Tip Top Bio-Control offers a complete line of Beneficial Insects!

Recognized as a leader in the Beneficial Insect industry, we, at a grass roots level, provide natural alternatives to chemical pest control. Tip Top Bio-Control caters to the needs of both the large and small dealers, quickly fulfilling all product requests. Our brand represents the best in quality and distinctive packaging. Our “Endless supply of Ladybugs” reputation as the industry leader and our “One Stop” shop source for all of your Beneficial Insect control needs has been the source of our fame and success in the market. We have been family owned and operated since 1986! Come join our business family!

Guaranteed Live Delivery!

www.TipTopBio.com
Beneficial Insects any

TipTopBio
Control
Family Owned Since 1986

Reasons to do Business with Tip Top

PET & PEOPLE SAFE

Free shipping on orders over $100!

www.TipTopBio.com / Phone: 805.445.9001
way you want them!

Grub & Soil Pest Exterminator
Live Beneficial Nematodes
- Hb: Heterorhabditis bacteriophora
- Japanese Beetle, Cutworms, Grubs, White Grubs, Maydogs, Grubs, Grubs, Grubs

Fungus Gnat & Rootknot Exterminator
Live Beneficial Nematodes
- blames: Meloidogyne incognita, Ditylenchus dipsaci, Pratylenchus penetrans
- Japanese Beetles, Cutworms, Grubs, White Grubs, Maydogs, Grubs, Grubs, Grubs

Triple Blend Soil Pest Exterminator
Live Beneficial Nematodes
- S. colubrostrum, S. cubensis, S. carpocapsae
- Japanese Beetles, Cutworms, Grubs, White Grubs, Maydogs, Grubs, Grubs, Grubs

Flea & Soil Pest Exterminator
Live Beneficial Nematodes
- C. personae, S. carpocapsae, S. feltiae
- Japanese Beetles, Cutworms, Grubs, White Grubs, Maydogs, Grubs, Grubs, Grubs

Green Lacewing Eggs
- Control outdoor flys

Good Bug Diet
- Good for your soil and the good bugs diet!

Fax: 805.482.7846 / Email: Sales@TipTopBio.com
Ladybugs are a must have for any organic gardener/farmer. Our Ladybugs are crawl cleaned and pre-fed prior to shipping so you can be assured you are getting the freshest Ladybugs available today. All retail products are UPC coded and have complete instructions on use and release. All retail Ladybug packages contain food/drink packs, which adds to our Ladybugs' shelf life and health. Store your Ladybugs in your company's refrigerator and display a few at a time. Great impulse buy at the register.

Mini Mesh Bag
Item# LBM-PROMO
Contains: 300 Pre-fed Ladybugs
UPC: 657994-10046-1
- Case count: 25
- Great for promotional use
- Clip or hang at register
- Bright Packaging

Retail Paper Cup
Item# LBC
Contains: 1,500 Pre-fed Ladybugs
UPC: 657994-10007-2
- Case count: 25
- Bright Packaging
- Great Impulse Buy
- Recyclable Container

Retail Mesh Bag
Item# LBM
Contains: 1,500 Pre-fed Ladybugs
UPC: 657994-10010-2
- Case count: 25
- Great Impulse Buy
- Clip or hang at register
- Bright Packaging

Retail Breathable Pouch
Item# LBP
Contains: 1,500 Pre-fed Ladybugs
UPC: 657994-10009-6
- Case count: 25
- Breathable sealed pouch
- Clip or hang at register
- No more Ladybug dung on counter!

Good Bug Diet / Ladybug Food
Feeds & Attracts Beneficial Insects!
Add to water and spray around plants!
Item# BUGDIET-SMALL 1/4 Pound
Item# BUGDIET-MEDIUM 1/2 Pound
Item# BUGDIET-LARGE 1 Pound

Release Rates

<table>
<thead>
<tr>
<th>Item#</th>
<th>Contains</th>
<th>Treats Up To:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBM-PROMO</td>
<td>300</td>
<td>200 sq. ft.</td>
</tr>
<tr>
<td>LBM</td>
<td>1,500</td>
<td>1,000 sq. ft.</td>
</tr>
<tr>
<td>LBC</td>
<td>1,500</td>
<td>1,000 sq. ft.</td>
</tr>
<tr>
<td>LB-HP</td>
<td>4,500</td>
<td>3,000 sq. ft.</td>
</tr>
<tr>
<td>LB-PT</td>
<td>9,000</td>
<td>6,000 sq. ft.</td>
</tr>
<tr>
<td>LB-Q</td>
<td>18,000</td>
<td>12,000 sq. ft.</td>
</tr>
<tr>
<td>LB-HG</td>
<td>36,000</td>
<td>1/2 Acre</td>
</tr>
<tr>
<td>LB-G</td>
<td>72,000</td>
<td>1-5 Acres</td>
</tr>
</tbody>
</table>

Be aware these are general release rates for light; moderate infestation

Good Bug Habitat Seed Mix
Provides an array of flowers that protect, feed & attract Beneficial Insects!
Item# BUGSEED-SMALL 1/4 Pound
Item# BUGSEED-MEDIUM 1/2 Pound
Item# BUGSEED-LARGE 1 Pound
“Old School” Values!  
Since 1986

Bulk Ladies!

**Half Pint**  
Item# LB-HP  
Contains: 4,500 Pre-fed Ladybugs  
- Packed in reusable eco-friendly drawstring cotton bag  
- Easy to store  
- Ideal for multiple releases

**Pint**  
Item# LB-PT  
Contains: 9,000 Pre-fed Ladybugs  
- Packed in reusable eco-friendly drawstring cotton bag  
- Easy to store  
- Ideal for multiple releases

**Quart**  
Item# LB-Q  
Contains: 18,000 Pre-fed Ladybugs  
- Packed in reusable eco-friendly cotton bag  
- Easy to store  
- Ideal for multiple releases

**Scientific Name:** Hippodamia convergens  
**Preys On:** Aphids, Mealybugs, Mites, Whiteflies, & more.  
**In Store Storage:** Display Ladybugs out of direct sunlight. They may be refrigerated for 4 weeks. While in refrigerator, do not water. While Ladybugs are on the counter, lightly water once a week or as needed, 2-3 mists with a squirt bottle is about right. Rotate units from counter to fridge weekly to prolong shelf life.  
**Commercial Storage:** Ladybugs may be stored in regular refrigerator. Mortality increases slightly with commercial storage. Best if used within 3 days.

**How To Release Ladybugs The Right Way**

<table>
<thead>
<tr>
<th>Time of Day</th>
<th>Release Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>am</td>
<td>Release Ladybugs at dawn or dusk. Cloudy days are perfect all day.</td>
</tr>
<tr>
<td>pm</td>
<td>Release Ladybugs on foliage and at the base of the plants. Ladybugs like to climb upwards as they seek food.</td>
</tr>
</tbody>
</table>

**Commercial Quantities Available!**
Due to the size and unique packaging of these items, additional shipping charges may apply and require overnight freight service. We can bundle up to 4 gallons/half gallons in one crate to save on freight!

**Half Gallon in Crate**  
Item# LB-HG  
Contains: 36,000 Pre-fed Ladybugs

**One Gallon in Crate**  
Item# LB-G  
Contains: 72,000 Pre-fed Ladybugs

Fax: 805.482.7846 / Email: Sales@TipTopBio.com
Praying Mantis are always a good seller. They are the ultimate general predators, hunting and feeding on any insect they can capture. Praying Mantis are our only seasonal item, usually available November through June, depending on supply. Each egg case should hatch out approximately 50-200 baby Mantises. At 70°F., it can take up to 6 weeks to hatch, depending on when the female frothed her egg sack.

**Praying Mantis any way you want them!**

**“Hatching Habitat” Paper Cup**  
Item# PMEC-2RC  
2 Egg Cases  
UPC: 657994-10031-7  
Release Rates: 3,500 sq.ft.  
- Case count: 25  
- Bright Packaging  
- Great Impulse Buy  
- Recyclable Container

**“Breathable” Pouch**  
Item# PMEC-2RP  
2 Egg Cases  
UPC: 657994-10033-1  
Release Rates: 3,500 sq.ft.  
- Case count: 25  
- Bright Packaging  
- Great Impulse Buy  
- Clip or hang at register

**Bulk Order Bag**  
Item# PMEC-BULK  
Minimum of 50 Egg Cases  
Release Rates: 1,250 sq.ft. per Egg Case  
- Add additional amount of Egg Cases  
- Perfect solution for large scale grows  
- Mail Order, Catalog Sales

*Scientific Name:* Tenodera aridifolia sinensis.  
**Adult:** Up to 3 inches long, green or brownish color.  
**Preys On:** Anything they can catch. However, they will usually avoid eating Ladybugs, they taste bad.  
**In Store Storage:** To prevent hatching, keep Praying Mantises in a refrigerator. Rotate units at counter with units in fridge on a weekly basis. While stored in a refrigerator, the eggs will remain unhatched until August. Hatching later than this may not give the baby Mantises time to mature and reproduce before the winter freeze.

*How To Release Praying Mantis The Right Way*

**OUTDOOR**
- Place in crotch of a plant or hang with a string or paper clip 1 to 2 feet off the ground or anywhere in canopy of plant.

**INDOOR**
- Place in a warm area out of direct sunlight.  
- To encourage hatching, incubate egg case between 70°-88°F.

- Be patient, it may take up to 6 weeks or longer to hatch, depending on when the female Mantis frothed her egg sack.

- Once hatched, release within 24 hours.

- Release Mantises directly on plants under cover to protect from predators, i.e., birds, lizards and rodents.

**Release Rates:**
- 3,500 sq.ft. per Egg Case
- 1,250 sq.ft. per Egg Case

*Note: Buying in case counts will qualify you for our Free/Assisted Freight Program. Free/Assisted Freight Program available for all retail packaging. See price list.*

*Praying Mantis are only available November - June*
Red Worms are popular due to their many useful applications. Although Red Worms do not prey on other bugs, they are the perfect solution for composting, aeration and fishing bait. These worms are “Farm Bred” and great care is taken to ensure the quality of these worms before packaging. Our innovative designed retail packages contain enough worms to properly start your own store bought compost bin.

