Rhizoctonia*), Dollarspot (*Sclerotinia*), Take-all Patch (*Gaeumannomyces graminis*), *Pythium* Blights, *Pythium*, *Phytophthora*, *Rhizoctonia*, *Verticillium*, *Fusarium*, Late Blight, Powdery Mildew, Downy Mildew, Grey Mold (*Botrytis*), Fire Blight (*Erwinia*), Leaf Spots, Rusts and Black Spot (*Diplocarpon rosae*).

DESCRIPTION: Prevents and treats lawn, root, and foliar diseases. Contains *Streptomyces lydicus* beneficial microorganisms.

SUGGESTED USE: For vegetables, herb gardens, annuals, perennials, trees, shrubs and hydroponic growing. For soil diseases: water and drench soil with solution of 1-2 tsp./2 gals. water/cup of soil or 6" potted plant. For foliar disease, use solution of 1-2 tsp./2 gals. water per week. For indoor or hydroponic growing, use 1/2 to 1 tsp./gal. water every 2-6 weeks. For direct watering use 10 tsp./5 gal. water to cover 1,000 sq. ft. For pump sprayers, use 2 tsp./1 gal. water to cover 200 sq. ft. For hose end sprayers, use 2 tsp./4 oz. water to cover 200 sq. ft. and for severe issues, use 9 tsp./20 oz. water to cover 1,000 sq. ft. For best results apply with a wetting agent (available online) and reapply every 4-8 weeks.

1420000	Actinovate Lawn & Garden 20 grams	\$16.00
1420001	Actinovate Lawn & Garden 2 oz.	\$27.00

Cannot be shipped to the following states: AK, HI, PR



Monterey Liquid Copper Fungicide RTU



Utilize The Power Of Copper Octanoate To Control & Prevent Many Fungal Diseases.

TARGET: Use to control Powdery Mildew, Black Spot, Downy Mildew, Late Blight, Rusts, Leaf & Fruit Spot, Fruit Rot and Leaf Curl.

DESCRIPTION: This OMRI Listed liquid copper fungicide provides effective control and prevention for a wide range of plant diseases in fruits, vegetables and ornamentals. This product acts a protectant to keep infection from the plant, so it is important to have it on all sides of every leaf, fruit or flower. You can use this in the dormant and growing season up to the day of harvest. You need no additional equipment with this product.

SUGGESTED USE: When using Monterey Liquid Copper Fungicide RTU, it is important to identify the type of disease you are treating in order to use the best method of disease control. For further information and aid in identifying problems, please refer to product label. 1 quart will treat approx. 10 sq. yards. Begin when disease first appears and repeat at 7-10 day intervals as needed. Re-apply after rain.

1455150	Monterey Liquid Copper Fungicide 32 oz. RTU (2.5 lbs.)	\$13.70
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Monterey Complete Disease Control



This OMRI Listed Biofungicide/ Bactericide Works As A Spray Or As A Drench.

TARGET: For control or suppression of fungal and bacterial plant diseases such as blights, molds, spots, rots and mildews.

DESCRIPTION: The active ingredient in this OMRI listed, broad spectrum preventative biofungicide/bactericide is *Bacillus amyloliquifaciens* strain D747. When used as a soil drench, this naturally occurring bacterium goes straight to the plant's roots, where it will establish itself and grow. This colonization prevents the establishment of disease-carrying bacteria and fungi. When used as a foliar spray, this bacterium will overcome any pathogenic spores present. Can be applied up to and including the day of harvest.

SUGGESTED USE: Can be used as a spray to foliage and fruit or as a drench to plant roots. Spray application is recommended for those diseases affecting leaves, fruit and flowers-anything above ground. Drench application is recommended for diseases affecting roots, tubers or any other part that comes in contact with the soil. Mix 1 tsp. with a gallon of water (or use the ready-to-use formulation) and apply to houseplants, tropical plants, flowering plants, vegetables, shrubs, fruits, nuts and ornamental trees in residential landscapes, home gardens, and residential greenhouses.

1458203	32 oz. RTU	(2.5 lbs.)	\$16.40
1458200	8 oz. Concentrate	(1 lb.)	\$13.00
1458201	1 Pint Concentrate	(1.5 lbs.)	\$17.80
1458202	1 Gallon Concentrate	(10 lbs.)	\$101.99

RTU cannot be shipped to the following states: CT, HI, ID, MO, MS, NC, OH, RI

Concentrate cannot be shipped to the following states: CT, HI, ID, IL, MO, MS, NC, ND, OH, RI **Please Note:** Additional no-ship states for the 1 Gallon size (#1458202): NY, OK



BONIDE® Liquid Copper Fungicide

Use For The Control & Prevention Of Many Fungal Diseases!

TARGET: Works as a knockdown control for the following: Anthracnose, Bacterial Blight, Bacterial Leaf Spot, Black Spot, *Botrytis*, Brown Rot, Cedar-Apple Rust, Citrus Scab, Downy Mildew, Fireblight, *Phytophthora*, Powdery Mildew, and Scab.

DESCRIPTION: Liquid copper fungicide helps prevent and treat many diseases on a wide variety of trees and ornamental plants. Liquid Copper can be used on grapes, vegetables, fruit trees, berry bushes, roses, pine, cedars, and more. For garden use only.