Red Worms aka “Red Wigglers” any way you want them!

**Scientific Name:** Eisenia fetida.  
**Adults:** Each Red Worm ingests its weight in organic matter every 24 hours. The worm’s intricate digestive tract makes it possible for them to excrete a highly nitrous fertilizer called castings, which can contain 5X the available nitrogen, 7X the available phosphorus, 3X the exchangeable magnesium, 11X the available potash, and 1.5X the calcium found in top soil.

**In Store Storage:** Store Red Worms in a cool spot out of direct sunlight. If temperatures are extremely hot, you may place the units in a refrigerator. Shelf life 30 days.

**Red Worm Release Rates**

<table>
<thead>
<tr>
<th>Item#</th>
<th>Quantity</th>
<th>Treats Up To</th>
</tr>
</thead>
<tbody>
<tr>
<td>RW-300</td>
<td>300</td>
<td>600 sq. ft.</td>
</tr>
<tr>
<td>RW-HP</td>
<td>500-600</td>
<td>1,200 sq. ft.</td>
</tr>
<tr>
<td>RW-LB</td>
<td>1,000-1,200</td>
<td>2,400 sq. ft.</td>
</tr>
</tbody>
</table>
Beneficial Nematodes are microscopic worms that seek out and destroy over 200+ kinds of soil dwelling insects. We supply these worms as three unique individual species; Steinernema feltiae (Sf), Heterorhabditis bacteriophora (Hb), and Steinernema carpocapsae (Sc) as well as our Triple Blend (Hb+Sc+Sf) mix. Each species of Nematodes prefer specific prey, although, they will attack and parasitize most all other forms of soil dwelling insects as well. Nematodes broad range make them one of our best sellers and top choice for customers and retail outlets. Complete release instructions included in every package.

**Beneficial Nematodes in Easy Release Powder Formula**

**Now available in larger packs!!**

**TRIPLE BLEND SOIL PEST EXTERMINATOR**
Species: HB+SC+SF
Item# NTRP1
UPC: 657994-61344-2
Contains: 5 million Nematodes per package
- Case Count: 6
- Treats up to 1,250 sq.ft.
- Easy Application. Simply mix with water!
- Ideal for large & small pest problems
- Larger sizes available
- See Pest Guide, pg.11 for specific pest application

**GRUB & SOIL PEST EXTERMINATOR**
Species: Heterorhabditis bacteriophora - HB
Item# NBEN1
UPC: 657994-10036-2
Contains: 5 million Nematodes per package
- Case Count: 6
- Treats up to 2,000 sq.ft.
- Easy Application. Simply mix with water!
- Ideal for large & small pest problems
- Larger sizes available
- See Pest Guide, pg.11 for specific pest application

**FUNGUS GNAT & ROOTKNOT EXTERMINATOR**
Species: Steinernema feltiae - SF
Item# NFUN1
UPC: 657994-10038-6
Contains: 5 million Nematodes per package
- Case Count: 6
- Treats up to 500 sq.ft.
- Easy Application. Simply mix with water!
- Ideal for large & small pest problems
- Larger sizes available
- See Pest Guide, pg.11 for specific pest application

**FLEA & SOIL PEST EXTERMINATOR**
Species: Steinernema carpocapsae - SC
Item# NNEM1
UPC: 657994-10037-9
Contains: 5 million Nematodes per package
- Case Count: 6
- Treats up to 2,000 sq.ft.
- Easy Application. Simply mix with water!
- Ideal for large & small pest problems
- Larger sizes available
- See Pest Guide, pg.11 for specific pest application

**FIRE ANT EXTERMINATOR**
Species: Steinernema feltiae - SF
Item# NANT1
UPC: 657994-80270-9
Contains: 5 million Nematodes per package
- Case Count: 6
- Treats up to 5 Fire Ant Mounds
- Easy Application. Simply mix with water!
- Ideal for RIFA Ant control
- Larger sizes available

**Hose End Sprayer**
Item# HOSEND
UPC: 657994-26786-7
- Case count: 6
- Connect to a garden hose
- Apply Nematodes in minutes!

**Ideal Temperature Range:** Above freezing.
**Preys On:** Over 200+ soil pests.
**See Pest Guide on page 11.**

**In Store Storage:** Store Nematodes in Easy Release Formula in refrigerator. Shelf life 30 days.

**Bulk Qtys Available on all Nematodes!**

See Next Page
Beneficial Nematodes attack 200+ Soil Pests

Safe to use around Humans and Pets!

How To Use Nematodes The Right Way

- Release in the morning, evening or indoors anytime.
- Avoid direct sunlight.
- Cloudy Days are perfect all day.
- Irate soil before application.
- Add Nematodes into a bucket containing 1-5 gallons of non-chlorinated tap water. 59-69°F.
- Dilute to make volume that your application apparatus requires for coverage.
- The amount of water is not critical.
- Stir well and leave the solution to soak for 20-30 seconds.
- Once activated, Nematodes must be released within 6 hours.
- Apply to soil with watering can, feeding system, hose end sprayer, pump sprayer or application apparatus.
- To avoid blockage, all filters should be removed from apparatuses.
- Do not mix with pesticides and best if not mixed with fertilizers.
- Pressure should not exceed 72 psi.
- Nozzle diameter must be 0.8 mm minimum or larger.
- Soil temperature of 44°-83°F is optimal.
- Irrigate immediately after application.
- Avoid Run-off.
- If soil temperature is higher than 86°F, irrigate with at least 0.1 inch of water before and after applying.

Release Rates + Bulk Quantities

<table>
<thead>
<tr>
<th>Species</th>
<th>Quantity</th>
<th>Treats Up To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sf</td>
<td>5 Million</td>
<td>300 sq. ft.</td>
</tr>
<tr>
<td>Sf</td>
<td>10 Million</td>
<td>600 sq. ft.</td>
</tr>
<tr>
<td>Sf</td>
<td>50 Million</td>
<td>3,000 sq. ft.</td>
</tr>
<tr>
<td>Hb</td>
<td>5 Million</td>
<td>2,000 sq. ft.</td>
</tr>
<tr>
<td>Hb</td>
<td>10 Million</td>
<td>4,000 sq. ft.</td>
</tr>
<tr>
<td>Hb</td>
<td>50 Million</td>
<td>1/2 Acre</td>
</tr>
<tr>
<td>Sc</td>
<td>5 Million</td>
<td>2,000 sq. ft.</td>
</tr>
<tr>
<td>Sc</td>
<td>10 Million</td>
<td>4,000 sq. ft.</td>
</tr>
<tr>
<td>Sc</td>
<td>50 Million</td>
<td>1/2 Acre</td>
</tr>
<tr>
<td>Hb+Sc+Sf</td>
<td>5 Million</td>
<td>1,250 sq. ft.</td>
</tr>
<tr>
<td>Hb+Sc+Sf</td>
<td>10 Million</td>
<td>2,500 sq. ft.</td>
</tr>
<tr>
<td>Hb+Sc+Sf</td>
<td>50 Million</td>
<td>12,500 sq. ft.</td>
</tr>
</tbody>
</table>

Fax: 805.482.7846 / Email: Sales@TipTopBio.com
As an industry leader, TipTop Bio-Control is pleased to offer our new nematode packaging. While keeping with our quality packaging and style, we are offering nematodes in vermiculite in colorful 32 oz containers. Each container has a 16 oz white plastic sealed container inside with 10 million nematodes. We are offering these products in two varieties: S. feltiae & S. carpocapsae.

Many of you have asked for nematodes in vermiculite. This nematode packaging has been around for quite some time. While we feel the nematodes packaged in powder are a better option, we are confident that these will be a good alternative for the dealer that does not have a cooler display or the dealer that is not ready to bring on the entire TipTop line. As a family-owned insectary, supplying you with quality beneficial insects since 1986, we have decided to add this to our arsenal of “Good Bugs.” We feel our “soldier bugs” are second to none.

Ideal temperature range: Above freezing.

Preys on: 200+ soil pests.

In store storage: 6 months shelf life at room temperature or 12 months refrigerated.
### Beneficial Nematode Pest Guide