SUGGESTED USE:

- Mix ≈2-6 tbs./gal. of water or 1 quart/100 gallons depending upon infestation.
- Repeat at 7-14 day intervals until harvest.
- Plant and crop-specific instructions included.

1455101	16 oz. Concentrate	(1.75 lbs.)	\$16.45
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SuffOil-X®



OMRI Listed Pre-Emulsified Mineral Oil Suffocates Many Soft-Bodied Insects & Controls Certain Fungal Diseases.

TARGET: Aphids, adelgids, armored scales, mealybugs, cankerworms, *Eriophyid* mites, leafrollers, leafhoppers, leaf tiers, plant bugs, psyllids, soft scales, spider mites, whiteflies, webworms and rust and powdery mildew.

DESCRIPTION: Made with a highly refined pre-emulsified mineral oil, this suffocant creates the optimum in coverage with limited risk of plant damage. The pre-emulsified process used creates a lighter oil that dries faster, will not cause phytotoxicity, burn or undue stress, leaves no toxic residue on plants and dilutes easily with water.

SUGGESTED USE: Can be used with a wide variety of crops indoors or outdoors. Do not apply through any type of irrigation system (chemigation), during periods of drought, or when plants exhibit moisture stress. Apply when oil will dry and evaporate in 1-2 hours and when relative humidity is less than 90%. Don't spray in high wind or temps over 95°F. Application rates are generally 1-2 gallons of SuffOil-X per 100 gallons of water or 20-500 gallons of spray solution per acre.

1332805	2.5 Gallons	(22 lbs.)	\$62.00
1332806	Case of 2 ct./2.5 Gals.	(42 lbs.)	\$112.00

Call for larger sizes.



BotryStop™ Biofungicide



These Fungal Spores Will Fight To Replace Pathogens On Plants.

TARGET: To be used as a preventative biological fungicide for the control of the pathogens *Botrytis cinerea*, *Sclerotinia sclerotiorum* and *Monilinia spp.*

DESCRIPTION: This preventative biological fungicide contains the naturally occurring, non-pathogenic saprophytic fungus *Unocladium oudemansii* (U3 strain). These spores control pathogens by aggressively occupying the same ecological space and out-competing them for resources. Spores will colonize dead and senescing plant tissue and push pathogens out, providing protection to fruit, blossoms, and plant tissue. OMRI listed BotryStop is non-invasive and poses no threat to living tissue. For use on a wide variety of crops and ornamentals in most areas; in CA it is **not** labeled for use on vegetables and ornamentals.

SUGGESTED USE: Do not apply through any type of irrigation system. Use with a surfactant or non-ionic adjuvant (such as ThermX™-70, available online) to ensure proper product wetting and spreading. Can be used in combination with other fungicides, but not more than one. The application rate range is 2-4 lb./acre. The most common rate is 3 lb./acre.

This product requires overnight shipping and must be kept refrigerated. It must be kept stored around 40°F, but not freezing.

1332840	12 lb. Bag	(13 lbs.)	\$270.00
1332841	Case of 12 lb. Bags/4 ct.	(50 lbs.)	\$1,000.00



BioSafe Disease Control - Concentrate & RTU



Eliminate Bacteria & Fungi On Contact!

TARGET: Preventive and curative treatment against plant pathogens and diseases such as *Alternaria*, Anthracnose, Aphanomyces, Bacterial Spot, Bacterial Speck, Black Spot, *Botrytis* (grey mold), Brown Spot, Downy Mildew, *Erwinia*, *Fusarium* (root rot), Leaf Spot, *Phytophthora*, *Plasmopara*, Powdery Mildew, *Pseudomonas*, *Pythium*, *Rhizoctonia*, Rust, Scab, Smut, and *Thielaviopsis*.

DESCRIPTION: Using the rapid oxidative property of peroxygen, this is a great alternative to copper-based products for eliminating bacteria and fungi on contact. It is safe to use repeatedly on a variety of crops without cultivating resistance or leaving behind any visible residues or odor. It can also be used in hydroponic and aquaponic growing systems and is excellent for cleaning or disinfecting surfaces, tools, water filters and equipment.

SUGGESTED USE: Can be applied to field or greenhouse melons, tomatoes, peppers, snap and dry beans. The 32 oz. RTU formula will cover around 12,000 sq. ft. For concentrate, mix at indicated rates, and fully saturate foliage. For foliar applications, use at an initial rate of 1:150 parts water (.85 fl. oz. to 1 gal. water). For weekly preventative use, mix at a rate of about 1:200 parts water (0.64 fl. oz. to 1 gal. water). For turf treatments, use about 1.3 fl. oz. per gal. of water, 3-10 gals. of solution will cover about 1,000 sq. ft. of lawn.

1222504	32 oz. RTU	(2 lbs.)	\$14.75
1222505	32 oz. RTS	(2 lbs.)	\$25.00



MilStop® Broad Spectrum Foliar Fungicide



Excellent For Controlling Powdery Mildew & Other Fungal Diseases!

TARGET: Powdery mildew, *Alternaria* blight, anthracnose, black spot, *Botrytis* blight, *Cercospora* leaf spot, downy mildew, *Phomopsis* blight, and *Septoria* leaf spot.

DESCRIPTION: MilStop is an OMRI listed, WSDA certified foliar fungicide. Potassium bicarbonate-based it kills powdery mildew on contact by pulling water from spores and their growing strands. It also inhibits enzymes involved in fungal cell wall formation by altering the pH on the leaf surface. Foliar applications provide 1-2 weeks of residual protection.

SUGGESTED USE: Generally 2.5 lbs./100 gal. of water. (See label online for specific crops, diseases and application systems.)

1332753	MilStop Foliar Fungicide - 5 lb. Bag	(6 lbs.)	\$63.00
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Cannot be shipped to the following states: AK



The Power of Peroxyacetic Acid

Similar in chemical makeup, SaniDate 5.0 and OxiDate 2.0 are two very different products with very different uses.

SaniDate 5.0 is a no rinse required sanitizer for greenhouse use. Using a peroxy compound, SaniDate can quickly and effectively reduce harmful pathogens. Not only can this product be used on hard surfaces in the greenhouse, it can be used for equipment sanitation, food prep surfaces and also irrigation lines. It can also be used as a post-harvest sanitizer. Mix SaniDate in your dip tank or spray directly onto harvested fruits and vegetables to prevent the pathogens that cause spoilage. SaniDate is a great, environmentally responsible alternative to chlorine.

OxiDate 2.0 is a pre-harvest bactericide and fungicide. OxiDate can be used in certified organic and conventional agriculture. Not only does OxiDate help prevent plant pathogens, it works as a curative product by killing fungal spores and bacterial inoculum. OxiDate does not have a REI and can be used until harvest. This product can be tank mixed with fungicides and insecticides for extra protection and because of the active ingredient is peroxygen, there is not concern of resistance.

SaniDate® 5.0



An OMRI Listed Sanitizer/Disinfectant.

TARGET: Bacteria including *Salmonella*, *Streptococcus*, *E. coli*, *Pseudomonas*, *Staphylococcus aureus*, *Listeria* and molds including mildew.

DESCRIPTION: Contains hydrogen peroxide and peroxyacetic acid as an alternative to chlorine to sanitize and disinfect post harvest equipment, fruit and vegetables and various hard surfaces. Usage industries include farms, dairies, beverage plants, food processing plants, greenhouses, etc. No dumping or run-off restrictions.

SUGGESTED USE: For general disinfection, sanitation of surfaces, food safety programs, irrigation systems and greenhouse use mix about 0.5 fl. oz./1 gal. of water. Solution can be applied various ways depending on desired usage. Applications can be made with mops, sponges, spraying devices, etc.

1222515	2.5 Gallons	(27 lbs.)	\$155.50
1222517	5 Gallons	(52 lbs.)	\$245.50

Call for larger sizes. All sales of SaniDate are final.

WARNING

Corrosive: Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Wear goggles, face shield, and rubber gloves when handling. Do not enter an enclosed area without proper respiratory protection. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse. Strong oxidizing agent. Do not use in concentrated form. Mix only with water in accordance with label instructions. Never bring concentrate in contact with other pesticides, cleaners or oxidative agents.



OxiDate® 2.0



Clean Your Greenhouse & Tools With This Environmentally Friendly Alternative To Copper Fungicides!

TARGET: Preventative and curative treatment against plant pathogens and diseases such as *Alternaria*, Anthracnose, *Aphanomyces*, Bacterial Spot, Bacterial Speck, Black Spot, *Botrytis* (grey mold), Brown Spot, Downy Mildew, *Erwinia*, *Fusarium* (root rot), Leaf Spot, *Phytophthora*, *Plasmopara*, Powdery Mildew, *Pseudomonas*, *Pythium*, *Rhizoctonia*, Rust, Scab, Smut and *Thielaviopsis*.

DESCRIPTION: OxiDate uses the rapid oxidative property of peroxygen to eliminate bacteria and fungi on contact! Use repeatedly on a variety of crops without cultivating resistance or leaving behind any visible residues or odor. OxiDate may also be used for cleaning surfaces, tools, water filters and equipment. Excellent for use in cleaning greenhouses.

SUGGESTED USE: Ensure that a minimum ratio of 1:100 is used.

1222501	2.5 Gallons	(29 lbs.)	\$225.00
1222502	5 Gallons	(52 lbs.)	\$360.00

Call for larger sizes.

Cannot be shipped to the following states: PR, VI, GU, AS, PW, AK, HI

*Free Shipping in the contiguous 48 states. Ships via Ground ONLY.



PERpose Plus™ Broad Spectrum Algacide & Fungicide



This OMRI Listed Algacide/Fungicide Works On Contact With No Odor!

TARGET: Algae, *Aphanomyces*, Anthracnose, *Alternaria*, *Botrytis*, Black Spot, *Fusarium*, *Erwinia*, *Phytophthora*, Leaf Spot, Powdery Mildew, *Plasmopara*, *Phythium*, *Pseudomonas*, Rust, Smut, Scab, *Rhizoctonia*, *Xanthomonas*, Wilts & Blights, *Thielaviopsis*, *Uncinula*, *Sclerotinia*.

DESCRIPTION: This hydrogen peroxide based, OMRI listed, broad spectrum algacide and fungicide works by oxidizing the outer cell membrane of vegetative endospore, fungus, algae, yeast and mold spore cells. The oxygen released in this process helps relieve anaerobic conditions. In addition to the hydrogen peroxide, this proprietary formula contains stabilizers and buffers that counteract phytotoxicity. This allows you to use PERpose Plus freely all over plant material and into the root zone without fear of damaging delicate plants. Unlike similar products that contain peracetic acid and emit a strong odor, PERpose Plus is odor free.