<table>
<thead>
<tr>
<th>Hb</th>
<th>Antsv (Queen)</th>
<th>Sc</th>
<th>Crate Flies</th>
<th>Sf Sc</th>
<th>Navel Orange Worms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sf Sc</td>
<td>Armyworms</td>
<td>Hb Sf</td>
<td>Cucumber Beetles</td>
<td>Sf</td>
<td>Onion Maggots</td>
</tr>
<tr>
<td>Sf Sc</td>
<td>Artichoke Plume Moths</td>
<td>Hb Sf</td>
<td>Cutworms</td>
<td>Hb</td>
<td>Pill Worms</td>
</tr>
<tr>
<td>Hb</td>
<td>Asparagus Beetles</td>
<td>Hb</td>
<td>European Chafer</td>
<td>Sf</td>
<td>Pine Weevils</td>
</tr>
<tr>
<td>Sf Sc</td>
<td>Bad Nematodes</td>
<td>Hb</td>
<td>Fall Armyworms</td>
<td>Sf</td>
<td>Poplar Clear Wig Borers</td>
</tr>
<tr>
<td>Hb</td>
<td>Bagworms</td>
<td>Sf</td>
<td>Fire Ants</td>
<td>Sf Sc</td>
<td>Raspberry Crown Borers</td>
</tr>
<tr>
<td>Hb</td>
<td>Banana Moths</td>
<td>Hb</td>
<td>Flea Beetles</td>
<td>Sf Sc</td>
<td>Roaches</td>
</tr>
<tr>
<td>Hb</td>
<td>Banana Weevils</td>
<td>Hb</td>
<td>Fleas - Adult</td>
<td>Sf</td>
<td>Root Aphids</td>
</tr>
<tr>
<td>Sf</td>
<td>Beet Armyworms</td>
<td>Sc</td>
<td>Fleas - (Larvae, Pupae)</td>
<td>Hb</td>
<td>Root Knot Galls</td>
</tr>
<tr>
<td>Hb Sc</td>
<td>Black Vine Weevils</td>
<td>Hb</td>
<td>Fly Larvae</td>
<td>Sf</td>
<td>Shore Flies</td>
</tr>
<tr>
<td>Sf Sc</td>
<td>Black Cutworms</td>
<td>Sf Sc</td>
<td>Fruit Flies</td>
<td>Sf Sc</td>
<td>Sod Webworms</td>
</tr>
<tr>
<td>Sf Sc</td>
<td>Bluegrass Weevils</td>
<td>Sf</td>
<td>Fungus Gnats</td>
<td>Hb</td>
<td>Tobacco Budworms</td>
</tr>
<tr>
<td>Sf Sc</td>
<td>Cabbage Maggots</td>
<td>Sf</td>
<td>Galleria</td>
<td>Sf Sc</td>
<td>Tobacco Cutworms</td>
</tr>
<tr>
<td>Sf</td>
<td>Carpenter Worms</td>
<td>Sf</td>
<td>Hymenopterae</td>
<td>Hb</td>
<td>Sugarcane Stalk Borers</td>
</tr>
<tr>
<td>Hb</td>
<td>Carrot Weevils</td>
<td>Hb</td>
<td>Japanese Beetles</td>
<td>Hb</td>
<td>Sweet Potato Weevils</td>
</tr>
<tr>
<td>Sc</td>
<td>Caterpillars</td>
<td>Hb</td>
<td>May/June Beetles</td>
<td>Hb</td>
<td>Termites (Queen)</td>
</tr>
<tr>
<td>Hb</td>
<td>Chafer</td>
<td>Sf</td>
<td>June Bug</td>
<td>Sc</td>
<td>Thrips</td>
</tr>
<tr>
<td>Sf</td>
<td>Chinch Bugs</td>
<td>Sf Sc</td>
<td>Leaf Miners</td>
<td>Hb Sc</td>
<td>Ticks</td>
</tr>
<tr>
<td>Sf</td>
<td>Codling Moths</td>
<td>Sf Sc</td>
<td>Leather Jackets</td>
<td>Hb</td>
<td>Tobacco Cutworms</td>
</tr>
<tr>
<td>Hb</td>
<td>Colorado Potato Beetles</td>
<td>Sf</td>
<td>Masked Chafers</td>
<td>Hb</td>
<td>Tobacco Cutworms</td>
</tr>
<tr>
<td>Sf Sc</td>
<td>Corn Borers</td>
<td>Sf Sc</td>
<td>Wobble Flies</td>
<td>Hb</td>
<td>Tobacco Cutworms</td>
</tr>
<tr>
<td>Hb</td>
<td>Corn Earworms</td>
<td>Sf Sc</td>
<td>Weevil Grubs</td>
<td>Hb</td>
<td>Tobacco Cutworms</td>
</tr>
<tr>
<td>Sc</td>
<td>Cotton Bollworms</td>
<td>Sf Sc</td>
<td>Weevil Grubs</td>
<td>Sf</td>
<td>Tobacco Cutworms</td>
</tr>
<tr>
<td>Sc</td>
<td>Crambids</td>
<td>Sf Sc</td>
<td>Weevil Grubs</td>
<td>Sf Sc</td>
<td>Wax Moths</td>
</tr>
<tr>
<td>Hb</td>
<td>Cranberry Girdlers</td>
<td>Sf Sc</td>
<td>Weevil Grubs</td>
<td>Hb</td>
<td>Tobacco Cutworms</td>
</tr>
<tr>
<td>Hb</td>
<td>Cranberry Root Weevils</td>
<td>Sf Sc</td>
<td>Weevil Grubs</td>
<td>Sf Sc</td>
<td>Wax Moths</td>
</tr>
<tr>
<td>Sf</td>
<td>Crane Fly Larvae</td>
<td>Sc</td>
<td>Mushroom Fly Larvae</td>
<td>Sf Sc</td>
<td>Wax Moths</td>
</tr>
</tbody>
</table>

**Nematode Species:**
- **Hb** - Heterorhabditis bacteriophora
- **Sf** - Steinernema feltiae
- **Sc** - Steinernema carpocapsae

**Fax:** 805.482.7846 / **Email:** Sales@TipTopBio.com
**Predatory Mites** are natural predators used for the biological control of Spider Mite infestations, enabling growers to safely combat this devastating pest without the use of harsh chemicals. The Spider Mite is a common pest throughout the world. By far, the most common species in greenhouses is the Two-Spotted Spider Mite. Their rapid reproductive capacity means that they are capable of destroying plants quickly. The widespread use of chemical control agents has resulted in Spider Mites developing resistance to pesticides. See pages 22-24 for a complete list of Predatory Mites available and Specialty Bugs.

### Special Blend Predatory Mites

Our **Special Blend** is best used in unknown growing conditions. Tip Top Bio-Control Special Blend contains an assortment of Predatory Mites. Our Special Blend takes the guess work out of which Mite should be used in your garden, greenhouse or grow room. You will see a mixture of bright reddish orange colored Mites with obvious long legs. You should be able to see the Predatory Mites with normal vision. Some may be seen on the cap after it is removed. These blended Mites can tolerate temperatures up to 110°F and humidities between 40-90%. Special Blend normally consists of an assortment of the following; *P. persimilis*, *N. californicus*, *A. cucumeris*, *A. swirskii*.

**Scientific Name:** *Phytoseiulus persimilis*, *Neoseiulus californicus*, *Amblyseius cucumeris*, *Amblyseius swirskii*.

**Preys On:** Two-Spotted Spider Mites, Broad Mites, Rust Mites, Cyclamen Mites, Russet Mites, and other mite species.

**Temp Range:** 43-110°F. Humidity: 40-90%.

**Storage:** Store in a cool, dark place for no more than 18 hours.

### How To Release Predatory Mites The Right Way

- Release when temperatures are not extremely hot within 18 hours.
- Locate plants with Spider Mite infestation.
- Knock down webbing.
- Lightly mist leaves beforehand.
- Sprinkle contents onto infested leaves.
- To keep carrier medium off leaves, sprinkle Mites into any size envelope and set in crotch of plant (Envelopes not included).
- After release, set vial and lid in crotch of plant to allow any remaining Predatory Mites to escape.
- Release Predatory Mites bi-weekly until infestation is under control.

### Release Rates:

- **Light Infestation** 2-4 Mites per sq. ft.
- **Heavy Infestation** 5-10 Mites per sq. ft.

*Certain plants may require higher release rates.*

---

**Family Owned Since 1986**

www.TipTopBio.com / Phone: 805.445.9001
Hanging Sachets are a great tool to use for Preventative Mite Control. Mites emerge from the sachets for up to 4 weeks. Simply hang the sachets on plants out of direct sunlight. Great preventative care for home gardens, grows, and greenhouses. Simply hang over a branch, plant stem or wire. Our slow release hanging sachets are safe to use around humans and pets.

**Release Rates:** 1 Sachet every 3-6 ft., but may increase to 1 per ft., depending on the crop.

See pages 22-24 for more information on Predatory Mites.

**cucumeris, Amblyseius**

**Ideal for Preventative Mite Control!**

**Target Pests:** Two-Spotted Spider Mites, Western Flower Thrips, Onion Thrips, Russet Hemp Mites, Cyclamen Mites, Broad Mites, Rust Mites, Bean Thrips, Bamboo Mites, Strawberry Mite, Whitefly, Psyllids and Aphids.

**Release Rates:** 1 sachet every 3 ft., but may increase to 1 per plant, depending on the crop.

Item# CUCUSACHET-1K

Contains: 1 Sachet with 1,000 all life stages ea.

**andersoni, Amblyseius**

**Generalist, tolerates high heat!**

**Target Pests:** Broad Mites, Cyclamen Mites, Russet Hemp Mites, Red Spider Mites, Tomato Russet Mites, Rust Mites, Gall Mites, Eriophyid Mites, Thrips and Two-Spotted Spider Mites.

**Release Rates:** 1 sachet every 3 ft., but may increase to 1 per plant, depending on the crop.

Item# ANDERSONISACHET100-250

Contains: 100 Sachets with 250 all life stages ea.

**swirskii, Amblyseius**

**Generalist, quick reproduction!**

**Target Pests:** Broad Mites, Thrips, Russet Hemp Mites, Spider Mites, Tarsenomid Mites and Whitefly Eggs.

**Release Rates:** 1 sachet every 6 ft., but may increase to 1 per plant, depending on the crop.

Item# SWIRSKISACHET100-250

Contains: 100 Sachets with 250 all life stages ea.

**californicus, Neoseiulus**

**Generalist, tolerates high heat!**

**Target Pests:** Two-Spotted Spider Mites, Russet Hemp Mites, Western Flower Thrips, Onion Thrips, Cyclamen Mites, Broad Mites, Rust Mites, and Brown Almond Mites.

**Release Rates:** 1 sachet every 6 ft., but may increase to 1 per plant, depending on the crop.

Item# CALISACHET100-250

Contains: 100 Sachets with 250 all life stages ea.

Item# CALISACHET100-1K

Contains: 100 Sachets with 1,000 all life stages ea.
Green Lacewings are available in three different stages; eggs, larvae, and adults. Lacewing Eggs are the most economical choice for your customer, although you will see faster results when you purchase Lacewing Larvae. Lacewing Eggs are packaged in rice hulls for easy dispersement. During the 2-3 weeks before becoming an adult, the larvae will consume 200-300 Aphids each. All products come with complete release instructions and appropriate dispersement pouches.

Green Lacewings any way you want them! Hanging Pouches, Cards, or Cups.

**Contents**
- Eggs in Dispersement Pouches
- Lacewing Eggs
- Lacewing Larvae
- Lacewing Adults

**Green Lacewing Eggs Retail Pouch**
- Item# LWE-1KRP - 1,000 Eggs per pack
- UPC: 657994-10001-0
- Contains: 1,000 Eggs with 3 Release Pouches
- Case Count: 6
- Release Rates: 1,000 sq.ft.

**Lacewing Eggs on Hanging Card Retail Pouch**
- Item# LWERCARDED-5KRP - 5,000 Eggs per pack
- Contains: 5,000 Eggs on 30 Hanging Cards
- UPC: 657994-12131-2
- Easy to use Hanging Cards
- Case Count: 6
- Release Rates: 5,000 sq.ft.