SUGGESTED USE: You can apply this product to any part of the plant, as a foliar spray or drench and in chemigation/irrigation systems. The rates for curative results are 1:100, or 1 fl. oz. per gallon of clean water and 1/3 - 1/4 fl. oz. per gallon of clean water as a weekly preventative rate.

1223000	5 Gallons*	(51 lbs.)	\$142.00
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*Call for freight quote. Larger sizes available.

This product cannot be shipped to the following states: CA



TRAPS

Repeater™ & Little Pete® Multiple Catch Mouse Traps

Catch & Release Multiple Mice At Once!

TARGET: Mice.

DESCRIPTION: These galvanized metal traps are designed to allow mice to enter the trap, while simultaneously latching door shut! See-through, and reusable. The smaller trap can hold up to about 9 mice at one time, the larger trap can hold approximately 30 mice!



SUGGESTED USE: Does not require bait. For best results, place a fragrant snack like peanut butter on a cracker into the trap. Place hinged side along floor boards and check trap regularly. Release mice promptly. Replace snack in trap, reset, and reuse!

1255101	Little Pete Multiple Catch Mouse Trap	(1.5 lbs.)	\$14.75
1255100	Repeater Multiple Catch Mouse Trap	(1.5 lbs.)	\$16.55

The Smart Mouse Trap

A Humane Solution For Trapping Pesky Mice!

TARGET: Mice.

DESCRIPTION: This innovative, no-kill and easy-to-use trap is made of green transparent plastic and has two stainless steel springs that maneuver the special trap door. As a mouse enters the trap to retrieve a snack, its minimal weight releases the spring trigger closing the door behind them! The little critter will then remain in the trap enjoying its treat until safely released back into the wild. Measures 3" x 7" x 2.5".



SUGGESTED USE: Bait with a "saltine" cracker (add peanut butter for extra appeal) in the bait holder, set the trap and check frequently. Release mouse as soon as possible! Trap can be cleaned and reused.

1255001	Smart Mouse Trap - 1 Per Box	(.64 lb.)	\$14.20
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NemaSeek Hb Beneficial Nematodes

If your lawn or garden is being damaged from moles, consider applying Hb Beneficial Nematodes and Milky Spore (see page 22). Moles are attracted to the insects and grubs in the soil and destroy plants by their tunneling to get to them. By controlling the grub populations, you are eliminating the moles food source and deterring them from the area. See pages 12-13 for more information.



REPELLENTS

BONIDE® Mouse Magic Mouse Repellent

Repel Rodents With Essential Oils From Homes, Sheds, Garages, Campers, Barns, Cellars & More!

TARGET: Mice.

DESCRIPTION: Repels with essential oils, such as spearmint and peppermint. Masks the scent of trails used to infest areas, and triggers escape and avoidance behaviors in rodents. One pack will treat an averaged sized room for approximately thirty days when used according to the directions.

SUGGESTED USE: Distribute where mice or rodents may feed, nest, or travel. Place near stored animal foods, near nesting and feeding entry ways, or under large appliances. Use one pack for an average size room, and increase the number of packs used, until desired level of control is reached.

1287710	4 Pack	(.5 lb.)	\$9.00
1287711	12 Pack	(1 lb.)	\$22.50

Cannot be shipped to the following states: DC, IN, KY, NM



BONIDE® Repels-All® Animal Repellent

Natural Ingredients That Repel A Variety Of Critters!

TARGET: Armadillos, beavers, birds, cats, crows, chipmunks, deer, groundhogs, mice, porcupines, rabbits, raccoons, rats, skunks, shrews, and voles.

DESCRIPTION: A comprehensive animal repellent for use on plants and property structures for up to 2 months per each application. Containing a mixture of dried blood, putrescent egg, garlic, fish oil, cloves, and onions it will repel animals with both smell and taste.

SUGGESTED USE: Rainfast after 6 hours. Do not use on edibles. Shake before using and mix the concentrate with appropriate amount of water. The 1 qt. concentrate will make up to 2 gallons of repellent. Apply as needed with any type of sprayer and water afterwards.

1287601	1 Quart RTU	(3 lbs.)	\$15.28
1287600	1 Quart Concentrate	(3 lbs.)	\$21.50

RTU cannot be shipped to the following states: IN, NM

Concentrate cannot be shipped to the following states: AK, IN, NM



REPELLENTS

Chase™ Granular Mole & Gopher Repellent

Biodegradable, Environmentally Friendly & Easy-To-ApPLY.

TARGET: Gophers & moles.

DESCRIPTION: This biodegradable, environmentally friendly and easy to apply granular repellent will help eliminate moles and gophers from lawns and gardens. This product can be used when tunnels or cone shaped mounds are present and from the spring until late in the fall without yellowing lawns. When the active ingredient of the repellent is ingested by moles or gophers, it causes digestive interruption, deterring pests from inhabiting treated areas.

Active Ingredients: Castor Oil 19.5%, Sodium Lauryl Sulfate 4.5%.

Inert Ingredients: Corn Cob Granules 76.0%.

SUGGESTED USE:

- Use at a rate of approximately 1 lb. / 1,000 sq. ft.
- Slowly adjust and test the rate of dispersal when using a hand spreader. Start out with an area of about 7 ft. by 7 ft. on a low speed and use only about 1/2 lb. of repellent.

1287900	6 lbs.	(10 lbs.)	\$23.50
1287901	32 lbs.	(40 lbs.)	\$79.00



Chase™ Liquid Mole & Gopher Repellent

This Easy-To-Use Liquid Repellent Will Help Eliminate Moles, Gophers, Voles, Armadillos And Other Burrowing Animals From Lawns & Gardens!

TARGET: Gophers & moles.

DESCRIPTION: Made from castor oil, this biodegradable, environmentally friendly and easy to apply liquid repellent will help eliminate pests like moles and gophers from lawns and gardens. This product can be used when tunnels or cone shaped mounds are present and from the spring until late in the fall without yellowing lawns. When the active ingredient of the repellent is ingested by pests it causes digestive interruption, deterring pests from inhabiting treated areas.

Active Ingredients:

Castor Oil USP or equivalent.....	65%
Sodium Lauryl Sulfate.....	15%

Inert Ingredients:

Water.....	20.0%
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SUGGESTED USE:

- If soil is dry, water for fifteen minutes before applying Chase
- Shake or stir well before using. Begin spraying Chase to area, using a systematic method to assure full coverage. In order to ensure complete treatment, it's recommended that you slightly overlap each area.

1287902	32 oz.	(3 lbs.)	\$25.00
1287903	1 Gallon	(10 lbs.)	\$48.50



Deer Ban™ Repellent Capsules



Odorless To Humans, These Gel Capsules Smell Like Coyotes To Deer!

TARGET: Use to repel deer in outdoor areas.

DESCRIPTION: Now you no longer need to use an animal repellent that is equally repellent to you as it is to animals; this product is completely odorless to humans. With these easy-to-use capsules your hands will not come into contact with the repellent; you simply drop them where you need coverage and add water to activate. The active ingredient of coyote urine does all the work by leaving that tell-tale predator scent. This biodegradable product can be used year round, will not wash away with rain or snow and offers up to 90 days of protection.

SUGGESTED USE: Disperse one capsule every 10-20 feet around your garden or flowerbed perimeter or place in planters. Be sure there is a capsule on every outside corner. Do not open capsules or disperse contents directly onto ground. Add water to activate repellent.

1264050	20 ct. Pack	(.25 lb.)	\$11.99
1264051	50 ct. Pack	(.25 lb.)	\$19.99
1264502	150 ct. Pack	(.25 lb.)	\$54.99



Birdscare Flash Tape®

Repel Birds In A Wide Variety Of Applications. Great For Vegetable Rows & Fruit Trees.

TARGET: Use to repel birds.

DESCRIPTION: As it moves in the wind, the snap and shine of this ribbon will frighten and deter even the most persistent of birds. Install tape shortly before crops ripen and feeding begins and remove when harvest is over; this will keep the birds from getting used to it.

SUGGESTED USE: Twist into a spiral and place over a crop every 30-40 ft. or in 2 ft. long streamers. Tape can be attached to a tree, fence, porch or building by running a string through it or with duct tape.

1269901	Birdscare Flash Tape - 7/16 in. x 290 ft.	(.12 lb.)	\$6.99
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CRAWLING INSECT CONTROL



Beneficial Nematodes - Triple Threat

Biological Control For Crawling Insects!

The Triple-Threat Combo includes one package of each of the Beneficial Nematodes that ARBICO Organics supplies: *Heterorhabditis bacteriophora*, *Steinernema feltiae* and *Steinernema carpocapsae*. Use the Triple Threat to combat a broad variety of soil developing pests! Safe for use around home and gardens! See pages 12-13 for more information.

ANT CONTROL

Monterey Ant Control



Adios Ants! This OMRI Listed Product Is The Answer You Have Been Looking For!

TARGET: Ants, earwigs, cutworms, sowbugs, pillbugs, crickets, slugs and snails. **Not for:** Fire ants, harvester ants, pharaoh ants and carpenter ants.

DESCRIPTION: This easy to apply granular product is made from iron phosphate and Spinosad – a beneficial bacteria that effects insects' nervous systems.

SUGGESTED USE: For use outdoors and on edible crops. Use about 1 tsp./sq. yd. or 1 lb./2000 sq. ft. Apply uniformly on grounds or soil and can be applied with a hand spread for larger areas. Apply only 3x a month, and do not apply within 3 days of harvest.

1257895	1 lb. Shaker Can	(1 lb.)	\$11.50
1257896	2.5 lb. Jug	(2.5 lbs.)	\$21.50

Cannot be shipped to the following states: MO, ND, NJ, SC, VA, WA, WV



FIRE ANT CONTROL

Orange Guard Fire Ant Control



Control Fire Ant Mounds Without Risking The Health Of Your Family, Pets Or The Environment.

TARGET: Fire ants.

DESCRIPTION: Orange Guard Fire Ant Control contains ingredients which are on the FDA GRAS list (generally recognized as safe). Orange Guard Fire Ant Control is water based, so further dilution is easy. It works by dissolving away the waxy coating on the ant's exoskeleton, which clogs their spiracles (how they breathe), and they suffocate.



SUGGESTED USE: Puncture the mounds and then saturate them, using 1/2 gallon of either full strength or diluted (3 parts of water to 1 part Orange Guard Fire Ant Control). Dilution does not harm grass and covers approximately 8 mounds.

1460005 1 Gallon (10 lbs.) **\$32.75**

Registered in Southern States and CA only, (where fire ants are found).