**1,000 Green Lacewing Eggs Retail Cup**
- Item# LWE-1KRC - 1,000 Eggs per pack
- UPC: 657994-14289-8
- Contains: 1,000 Eggs in 3 Hanging Pouches
- Easy to use Hanging Pouches
- Case Count: 6
- Release Rates: 1,000 sq.ft.

**100 Lacewing Adults in Custom Container**
- Item# LWADULT-100
- Contains: 100 Adults
- Case Count: 6
- Release Rates: 1 planting site
- Ideal for pollinating and laying eggs in hard to reach areas
- Adults lay up to 200 eggs each

**1,000 Lacewing Larvae in Rice Hulls**
- Item# LWLARVAE-1K
- Contains: 1,000 Larvae
- Release Rates: 1,000 sq.ft.
- Predator for 15-20 days, before becoming adult
- Great for quick control!
- Shipped ready to attack!
“Old School” Values!
Since 1986

Snail Control

**Decollate Snails** are carnivores that pursue their gastropod cousins, the Brown Garden Snail. Once most Brown Snails have been destroyed, Decollates will feed on decomposing organic matter, never feeding on live plants. These mollusks (snails) come in 2 different types of visually stimulating packaging that will instantly grab your customer’s attention.

**WARNING:** These snails are restricted and unavailable in certain parts of the United States!
Available for the following: Arizona, New Mexico, Texas and certain California Counties: Fresno, Imperial, Kern, Los Angeles, Madera, Orange, Riverside, San Diego, San Bernardino, Santa Barbara, Tulare and Ventura.

Decollate Snails any way you want them!

**Retail Paper Cup**
Item# DEC-50RC
Contains: 50 snails
UPC: 657994-10022-5
- Case Count: 10
- Ideal for sales pyramid at the register
- Nocturnal Hunters that are rarely seen
- Carnivores, attacking bad snails only!

**Retail Paper Cup**
Item# DEC-100RC
Contains: 100 snails
UPC: 657994-10021-8
- Case Count: 10
- Ideal for sales pyramid at the register
- Nocturnal Hunters that are rarely seen
- Carnivores, attacking bad snails only!

**Retail Breathable Pouch**
Item# DEC-50RP
Contains: 50 snails
UPC: 657994-10013-3
- Case Count: 10
- Clip or hang at register
- Nocturnal Hunters that are rarely seen
- Carnivores, attacking bad snails only!

**Retail Breathable Pouch**
Item# DEC-100RP
Contains: 100 snails
UPC: 657994-10020-1
- Case Count: 10
- Clip or hang at register
- Nocturnal Hunters that are rarely seen
- Carnivores, attacking bad snails only!

**Scientific Name:** Rumina decollata.
**Adults:** Decollate snails are brown and have conical shells. They grow to about 1.5 inches.
**Preys On:** Brown Garden Snails and decomposing matter.
**In Store Storage:** Store Decollate Snails in a cool spot out of direct sunlight. If temperatures are extreme, you may place the units in a refrigerator. Shelf life 60 days.

**DECOLLATE SNAIL RELEASE RATES**

<table>
<thead>
<tr>
<th>Item#</th>
<th>Quantity</th>
<th>Treats Up To:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEC-50RC</td>
<td>50 snails</td>
<td>500 sq. ft.</td>
</tr>
<tr>
<td>DEC-100RC</td>
<td>100 snails</td>
<td>1,000 sq. ft.</td>
</tr>
</tbody>
</table>

General release info for light to moderate infestation

*Note: Buying in case counts will qualify you for our Free/Assisted Freight Program. Free/Assisted Freight Program available for all retail packaging. See price list.

Pour cool water over Decollate Snails to activate!

Fax: 805.482.7846 / Email: Sales@TipTopBio.com
Caterpillar Control

Trichogramma are tiny, harmless, flying wasps. 5 adults can fit on the tip of a pencil. These predators attack over 150 species of Moths and Caterpillars that destroy or damage vegetables and fruits.

Release at first sight of Moths or Caterpillars!

Caterpillar & Moth Exterminator Retail Pack

Package Contains a mixture of Species: Platneri/Minutum, Pretiosum, Brassicae

Item# TRICOMIX-10KRP
UPC: 657994-92296-4
Contains: 10,000 Pupae on cards
Treats Up To: 500 sq.ft.
Trichogramma pupae on 3 hanging cards

Scientific Name: Trichogramma

Preys On: Over 150 pest moth species. Including; Gypsy Moth, Codling Moth, Diamond Back Moth, Oriental Fruit Moth, Tomato Pin Worm, Cabbage Looper, Cabbage Worms, Tent Caterpillars, and Tobacco/Tomato Hornworm.

In Store Storage: Store in refrigerator. Shelf life 14 days.

How To Use Trichogramma The Right Way

When you receive the pupae, open the bag and check if the pupae have hatched, being careful not to touch the pupae. If they haven’t hatched, store in a moderately humid location until hatching begins. Check daily for hatching.

Allow up to 10 days for hatch. Cards may be put out prior to hatch.

When hatching has begun, take the package to the release site. Flip the cards over (pupae side down) and cut along the perforated lines with scissors. DO NOT TEAR.

Simply hang the cards in the canopy of the plant, away from the mid-day sun and protected from rain/water as much as possible. Tap out the wasps remaining in the bag gently. All cards are hole punched for easy hangibility. Tabs can be placed in the crotch of the trees as well. Do this in the evening or early morning hours.

Ideal for moth control on tall crops: High flyer.

Ideal for moth control on short crops: Low Flyer

Ideal for moth control on cole/cold crops
Fly Exterminators are small, harmless predators that are used to control flies in animal manure accumulations, compost piles and other similar types of breeding sites. These insects parasitize numerous types of flies, attacking the flies in their pupae stage. These tiny insects are stingless, biteless and harmless to humans and animals. The Fly Exterminators are shipped in wood shavings as pupae (cocoons). They should be used monthly during peak fly season after pupae hatch. All units include complete release and storage instructions.

Fly Exterminators any way you want them!

**Fly Exterminators Retail Pack**
Item# FLY-2KRP
UPC: 657994-80150-4
Contains: 2,000 FE's per pack.
1,000 pupae are enough for one large animal, (cow, horse, etc). Release every 3-4 weeks during warm weather!
- Case Count: 6
- Clip or hang at register

**Bulk Paper Bag**
Item# FLY-5K
Contains: 5,000 FE's per pack.
Release every 3-4 weeks during warm weather!
- Can ship via US Mail
- Great for multiple release sites
- 2 Hatching Release Bags included
- Prescriptions are available

**Bulk Paper Bag**
Item# FLY-10K
Contains: 10,000 FE's per pack.
Release every 3-4 weeks during warm weather!
- Can ship via US Mail
- Great for multiple release sites
- 3 Hatching Release Bags included
- Prescriptions are available

**Bulk Paper Bag**
Item# FLY-50K
Contains: 50,000 FE's per pack.
Release every 3-4 weeks during warm weather!
- Can ship via US Mail
- Great for multiple release sites
- 5 Hatching Release Bags included
- Prescriptions are available

**Scientific Name**: Muscidifurax raptorellus, Muscidifurax zaraptor and Spalangia cameroni.

**Preys On**: Houseflies, Biting Stable Flies, Garbage Flies as well as minor control of several other species of flies.

**In Store Storage**: Store in refrigerator. Shelf life 14 days.

**Hatching Release Bags Included!**

Keep Fly Exterminators safe and out of reach of birds and rodents.

*Retail Package Contents*

How to Release Fly Exterminators

<table>
<thead>
<tr>
<th>Release Rates</th>
<th>Per Animal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>100</td>
</tr>
<tr>
<td>Medium</td>
<td>500</td>
</tr>
<tr>
<td>Large</td>
<td>1,000</td>
</tr>
</tbody>
</table>

*Combine with Flea Exterminator for optimal results! See pages 8 & 9 for details.

Fax: 805.482.7846 / Email: Sales@TipTopBio.com
**Bug Coolers, Displays & P.O.P. Literature**

**Item # TTCST-3.3 - Bug Cooler**  
**Item # TTCST-3.3 LOADED - Bug Cooler with Live Product**  
*Includes:* 25 Ladybugs, 25 Mantis when in season, 25 additional Ladybugs when Mantis are out of season, 6 Nematodes, and 8 Red Worms.

**Approximate Dimensions:**  
- Height: 31"  
- Width: 20.5"  
- Depth: 21"

- POP DISPLAY  
- FULLY WRAPPED  
- COUNTERTOP DESIGN  
- LED LIGHTING  
- STAINLESS STEEL FRONT

**COOLER CAPACITY**  
- 50 LADYBUGS/MANTIS/LACEWING CUPS  
- 8 WORMS  
- 12 Nematodes in Hanging Bags

**Item # TTDP**  
Bug Posters  
Laminated, 8.5" x 11" double sided

**Item # TTB-3**  
36"x60" Banner  
Grommets on 4 corners

**Item # TTBC-3**  
3-Door Bug Cooler  
*Product not included*

**Approximate Dimensions:**  
- Height: 60"  
- Width: 2'6"  
- Depth: 2'4"

**Item # TTCST-3.3 LOADED**  
- Bug Cooler with Live Product  
*Product not included*

**Includes:**  
- 25 Ladybugs  
- 25 Mantis when in season  
- 25 additional Ladybugs when Mantis are out of season  
- 6 Nematodes  
- 8 Red Worms

**Item # TTBC-3**  
3-Door Bug Cooler  
*Product not included*

**Approximate Dimensions:**  
- Height: 31"  
- Width: 20.5"  
- Depth: 21"

**Available in 2 sizes!**

**Item # TTB-1**  
96"x48" Banner  
Grommets every 2ft.

**Item # TTB-2**  
60"x36" Banner  
Grommets on 4 corners.

**www.TipTopBio.com / Phone: 805.445.9001**
“Old School” Values!
Since 1986

DROP SHIP PROGRAM

Live Beneficial Insects Shipped Directly to Your Customer!
Shipping LIVE insects to your store for your customer to pick-up does not work with certain insects! Our direct shipping program with this Special Order Catalog will!

HERE IS HOW IT WORKS:

• Sell our insects from this catalog to your customers.
• Collect payment in advance. Don’t forget the freight!
• Package can not ship to P.O. Boxes or Post Office.
• Package should not be left outside in COLD or HOT weather.
• Includes release and storage instructions, if any. In most cases, we suggest same day dispersal.
• Insects are shipped in custom containers designed for adverse conditions.

Ordering Special Bugs is as Simple as....

From Your Store
• Fax, Call, Email or Log-in to TipTopBio.com to Place Your Order!

Fax: 805.482.7846
Call: 805.445.9001
Email: sales@tiptopbio.com
www.TipTopBio.com

To The Bug Farm
• Fast Turn Around

To Your Customer
• Fresh Bugs Delivered
• Instructions Included

From Your Store

To The Bug Farm

To Your Customer
APHID CONTROL

**Aphid Mix - Aphidius colemani + Aphidius ervi!**

**Target Pests:** A wide range of Aphids.
**Description:** Contains a mixture of: Aphidius colemani and Aphidius ervi, which will attack more than 25 different species of Aphids, including the most common species. Take the worry out of making an incorrect identification and use our broad range Aphid Mix.
**Release Rates:** For light infestations, release 1 per 10 sq.ft., weekly. For moderate infestations, release 1 per sq.ft., weekly as needed. For heavy infestations, doses may be increased 5 fold.

**Item# APHIDMIX-500, 500 mummies/adults per bottle**

**colemani, Aphidius - Attacks Small Aphids Species!**

**Target Pests:** Attacks over 40 species of Aphids.
**Description:** A parasitic wasp that attacks several species of Aphids. These predators work well on Small Aphid species. Adult wasps are black and about 2-3mm long. After injecting the aphid with an egg, it takes about a week for the mummy to form and then another week for the adult to appear. Each female can lay more than 100 eggs. Their lifespan is about 2 weeks inside the aphid, then 2 weeks as adults.
**Release Rates:** For light infestations, release 1 per 10 sq.ft., weekly. For moderate infestations, release 1 per sq.ft., weekly as needed. For heavy infestations, doses may be increased 5 fold.

**Item# COLE-500, 500 mummies/adults per bottle**

**ervi, Aphidius - Attacks Large Aphids Species!**

**Target Pests:** Aphids, Greenhouse Potato Aphid, Pea Aphid, Green Peach Aphid, Fox Glove Aphid.
**Description:** A parasitic wasp that attacks several species of Larger Aphids. Adult wasps are black, 4-5 mm long. After injecting the aphid with an egg, it takes about a week for the mummy to form and then another week for the adult to appear. Each female can lay more than 100 eggs. Their lifespan is about 2 weeks inside the aphid, then 2 weeks as adults.
**Release Rates:** For light infestations, release 1 per 10 sq.ft., weekly. For moderate infestations, release 1 per sq.ft., weekly as needed. For heavy infestations, doses may be increased 5 fold.

**Item# ERVI-250, 250 mummies/adults per bottle**

**aphidimyza, Aphidoletes**

**Target Pests:** Many species of Aphids.
**Description:** Aphidoletes are native predators of over 60 species of Aphids. Larvae are orange, legless maggots, up to 3mm long. The adult males have long antennae, which are covered with hairs. The adult females have shorter and thicker antennae. Aphidoletes are sent as pupae (cocoons) in moist vermiculite or sand.
**Release Rates:** Release 1 Aphidolete per 3 sq.ft, weekly, 2-3 times. For large areas, such as apple orchards, use 1,000-4,000 Aphidoletes per acre, repeated 1-3 times, 1-2 weeks apart or until established.

**#APHIDI-250, 250 nymphs per bottle #APHIDI-1K, 1,000 nymphs per bottle #APHIDI-3K, 3,000 nymphs per bottle**
### Fungus Gnat / Root Knot Exterminator Nematodes
**Target Pests:** Fungus Gnats, Root Knot Galls, Root Aphids and over 200 kinds of soil dwelling insects.
(See pages 8, 9 & 11 for more details on Beneficial Nematodes.)

#### Hypoaspis miles / Stratiolaelaps scimitus
**Target Pests:** Fungus Gnats, Root Aphids, Spider Mites, various Thrips, and soil organisms like Springtails, Root Mealybugs, Saw Bugs, and Rolly-Pollies.
**Description:** Hypoaspis is a native species of soil-dwelling mites which feed on small insects and other mites. Adults are tan in color and are less than 1mm long. These mites work in soil or soil less medium. Their total lifespan is about 13 days, but they reproduce very quickly!

**Release Rates:** Apply 25K per 1000 sq. ft. or 30 per sq. ft. Be sure to treat wet exposed areas on the floor, potting mix and other locations where pests are likely to breed.

#HYPO-HALF, 12.5K adults per bottle  #HYPO-L, 25K adults per bottle  #HYPO-5L, 125K adults per bag

#### Rove Beetle - Dalotia (Atheta) coriaria
**Target Pests:** Shore Flies, Fungus Gnats, various Thrips, Root Aphids, and other soil dwelling pests.
**Description:** Rove Beetle are light to dark brown in color; Adults are 3-4 mm long and are slender with short wing covers. They are active fliers, so do not open containers until in the release area. Total lifespan is about 20 days. Rove Beetles are very good at colonizing and can tolerate temps between 55-95°F.

**Release Rates:** Soil culture, sawdust bag or rockwool culture: Apply 1-2 per sq. ft.

#ROVE-100, 100 all life stages per bottle  #ROVE-500, 500 all life stages per bottle  #ROVE-1K, 1,000 all life stages per bottle

### General Predators

#### Orius insidiosus - Minute Pirate Bug
**Target Pests:** Thrips (All Stages), Spider Mites, Moth Eggs, and Aphids.
**Description:** Orius can consume 15-45 Thrips per day. Adults are black and white and are about 3 mm long. Adults are great flyers and move efficiently to locate prey. Each female adult can lay up to 45 eggs over a 2 week period. Total lifespan is about 7 weeks, 4 weeks as an adult.

**Release Rates:** General release is 1 per 10 sq. ft. or 2,000-4,000 per acre.

Item# ORIUS-500, 500 adults per bottle  Item# ORIUS-1K, 1,000 adults per bottle

### Leafminer Control
**Orders must be placed by Tuesday for next Tuesday shipping.**

#### Diglyphus isaea
**Target Pests:** Several species of Leafminer.
**Description:** Adult Wasps are metallic green and black, 2-3 mm in length. Diglyphus will kill a large number of Leafminers for host feeding.

**Release Rates:** Once Leafminer feeding marks are present, releases should be planned. It is best to release the Diglyphus when the first 2nd instar Leafminer Larvae are found. Approximately 1 Diglyphus should be released per 10 sq. ft., weekly, for 2 weeks since the Leafminer pest has a short period of vulnerability.

Item# DIGL-250, 250 insects per bottle
MEALYBUG CONTROL

**Ladybugs, Lacewings, and Orius control**
Mealybug and other soft bodied insects!

### Cryptolaemus montrouzieri - aka Mealybug Destroyer

**Target Pests:** Citrus Mealybug, Comstock Mealybug, Long-Tailed Mealybug, Obscure Mealybug, Vine Mealybug and more.

**Description:** Small Coccinellid Beetles, dark brown ladybug with an orange head and tail (approximately 4 mm). The adults and larvae feed on all stages of the Mealybugs. Cryps are sold as adults only. They cannot survive sub-freezing temperatures and therefore need to be reintroduced in orchards or landscapes where the winter temperatures are low. Total lifespan is about 2 months, 1 month as an adult. Cryptolaemus larvae are white and fuzzy, just like Mealybugs.

**Release Rates:**
- **Light infestation:** 2-4 per 10 sq.ft.  
- **Heavy Infestation:** 1-2 per sq.ft. Orchards & Vineyards: 1,000 - 2,000 per acre.

**Item# CRYP-25,** 25 adults per bottle  
**Item# CRYP-100,** 100 adults per bottle  
**Item# CRYP-250,** 250 adults per bottle

### MITE CONTROL

**Ladybugs, Lacewings, and Orius control**
Mites and other soft bodied insects!

#### Special Blend Predatory Mites - Attacks Several Species of Mites!

**Target Pests:** Two-Spotted Spider Mites, Broad Mites, Rust Mites, Cyclamen Mites and Russet Mites and other mite species.

**Description:** Adults are a mixture of reddish orange mites with long legs and a tear drop body. Special Blend normally consists of an assortment of the following: P. persimilis, N. californicus, A. cucumeris, A. swirskii. Subject to availability. Special Blend can be used in unknown growing climates. Special Blend takes the guess work out of which mite should be used in your garden or greenhouse.

**Release Rates:**
- **Light infestation:** 2-4 per sq.ft.  
- **Heavy infestation:** 5-10 per sq.ft. Release biweekly, as needed.

**Temp Range:** 43-110°F.  **Humidity:** 40-90%

**Item# SPECIALBLEND-500,** 500 all life stages per vial  
**Item# SPECIALBLEND-1K,** 1,000 all life stages per vial  
**Item# SPECIALBLEND-2K,** 2,000 all life stages per vial  
**Item# SPECIALBLEND-4K,** 4,000 all life stages per bottle  
**Item# SPECIALBLEND-10K,** 10,000 all stages per bottle  
**Item# SPECIALBLEND-25K,** 25,000 all stages per bottle

#### persimilis, Phytoseiulus - Two-Spotted Spider Mite Specialist!

**Target Pests:** Two-Spotted Spider Mites, Carmine Red Mite, and Pacific Mite and other mite species.

**Description:** P. persimilis are pear shaped mites with long legs. Their color is bright reddish orange. Unlike its prey, P. persimilis do not spin webbing. These mites consume all stages of Two-Spotted Spider Mites. Total lifespan is about 45 days, 35 days as an adult.