This product CAN ONLY be shipped to the following states: AL, AZ, AR, CA, CT, FL, GA, LA, MS, NC, NE, NM, OK, SC, TN, TX

CRAWLING INSECT CONTROL

Orange Guard® Home Pest Control



Works Against A Broad Range Of Insects On Contact, Keeps Repelling For Weeks.

TARGET: Crawling pest insects.

DESCRIPTION: Orange Guard has proven effective to provide effective control against a broad range of insects including cockroaches, ants, fleas, locusts, weevils, and many other hard to control insects. Orange Guard contains d-Limonene, which is steam distilled orange peel oil. Orange Guard may be used around food, humans and pets and is EPA registered. Smells great too!



SUGGESTED USE: For indoor use, spray from 12 inches directly on pest insects. Saturate until visibly wet. Wait 3 minutes, then wipe excess with damp cloth. Apply to pet bedding to repel fleas. Keeps repelling for weeks. For outdoor use, generously spray perimeter of home and anywhere pests can enter to make a barrier of protection.

1460001	32 oz. Spray Bottle	(3 lbs.)	\$10.97
1460002	1 Gallon with Sprayer	(10 lbs.)	\$35.00
1460003	Replacement Sprayer	(.25 lb.)	\$5.30



J.T. Eaton™ Answer® Boric Acid Insecticidal Dust

A Boric Acid Barrier That Beats Pests!

TARGET: Roaches, palmetto bugs, ants, silverfish, fleas & more.

DESCRIPTION: Boric acid is the refined crystalline material derived from Borax. When ingested by an insect, it causes digestion disruption, and the insect starves to death. When crawling insects return to their nests to die, other insects consume them, which spreads the insecticide, killing even more.

SUGGESTED USE: The 16 oz. bottle has a puffer top to easily spread its contents anywhere crawling insects may enter or hide, such as windowsills, doorsills, under cabinets, behind appliances, around floor drains, water pipes and cracks & crevices along baseboards. Ingredients: Contains boric acid and non-caking agent.



1452420	16 oz. Puffer Bottle	(1.5 lbs.)	\$8.00
1452425	5 lb. Tamper-evident Pail	(6 lbs.)	\$25.00
1452430	25 lb. Tamper-evident Pail	(27 lbs.)	\$67.50

Essentria™ G Granular Insecticide

A Granular That Handles A Handful Of Outdoor Pests!

TARGET: Ants, bermuda grass mites, centipedes, chiggers, chinch bugs, clover mites, cockroaches, crickets, earwigs, fall armyworms, fleas, leafhoppers, millipedes, sowbugs/pillbugs, and other insect pests.

DESCRIPTION: This quick and long-lasting natural granular insecticide uses essential botanical oils clove, thyme and wintergreen to treat various pests. Easy to use outdoors on landscapes, turf, building facilities and around organic operations, sensitive areas such as schools, and in aquatic environments.

SUGGESTED USE: Use with a hand spreader. For treatments around buildings, apply uniformly a band about 5-10 ft. wide. For landscapes and turf, use around 3-5 lbs./1000 sq. ft. Water in, applying about 1/8 in. - 1/4 in. of water without puddling. For ant mounds, use about 1-2 tsp./nest. For red imported fire ants, use around 1/2 cup/nest and make a 2 ft. band around nest.

1273050	Essentria G Granular Insecticide - 22 lbs.	(25 lbs.)	\$67.50
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Perma-Guard™ Crawling Insect Control



An OMRI Listed Diatomaceous Earth Insecticide That Really Does The Job!

TARGET: Any crawling or hopping pest insect.

DESCRIPTION: Perma-Guard Crawling Insect Control is Diatomaceous Earth mixed with crystalline silica. D.E. is the crushed fossilized shells of microorganisms; this fine dust clings easily to whatever passes through it. When an insect comes into contact with this dust, it proves fatal. The D.E. absorbs the waxy cuticle around the insect body, which causes it to dehydrate and die in as little as 48 hours. This physical method of killing eliminates the possibility of insects becoming immune to the insecticide, as can be the case with chemical controls. With regular applications of this OMRI listed product, you will receive continued protection.

SUGGESTED USE: Apply with a hand duster, power duster or as slurry to areas where insects are found. Avoid introducing into the air. Dust insects directly, if possible.

1218250	Perma-Guard - 2 lb. Bag	(3 lbs.)	\$10.15
1218260	Perma-Guard - 5 lb. Bag	(6 lbs.)	\$18.35

Case sizes available.

Cannot be shipped to the following states: AK, CO, HI, LA, ME, MD, MA, MS, NJ, NC, OH, OK, PA, RI, SD, TN, UT, WV, WI, WY



EcoPCO® AR-X Multi-Purpose Insecticide

Quick Pest Knockdown In A Gentle Botanical-Based Formula!

TARGET: Ants, carpet beetles, carpenter ants, carpenter bees, centipedes, chocolate moths, clover mites, cockroaches, crickets, drugstore beetles, earwigs, elm leaf beetles, fleas, millipedes, pillbugs, power post beetles, scorpions, silverfish, spiders, termites, *Trogoderma* beetles and wood wasps.

DESCRIPTION: This Pyrethrin-based, multi-purpose insecticide is designed for use in sensitive areas and is approved for use in food handling areas like homes, hospitals, commercial kitchens, daycare centers, restaurants and food processing facilities. This unscented contact kill product is non-staining and contains no PBO or CFCs. Can be used inside and out, with the outside applications limited to direct applications to vegetation, foundations and crack and crevices. Not for exterior aerial applications.