**Release Rates:** 2-4 Mites per sq ft. or 20 Mites per infested leaf, biweekly, 3-4 times.

**Temp Range:** 43-90°F.  **Humidity:** 60-90%

**Item# PHYTO-500,** 500 mites per vial  
**Item# PHYTO-1K,** 1,000 mites per vial  
**Item# PHYTO-2K,** 2,000 mites per vial  
**Item# PHYTO-4K,** 4,000 mites per bottle  
**Item# PHYTO-10K,** 10,000 mites per bottle  
**Item# PHYTO-25K,** 25,000 mites per bottle

#### californicus, Neoseiulus (Amblyseius) - Generalist, Attacks microscopic mites!

**Target Pests:** Two-Spotted Spider Mites, Broad Mites, Cyclamen Mites, Russet Mites, Rust Mites and other mites.

**Description:** N. californicus are pear shaped clear/white colored mites. Best known for their ability to control microscopic mite species, such as Hemp Mites and for their ability to survive when pest population is low. Work great for preventative control. They can tolerate temperatures up to 110°F. Total lifespan is about 30 days, 20 days as an adult.

**Release Rates:** Adults, release 2-4 mites per sq ft. or 15,000 - 25,000 per acre, biweekly, as needed.

For sachets, hang 1 sachet per 6 sq.ft., but may increase to 1 per plant, depending on crop. Hatches for several weeks!

**Temp Range:** 50-110°F.  **Humidity:** 40-80%

**#CALI-1K,** 1,000 all life stages per vial  
**#CALI-2K,** 2,000 all life stages per vial  
**#CALI-4K,** 4,000 all life stages per bottle  
**#CALI-10K,** 10,000 all life stages per bottle  
**#CALI-25K,** 25,000 all life stages per bottle  
**#CALISACHET100-1K,** 100 sachets w/ 1,000 all life stages per sachet  
**#CALISACHET100-250,** 100 sachets w/ 250 all life stages per sachet
**“Old School” Values!**
Since 1986

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**MITE CONTROL CONT...**

### fallacis, Neoseiulus - Works well in Northern Climates!
- **Target Pests:** Two-Spotted Spider Mites, Spruce Spider Mites, Southern Red Mites, Broad Mites, Rust Mites, Carmine Mites, European Red Mite, Citrus Red Mite, Southern Red Mite, Six-Spotted Mite, Pacific Mite, Privet Mite, Russet Mite, and Cyclamen Mites.
- **Description:** N. fallacis are pear shaped mites. Their color is completely dependent on what they are feeding on, usually brownish red in color. These mites are a generalist and will feed on many species of mites. Best known for their control in northern climates. These mites do well in cooler climates with high humidities, and will survive over winter in crevices of plants.
- **Release Rates:** 2-5 mites per sq.ft., bi-weekly, as needed.
- **Temp Range:** 50-100°F. **Humidity:** 50%
- Item# FALLACIS-1K, 1,000 all per vial  Item# FALLACIS-2K, 2,000 all per vial  Item# FALLACIS-10K, 10,000 all per bottle

### cucumberis, Amblyseius (Neoseiulus) - Ideal for Preventative Mite Control! Always in stock and ready to ship!
- **Target Pests:** Thrips, Cyclamen Mites, Broad Mites, Rust Mites, and Russet Hemp Mites.
- **Description:** A. cucumberis are pear shaped, tan colored mites. Complete life cycle is 45 days. Predator in both the nymph and adult stage. Feeds on primarily Thrips, but eats mite eggs as well. Great for preventative mite control. Will feed on pollen if food source is absent. Total lifespan is about 40 days, 30 days as adults. Females can lay as many as 35 eggs. Best known for their low cost!
- **Release Rates:** For bulk bottles, release 5-10 per sq.ft., weekly or bi-weekly, as needed.
- For sachets, hang 1 sachet per 3 sq.ft., but may increase to 1 per plant, depending on crop. Hatches for 4-7 weeks!
- **Temp Range:** 43-90°F. **Humidity:** 60-90%
- #CUCUSACHET-1K, 1,000 all life stages per hanging sachet
- #CUCU-50K, 50,000 all life stages per bottle  #CUCU-250K, 250,000 all life stages per bag

### andersoni, Amblyseius - Generalist, Tolerates High Heat! Usually Ships Wednesday, Thursday!
- **Target Pests:** Broad Mites, Cyclamen Mites, Russet Hemp Mites, European Citrus Red Mite, Rust Mite, and Two-Spotted Spider Mites and other mite species.
- **Description:** A. andersoni are pear shaped mites. Their color is completely dependent on what they are feeding on. These mites are a generalist and will feed on many species of mites. Will survive over winter and become active again as early as January. Best known for their ability to tolerate high temperatures. These mites are native to North America. Lifespan of adult is about 3 weeks.
- **Release Rates:** For bulk bottles, release 1 mite per sq.ft, bi-weekly, as needed.
- For sachets, hang 1 sachet per 6 sq.ft., but may increase to 1 per plant, depending on crop. Hatches for several weeks!
- **Temp Range:** 43-104°F. **Humidity:** 40-60%
- #ANDERSONI-4K, 4,000 all life stages per bottle  #ANDERSONI-10K, 10,000 all life stages per bottle  
- #ANDERSONI-25K, 25,000 all life stages per bottle  
- #ANDERSONI-125K, 125,000 all life stages per bag  #ANDERSONISACHET100-250, 100 sachets with 250 all life stages per sachet

### swirskii, Amblyseius - Generalist, Quick Reproduction! Usually Ships Wednesday, Thursday!
- **Target Pests:** Broad Mites, Russet Hemp Mites, Thrips, Whitefly Eggs, Spider Mites, Tarsenomid Mites and other mite species.
- **Description:** A. swirskii are pear shaped mites. These mites are a generalist and feed on many species of Mites, Thrips, and Whitefly Larvae. In warm temperatures, they go from larval to adult in 7 days.
- Best known as a generalist with a fast reproduction cycle.
- **Release Rates:** For adults, release 2-10 per sq.ft., bi-weekly, as needed.
- For sachets, hang 1 sachet per 6 sq.ft., but may increase to 1 per plant, depending on crop. Hatches for several weeks!
- **Temp Range:** 50-85°F. **Humidity:** 65-75%
- #SWIRSKII-4K, 4,000 all life stages per bottle  #SWIRSKII-10K, 10,000 all life stages per bottle  
- #SWIRSKII-25K, 25,000 all life stages per bottle  
- #SWIRSKII-125K, 125,000 all life stages per bag  #SWIRSKII/SACHET100-250, 100 sachets with 250 all life stages per sachet
MITE CONTROL (CONT...)

Stethorus punctillum - Spider Mite Destroyer!

Target Pests: Two-Spotted Spider Mite, European Red Mite, Spruce Spider Mite and Southern Red Mite.
Description: Stethorus is a specialized Spider Mite predator in the Lady Beetle family. Adults are tiny, 1.5mm (1/10 inch) long, dark brown to black, oval beetles with brownish yellow antennae, mouth-parts and legs. Adult beetles can fly and have the ability to find small infestations of Spider Mites.
Release Rates: Release a minimum of 100 adults per “hot spot”, or 10 adults per infested plant, weekly, for 3-4 weeks.
Temp Range: 50-80°F. Humidity: 40+%
Item# STETHORUS-50, 50 adults per bottle Item# STETHORUS-100, 100 adults per bottle

Orders must be placed by Thursday for next Wednesday shipping!

POLLINATORS

Bumble Bees (Bombus impatiens)

Natural pollination using Bumble Bees is an effective way of increasing profits and reduce labor costs. Bumble Bees can increase crop production through more efficient pollination. Many crops are well suited to natural pollination with Bumble Bees, including: cucumbers, peppers, tomatoes, vegetables, seed crops, strawberries, blueberries, cane berries, melons, & squash. Nectar produced by the flowering plants in the greenhouse is not always sufficient for the optimal development of a Bumble Bee population. For this reason, sugar water is supplied.

#BEE-A, 100+ worker bees +1 Queen #BEE-B, 75+ worker bees +1 Queen #BEE-C, 45+ worker bees

Orders must be placed by Thursday for next Wednesday shipping!

SCALE CONTROL

Aphytis melinus

Target Pests: California Red Scale, Aonidiella Aurantii on citrus, roses and ornamentals. Ivy, Oleander Scale, San Jose Scale, Walnut Scale and Dyctyospermum Scale.
Description: Aphytis melinus is a small, light yellow parasitic Wasp about 1mm in size. The Wasp lays eggs under the waxy scale covering and develop into larvae.
Release Rates: General - It is best to release Aphytis melinus in 1-3 week intervals upon detection of Scales until low Scale numbers are observed. A simple guideline is 5 -10 Wasps per infested plant. 10-20K per acre is for moderate infestations.
Temp Range: 50-80°F. Humidity: 40+%
Item# APHYTIS-5K, 5,000 adults per container Item# APHYTIS-10K, 10,000 adults per container

Item# STETHORUS-50, 50 adults per bottle Item# STETHORUS-100, 100 adults per bottle

Lindorus lophanthae

Target Pests: Broad range of Scale.
Description: Lindorus are tiny black coccinellid beetles that devour many types of Scale. They chew through hard Scale as well as eat eggs and immatures of all types of scale.
Release Rates: 1 to 5 beetles is generally enough to colonize each scale-infested plant. 20-40 beetles per large scale-infested tree has been suggested, but recommended quantities vary depending on the amount of time desired to achieve control. More bugs = quicker results.
Item# LINDORUS-50, 50 beetles per bottle Item# LINDORUS-100, 100 beetles per bottle

Orders must be placed by Thursday for next Wednesday shipping!

www.TipTopBio.com / Phone: 805.445.9001
“Old School” Values!
Since 1986

Ladybugs, Lacewings, and Orius control
Thrips and other soft bodied insects!

**cucumeris, Amblyseius - Attacks Immature Stages of Thrips!**

**Target Pests:** Thrips, Western Flower Thrips, Flower Thrips, Eastern Flower Thrips, Onion Thrips, Greenhouse Thrips, Cyclamen Mites, Broad Mites, Tomato Russet Mites and Russet Hemp Mites.