SUGGESTED USE: Apply to cracks and crevices; release approximately 1 second of product per crack-crevice application and from 2-3 seconds per cubic foot of closed void space. For wood pests, locate infestation and drill holes 8-10" into insect tunnels and inject 5-10 seconds per hole. Apply more liberally for heavy infestations. Ensure contact with as many insects as possible.

1457403	EcoPCO® AR-X Multi-Purpose Insecticide	(1.7 lbs.)	\$17.99
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HOUSEHOLD PEST CONTROL

REVENGE® Moth Trap

This Pantry Moth Trap Uses Pheromone Lures To Attract The Moths & Trap Them!

TARGET: Adult moths (Indian meal moths, almond moths and raisin moths).

DESCRIPTION: This trap attracts and captures adult flour moths. These moths are found in flour, rice, crackers, dog food, bird seed and cereal. Trap works by luring male moths into trap with a pheromone (insect hormone) that female moths use to attract males for mating. Reducing the number of male moths reduces egg laying and mating. It is a good idea to keep a few of these traps on hand. Traps work without harmful chemicals!

SUGGESTED USE: Use one or two traps for an average sized room or closet and they will last 3 months.

1280302	Revenge Pantry Moth Trap - 2 Pack	(.5 lb.)	\$6.10
1280303	Revenge Pantry Moth Trap - 2 Per Pack/Pack of 3	(1 lb.)	\$17.25
1280304	Revenge Pantry Moth Trap - 2 Per Pack/Pack of 6	(1.5 lbs.)	\$31.50
1280305	Revenge Pantry Moth Trap - 2 Per Pack/Pack of 12	(2 lbs.)	\$60.00



BioCare® Clothes Moth Trap

Uses A Natural Pheromone Lure!

TARGET: Adult male clothes moths.

DESCRIPTION: The Clothes Moth Trap attracts and captures adult male clothes moths. It signals when an infestation is present, but does not control larvae on clothing or personal objects. Female moths are especially attracted to oily or soiled fabrics, where they lay their eggs. The moths avoid light and are therefore difficult to find and identify. The Clothes Moth Trap catches webbing clothes moths during their mating season by using a natural pheromone lure. If moths are found in the trap, take immediate measures to control the larvae. Search out damaged fabrics and destroy, dry clean or freeze them (in a deep freeze for at least 14 days).

SUGGESTED USE: Open box carefully. Remove inner parts. Peel release paper from enclosed sticky pad. Remove lure from foil pouch and place in center of sticky pad. Fold top and bottom flaps inside box. Insert pad as shown on back of package. Place trap where moths occur (bedroom closets). Use tab on side of box to pin trap to a wall at eye level. Replace every 12 weeks, or sooner if full of insects. Use traps all year round.

1260702	Clothes Moth Trap	(.5 lb.)	\$8.35
1260703	Clothes Moth Trap - Pack of 3	(1 lb.)	\$23.25
1260704	Clothes Moth Trap - Pack of 6	(1.5 lbs.)	\$42.00
1260705	Clothes Moth Trap - Pack of 12	(2 lbs.)	\$81.00



Terro® Ant Baits

Two Ways To Get Rid Of Ants!

TARGET: Sugar and grease-eating ants including argentine, ghost, cornfield, pavement, acrobat, white footed, little black, odorous house, crazy and big headed ants.

DESCRIPTION: Comes in 2 formulations, RTU bait stations and Build-Your-Own.

SUGGESTED USE: Locate indoors or outdoors. Use remaining bait to make your own bait stations with paper or cardboard.

1257403	6 (pre-filled) Bait Stations	(.5 lb.)	\$7.89
1257401	Build-Your-Own Ant Killer Kit	(.25 lb.)	\$5.40



BioCare® Cockroach Traps

Powerful Attractant Lures Cockroaches!

TARGET: Cockroaches.

DESCRIPTION: Uses a powerful natural attractant to lure roaches onto a sticky glue surface.

SUGGESTED USE: Should be placed along baseboards, under sinks, and near water pipes in warm, dark areas near a food supply. Each trap covers approximately 25 sq. ft. and will last for 2 months.

1260201	Cockroach Traps - 6-Pack	(.5 lb.)	\$8.00
1260202	Cockroach Traps - (2) 6-Packs	(1 lb.)	\$14.75
1260203	Cockroach Traps - (4) 6-Packs	(2 lbs.)	\$26.00



Harris Famous Roach Tablets

These Super Easy To Use Tablets Are Effective For A Long Time!

TARGET: Roaches, waterbugs, silverfish and ants.

DESCRIPTION: These tablets use Boric Acid, sugar, flour and a proprietary lure to create a food that insects crave. If kept dry, tablets can remain effective for several years. But, for best results, it's recommended that you replace tablets yearly. Contact with insect spray will negatively affect the performance of the tablets. One box can treat an entire house. Can be used in domestic and non-domestic settings (i.e., new construction).

SUGGESTED USE: Before placing tablets, clean up any leaks, cover any garbage or food and block any areas where roaches may be gaining entrance or hiding. Use no more than 12 per room. Place in cracks and crevices, under and behind appliances, in cabinets and in and underneath drawers. Any tablet visible after application must be pressed into cracks and crevices or removed.