**Description:** *A. cucumeris* are pear shaped, tan colored mites. Complete life cycle is 45 days. Predator in both the nymph and adult stage. Feeds on Immature Stages of Thrips, but eats mite eggs as well. Great for preventative mite control. Total lifespan is about 40 days, 30 days as adults. Females lay as many as 35 eggs each. Best known for their low cost!

**Release Rates:** For bulk bottles, release 5-10 per sq.ft., weekly or bi-weekly, as needed.
For sachets, hang 1 sachet per 3 sq.ft., but may increase to 1 per plant, depending on crop. Hatches for 4-7 weeks!

**Temp Range:** 43-90°F. **Humidity:** 60-90%

#CUCUSACHET-1K, 1,000 all life stages per hanging sachet
#CUCU-50K, 50,000 all life stages per bottle #CUCU-250K, 250,000 all life stages per bag

**Orius insidiosus - Minute Pirate Bug - Attacks All Stages of Thrips!**

**Target Pests:** Thrips (All Stages), Spider Mites, Moth Eggs, Whitefly and Aphids.

**Description:** *Orius* can consume 5-20 Thrips per day. Adults are black and white and are about 2-2.5 mm (1/10 inch) long. Adults are great flyers and move efficiently to locate prey.
Each female adult can lay up to 45 eggs over a 2-week period. Total lifespan is about 7 weeks, 4 weeks as an adult.

**Release Rates:** 1 per 10 sq. ft., but may increase, depending on infestation, or 2,000-4,000 per acre.

**Item# ORIUS-500, 500 insects per bottle Item# ORIUS-1K, 1,000 insects per bottle**

**Hypoaspis miles / Stratiolaelaps scimitus - Attacks Immature Stages of Thrips!**

**Target Pests:** Various species of Thrips, Fungus Gnats, Root Aphids, Spider Mites, and soil organisms like Springtails, Root Mealybugs, Sow Bugs, and Rolly-Pollies.

**Description:** Hypoaspis is a native species of soil-dwelling mites which feed on small insects and other mites. Adults are tan in color and are less than 1mm long. These mites work in soil or soil less medium. Their total lifespan is about 13 days, but they reproduce very quickly!

**Release Rates:** Apply 25K per 1000 sq. ft. or 30 per sq. ft. Be sure to treat wet exposed areas on the floor, potting mix and other locations where pests are likely to breed.

#HYPO-HALF, 12.5K adults per bottle #HYPO-L, 25K adults per bottle #HYPO-5L, 125K adults per bag

**Green Lacewings - Attacks All Stages of Thrips!**

**Target Pests:** Larvae feed on Mealybugs, Thrips, Spider Mites, Whitefly, Aphids and other soft bodied insects. Adults feed on nectar and pollen, and lay eggs in infested pest colonies.

**Description:** Green Lacewings are available in three different stages; eggs, larvae, and adults. Lacewing Eggs are the most economical choice for your customer, although you will see faster results when you purchase Lacewing Larvae. Lacewing Eggs are packaged in rice hulls for easy dispersement. During the 2-3 weeks before becoming an adult, the Larvae will consume 200-300 Aphids each!

**Item# LWLARVAE-1K, 1,000 larvae per bottle**
**Item# LWECARDED-5KR, 5,000 eggs on hanging cards**
**Item# LWADULT-100, 100 adults per bottle**
**#LWE-1KRP, 1,000 eggs per pack #LWE-2.5KR, 2,500 eggs per pack #LWE-5KR, 5,000 eggs per pack**

Fax: 805.482.7846 / Email: Sales@TipTopBio.com
## WHITEFLY CONTROL

**Delphastus catalinae**

**Target Pests:** Most Whitefly species, Greenhouse Whitefly, Banded-Winged Whitefly, Sweet Potato Whitefly, Silverleaf Whitefly, Woolly Whitefly, Azalea and Hibiscus Whitefly, Rhododendron and Citrus Blackfly.

**Description:** Adults are small, shiny, and are approximately 1.3-1.4 mm in length. Adults are dark brown to black, hemispherical beetles; females have reddish yellow heads, lighter color than males. Development is about a month long and females lay 3-4 eggs per day.

**Release Rates:** Release 50-100 adults per “hot spot” or 10 adults per infested plant, weekly, for 3-4 weeks. For best results, use with Encarsia formosa.

<table>
<thead>
<tr>
<th>Item# DEL-100</th>
<th>100 beetles per bottle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item# DEL-1K</td>
<td>1,000 beetles per bottle</td>
</tr>
</tbody>
</table>

**Orders must be placed by Thursday for next Wednesday Shipping!**

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**Encarsia formosa**

**Target Pests:** Most Whitefly species, Greenhouse Whitefly, Silverleaf Whitefly, Sweet Potato Whitefly.

**Description:** Encarsia formosa is a tiny parasitic wasp that parasitizes Whiteflies. Safe to use around humans and pets. Encarsia larval stages live entirely inside immature Whiteflies. The predatory beetle Delphastus avoids feeding on Whiteflies parasitized by Encarsia, therefore it can be used with the Encarsia formosa.

**Release Rates:** 1-5 Encarsia per infested plant, weekly or biweekly, at least 5 times.

| Item# ENCARSIA-500 | 500 pupae on hanging cards |
| Item# ENCARSIA-1K  | 1,000 pupae on hanging cards |
| Item# ENCARSIA-10K | 10,000 pupae on hanging cards |

**Always in stock and ready to ship!**

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**Eretmocerus eremicus**

**Target Pests:** Greenhouse Whitefly, Sweet Potato Whitefly, Silverleaf Whitefly, Poinsettia Whitefly, Woolly Whitefly, Citrus Whitefly and Bayberry Whitefly.

**Description:** Small wasps about 0.6 mm long. Eretmocerus females lay their eggs under the nymphs of Whiteflies. After hatching, larvae penetrate and consume the Whitefly. Eretmocerus females will consume immature Whitefly as a food source and each female can produce 50-150 wasps. Best known for their ability to tolerate heats up to 110 degrees fahrenheit.

**Release Rates:** For light/moderate infestation, release 1-2 per sq.ft., as needed.

**Temp Range:** 50-85°F.

**Humidity:** 65-75%

| Item# ERET-3K | 3,000 pupae on hanging cards |

**Usually ships Wednesday, Thursday!**

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**Amblyseius swirskii** - **Attacks Whitefly Larvae!**

**Target Pests:** Whitefly Larvae, Spider Mites, Tarsonemid Mites, Broad Mites, Russet Hemp Mites and Thrips.

**Description:** A. swirskii are pear shaped mites. These mites are a generalist and feed on many species of Mites, Thrips, and Whitefly Larvae. Best known as a generalist with a fast reproduction cycle.

**Release Rates:** For adults, release 2-10 per sq.ft., bi-weekly, as needed. For sachets, hang 1 sachet per 6 sq.ft., but may increase to 1 per plant, depending on crop. Hatches for several weeks!

**Temp Range:** 50-85°F. **Humidity:** 65-75%

| Item# SWIRSKII-4K | 4,000 all life stages per bottle |
| Item# SWIRSKII-10K | 10,000 all life stages per bottle |
| Item# SWIRSKII-25K | 25,000 all life stages per bottle |
| Item# SWIRSKII-125K | 125,000 all life stages per bag |

**#SWIRSKII-SACHET100-250, 100 sachets with 250 all life stages per sachet**

**Usually Ships Wednesday, Thursday!**

---

**Ladybugs, Lacewings, and Orius control**

Whitefly and other soft bodied insects!
**“Old School” Values!**

**Since 1986**

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**Mycostop® Biofungicide**
- Organic & safe to apply, OMRI listed.
- Mycostop, Wettable Powder is ideal for soil, coco, or hydroponic growing environments, will not clog pumps or sprayers.
- Control or suppression of many root rot and wilt pathogenic fungi, including Pythium, Fusarium, Alternaria, Phomopsis, Rhizoctonia, Phytophthora and Botrytis.
- Use on all crops such as medicinal herbs, vegetables and ornamentals.

**Available in 2 sizes!**
- Item# MYCOSTOP-2 2 gram packet
- Item# MYCOSTOP-5 5 gram packet
- Item# MYCOSTOP-25 25 gram packet

---

**Clear Plastic Vials**
- Lightweight plastic construction.
- Includes white Snap-on cap.

**Available in 2 sizes!**
- Item# VIALS9-25 33ml plastic vial 25 per pack
- Item# VIALS9-50 33ml plastic vial 50 per pack
- Item# VIALS12-25 45ml plastic vial 25 per pack
- Item# VIALS12-50 45ml plastic vial 50 per pack

Dims: 33ml: 2.75” X 1”
45ml: 2.75” X 1.25”

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**Sticky Traps**

**Yellow Sticky Aphid & Whitefly Trap**
- Item# TRAP-SB5Y

**Blue Sticky Thrip & Leafminer Trap**
- Item# TRAP-SB5B
- Non-toxic
- 4” x 14” Sticky Surface
- with a grid for precise monitoring
- 5 Traps per pack

---

**Nestling Material**

**Pet Excelsior Nesting Material**
- Item# PETEX-1LB
- UPC: 657994-80018-7
- Made from premier grade Aspen Wood shavings.

---

**Pot Screens**

**Pot Screens**
- Item# UDPS
- 6 Pot Screens per pack
- UPC: 657994-10071-3
- **How it works!**
  - It keeps your soil in and allows the water to filter through while keeping bad bugs from coming in!

**Keep Your Soil In & Bad Bugs Out!**

---

**Impulse Hand Sealer**

**Item# SEALER-200**
- 8” length
- Narrow 2mm seal

**Item# SEALER-300**
- 12” length
- Wide 5mm seal

---

**Nolo Bait - Grasshopper & Mormon Cricket Bait**
- Safe to use around humans & pets
- Approved for organic production (NOP)
- Targets Crickets and Grasshoppers
- Apply by hand, by shaker can, or spreader to lawn or garden area

**Item# NOLO-1**
- 1 lb. bag

**Item# NOLO-5**
- 5 lb. bag

**Item# NOLO-10**
- 10 lb. bag

**Item# NOLO-25**
- 25 lb. bag

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Fax: 805.482.7846 / Email: Sales@TipTopBio.com
MAIL BACK PROGRAM

HOW IT WORKS:

CERTAIN INSECTS ARE PERISHABLE/TIME SENSITIVE AND ARE BEST IF SHIPPED DIRECTLY TO THE CUSTOMER. MAIL BACK PACKAGES CONTAIN ONE PRE-PRINTED POST CARD. PAY AT THE REGISTER, MAIL IN THE POST CARD, INSECTS WILL THEN BE SHIPPED DIRECTLY TO YOUR CUSTOMER FROM THE FARM.

CUSTOMER PAYS YOU AT YOUR STORE

CUSTOMER MAILS IN CARD

PACKAGE IS DELIVERED TO CUSTOMER’S DOOR

BUGS

TipTop Bio-Control

xxxx

Planning Home Garden

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“Old School” Values!
Since 1986

MAIL BACK CARDS

Aphid Exterminator
Item# NAPHD1MB
Product Contains:
1,500 Ladybugs
250 Aphidoletes pupae
1,000 Green Lacewing Eggs
2 oz Beneficial Insect Food
UPC: 657994-91620-8
See specific product descriptions: pg. 4, 20, 14

Avocado Mite Exterminator
Item# CALI-1KMB
Product Contains:
1,000 N. californicus Mites
UPC: 657994-91537-9
See specific product descriptions: pg. 22

Caterpillar Exterminator
Item# TRICHOMIX-10KMB
Product Contains
10,000 Trichogramma Pupae
UPC: 657994-91579-9
See specific product descriptions: pg. 16

Fire Ant Exterminator
Item# NANT1MB
Product Contains
5 million S. feltiae Nematodes
UPC: 657994-91430-3
See specific product descriptions: pg. 8

Flea & Soil Pest Exterminator
Item# NNEM1MB
Product contains
5 million S. carpocapsae Nematodes
UPC: 657994-91341-2
See specific product descriptions: pg. 8

Fly Exterminator
Item# FLY-2KMB
Product Contains
2,000 Fly Exterminators
UPC: 657994-91562-4
See specific product descriptions: pg. 17

---

Pay at the register, mail in the post card and the insects will be shipped directly to you from the farm.

Complete release instructions are included with insects. Purchase price includes shipping charges.

Fax: 805.482.7846 / Email: Sales@TipTopBio.com
MAIL BACK CARDS CONT.

**Fungus Gnat Exterminator**
Item# NFUN1MB
Product Contains
5 million S. feltiae Nematodes
UPC: 657994-91751-9
See specific product descriptions: pg. 8

**Large Garden Pack**
Item# LGP1MB
Product Contains
7,000 A. cucumeris
1,000 Green Lacewing Eggs
5 million H. bacteriophora Nematodes
3,000 Ladybugs
500 P. persimilis
UPC: 657994-91131-5
See specific product descriptions: pg. 4, 8, 14, 22, 23

**Greenhouse Garden Pack**
Item# GGP1MB
Product Contains
5,000 A. cucumeris
500 Encarsia formosa
500 P. persimilis
5 grams Mycostop
UPC: 657994-91742-5
See specific product descriptions: pg. 22, 23, 26

**Leafminer Exterminator**
Item# DIGL-250MB
Product Contains
250 Diglyphus Isaea
UPC: 657994-91684-0
See specific product descriptions: pg. 21

**Grub & Soil Pest Exterminator**
Item# NBEN1MB
Product Contains
5 million H. bacteriophora Nematodes
UPC: 657994-91803-7
See specific product descriptions: pg. 8

**Mealybug Exterminator**
Item# CRYP-25MB
Product Contains
25 Cryptolaemus beetles
UPC: 657994-91451-8
See specific product descriptions: pg. 22
**MAIL BACK CARDS CONT.**

**Red Worms**
Item# RW-300MB
Product Contains
300 Red Worms
UPC: 657994-91001-7
See specific product descriptions: pg. 7

**Small Garden Pack**
Item# SGPMB
Product Contains
5,000 A. cucumeris
5 million H. bacteriophora Nematodes
1,000 Ladybugs
1 Praying Mantis egg case
UPC: 657994-91902-5
See specific product descriptions: pg. 22

**Scale Exterminator**
Item# PHYTIS-5KMB
Product Contains
5,000 Aphytis melinus
UPC: 657994-91697-0
See specific product descriptions: pg. 24

**Special Blend Predatory Mites**
Item# SPECIALBLEND-1KMB
Product Contains
1,000 Predatory Mites
(Assortment of A.cucumeris, N. californicus, P. persimilis, and A. swirskii).
UPC: 657994-91795-3
See specific product descriptions: pg. 22

**Shore Fly Exterminator**
Item# ROVE-100MB
Product Contains
100 Rove Beetle, Dalotia coriaria
UPC: 657994-91358-0
See specific product descriptions: pg. 21

**Spider Mite Exterminator**
Item# PERSIMILIS-1KMB
Product Contains
1,000 P. persimilis
UPC: 657994-91272-4
See specific product descriptions: pg. 22

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MAIL BACK CARDS CONT.

Thrip Exterminator
Item# ORIUS-500MB
Product Contains
500 Orius insidiosus
UPC: 657994-91696-3
See specific product descriptions: pg. 21

Whitefly Exterminator
Item# ENCARSIA-500MB
Product Contains
500 Encarsia formosa
UPC: 657994-91220-0
See specific product descriptions: pg. 26

Triple Blend Soil Pest Exterminator
Item# NTRP1MB
Product Contains
Mix of 5 million Beneficial Nematodes
H. bacteriophora, S. carpocapsae, S. feltiae
UPC: 657994-91334-4
See specific product descriptions: pg. 18

Whitefly Exterminator
Item# DEL-100MB
Product Contains
100 Delphastus pusillus
UPC: 657994-91196-8
See specific product descriptions: pg. 26

Guaranteed Live Delivery!

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<th>VS</th>
<th>Aphid, Mealybug, Thrip &amp; other soft bodied insects</th>
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</thead>
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<td>Trichogramma</td>
<td>VS</td>
<td>Caterpillar &amp; Moth</td>
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<td>VS</td>
<td>Pest Fly, House Fly, Horse Fly, Filth Fly &amp; more</td>
</tr>
<tr>
<td>Beneficial Nematodes &amp; Hypoaspis miles</td>
<td>VS</td>
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</tr>
<tr>
<td>Cryptolaemus</td>
<td>VS</td>
<td>Mealybug</td>
</tr>
<tr>
<td>Lindorus lophanthae</td>
<td>VS</td>
<td>Scale</td>
</tr>
<tr>
<td>Beneficial Nematodes</td>
<td>VS</td>
<td>Soil Pest, Grub, Flea, Moth, &amp; over 200 kinds of Soil Dwelling Insects</td>
</tr>
<tr>
<td>Predatory Mite</td>
<td>VS</td>
<td>Spider Mite Broad &amp; Russet Mite</td>
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<tr>
<td>A. cucumeris &amp; Pirate Bug</td>
<td>VS</td>
<td>Thrip</td>
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<tr>
<td>Encarsia formosa &amp; Delphastus</td>
<td>VS</td>
<td>Whitefly</td>
</tr>
</tbody>
</table>

And Many Other Good Bugs Available!
Service:
At Tip Top Bio-Control, our goal is to provide you with the highest quality products at an affordable price, the best service possible and shipped in a timely manner. All in-stock orders are shipped the same day if orders are received by 12:00 p.m. PST. In-stock orders received after 12:00 p.m. PST. are shipped as time permitting the same day or the following business day.
Beneficial Insect orders will be shipped so that our product does not have any lay-over time in the courier warehouse over any weekends.

Important Notice To The Purchaser:
The following is made in lieu of all warranties expressed or implied. The seller is not liable for any injury, loss, or damage, direct or consequential, arising out of the use of or inability to use for his/her intended use and user assumes all risks and liability whatsoever in connection therewith. Seller makes no recommendations, expressed or implied, on any products sold. The seller assumes no responsibility or liability whatsoever in the use of the product.
Recommendation pertaining to specific products within all printed material and web/media presences are strictly gathered as "Hear Say" and users shall do their own due diligence.
The foregoing may not be changed in any way whatsoever.

How To Order:
Our sales staff is helpful, knowledgeable and ready to take your order.
By Fax: Orders may be faxed 24 hours, 7 days a week at (805) 482-7846. Please include: Store Name, Address, Phone Number, PO# (if applicable) to be used in shipping requirements.
By Phone: Call toll free (800) 525-0004 between the hours of 8:30 a.m. and 4:00 p.m. PST, Monday through Friday.
By E-mail: send orders to Sales@TipTopBio.com
By Website: Login to www.tiptopbio.com to place your order online.

Terms:
Net 30 day billing is available with an approved, completed credit application. Other accounts may be prepaid. Visa, Mastercard, Discover and American Express are accepted for your convenience. We do not ship COD.

Claims, Shortages & Returns:
Please notify us within 24 hours of delivery for any claims or shortages. No purchased items shall be returned without prior approval and we must be notified within 24 hours upon receipt of Live Product, for quality claims. Contact our office for a Return Authorization Number (RA#).
All items identified on our current price list as “Retail Items” come with a guaranteed sale. Labels and/or UPC codes must be returned to us for credit. Credits will be applied towards future orders and can only be used towards replacement product. There is no cash “cash” value for guaranteed sale product returns.

Minimum Order & Availability:
There is no minimum order. Order as few as one item! We pride ourselves with a large “in-stock” inventory and immediate shipping of orders. Our “claim to fame” over the years has been our everlasting supply of Ladybugs. Since our start of business in 1986, we have never run out of Ladybugs for our customers.

Special Orders:
Any special order items cannot be cancelled or returned.

Dealer Support Aids:
We have a variety of Dealer Support Aids and POS displays. Please call for availability.

Shipping:
All products are shipped in ventilated or insulated boxes. We ship via Federal Express (FedEx), US Postal Service (USPS), various local overnight service companies or Motor Freight. Shipping charges will depend on carrier, package weight and destination. Most items are lightweight. Combining orders for freight savings is recommended.

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