1219550	Harris Famous Roach Tablets - 6 oz.	(.5 lb.)	\$6.25
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For More Household Pest Control Solutions, Visit arbico-organics.com

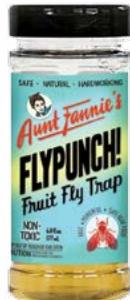
Aunt Fannie's FlyPunch!



Pesky Fruit Flies Can't Wait To Dive Into These Jars!

TARGET: For use against Fruit Flies (*Drosophila*).

DESCRIPTION: Fruit flies are not just nuisance pests; they can transmit many pathogens, including *Escherichia coli* (*E.coli*) bacteria. This unique formulation acts to attract, disable and kill fruit flies. The attractant will draw them into the dispenser and, once they touch the substance inside, it works to break down their exoskeleton. The disabled insect will be drawn down into the liquid and drown.



SUGGESTED USE: No mixing or assembly required, simply open the DiveJar flip top and place near common fruit flies areas. One DiveJar covers an area about 500 cu. ft. FlyPunch! Is most potent for the first 2 weeks, but may last up to 30 days. Dispose of DiveJar when full.

1280650	Aunt Fannie's FlyPunch! - 6 oz.	(.5 lb.)	\$7.99
1280655	Aunt Fannie's FlyPunch! - 6 oz./6 Pack	(3.5 lbs.)	\$43.00

BioCare® Glass Insect Trap

You Can Add The Lure Of Your Choice To This Decorative Glass Trap.

TARGET: For use indoors or outdoors to trap and kill flying insects.

DESCRIPTION: This beautiful colored glass trap stands about 5" tall and can be placed on a table or hung up (don't put it too close to where you eat or gather). This trap will draw insects into a hidden entrance on the bottom; once inside, they drown. Comes without a bait, so you have the option to choose one that most closely fits your needs. We recommend the BioCare Fruit Fly Lure, or you could create your own bait.



SUGGESTED USE: For a powerful all-purpose bait, add ¼ cup fruit juice, a dime-sized portion of fish, meat or cat food and 2 drops of dish soap. Remove cork, tilt jar and pour liquid in, then replace cork. Re-bait trap when full or every 2-3 weeks.

1280903	Glass Insect Trap	(1.25 lbs.)	\$13.95
1280905	BioCare Fruit Fly Lure - 3 Pack	(.6 lbs.)	\$5.40
1280900	Glass Fruit Fly Trap Kit (1 Trap, 3 Lures)	(1.85 lbs.)	\$16.50

BioCare® Window Fly Trap

A Clear, Pesticide-Free Way To Catch Flies.

TARGET: Multiple species of flies.

DESCRIPTION: This trap will capture flies in your windows, where they are drawn by the heat and light. These unobtrusive, clear sticky traps work as a bright spot on the window to attract the fly's attention and ensnare them.

SUGGESTED USE: Remove narrow strip release paper, attach to window and then remove front release paper quickly. Replace when full or every 3 months.



1280601	Window Fly Trap - 4-Pack	(.2 lb.)	\$4.75
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BED BUG CONTROL



Harris Bed Bug Killer

This OMRI Listed D.E. Product Is Effective Against So Much More Than Bed Bugs!

TARGET: Bed bugs, fleas, cockroaches, silverfish, ants, Asian lady beetles, boxelder bugs, cluster flies, carpet beetles, millipedes, centipedes, crickets, earwigs, slugs and more.

DESCRIPTION: Effective against bed bug adults, nymphs and hatchlings, these tablets are also a potent weapon against other indoor and outdoor pests and those that travel in between, like fleas, crickets and ants. Virtually any insect that crawls through or jumps into this powder will suffer fatal damage to its exoskeleton, causing dehydration and death. This powder is odorless and non-staining and will remain effective for months, as long as it is kept dry and undisturbed.



SUGGESTED USE: Apply to cracks and crevices in dry areas by dusting with suitable equipment such as Insecticide Puffer (see online). Apply lightly and uniformly. Dust insects directly if possible and repeat treatment regularly. Spot treatments should not exceed 2 sq. ft. Amount of product to use should be in the range of 1-5 oz./100 sq. ft.

1219500	8 oz. Puffer Bottle	(1 lb.)	\$8.00
1219501	32 oz. Spray	(3 lbs.)	\$12.00
1219502	64 oz. With Duster	(5 lbs.)	\$16.29

ClimbUp®

Do You Worry About Bed bugs? This Device Can Help.

TARGET: Residential or commercial spaces where furniture and bedding should be monitored for bed bugs.



DESCRIPTION: ClimbUp is a tough, plastic, re-usable double well cup that is placed under the legs of beds (or other furniture that you rest or sleep on) to intercept any bugs entering or leaving the bed. ClimbUp contains no chemicals or pesticides so it will not outright kill the insects. They will eventually dehydrate and die in the trap. ClimbUp should be seen as a monitoring device and not an insect control measure.

SUGGESTED USE: Place ClimbUp devices under each leg of the furniture where people sleep or rest. Monitor frequently to determine presence of insects. Clean and re-lubricate as needed.

1250100	ClimbUp Original 1 Unit	(.25 lb.)	\$4.75
1250101	ClimbUp Original 4-Pack	(1 lb.)	\$13.50
1250102	ClimbUp Original 12-Pack	(3 lbs.)	\$35.95

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