

Approved Biocontrol Organisms for Alaska



**ALASKA
DIVISION OF
AGRICULTURE**

Introduction

Companies that ship biocontrol organisms to Alaska must hold a USDA permit that includes an approved list of captive bred (not wild collected) species. At this time, two companies—**Koppert** and **Beneficial Insectary**—are authorized to ship these organisms into Alaska. This list of approved biocontrol organisms for Alaska is provided as a public resource and includes general information on target (use) pests. These organisms are intended for enclosed-space growing operations (greenhouses, hydroponics, high tunnels, etc.) Because pest management recommendations can vary, please consult directly with the supplier to determine which organisms are appropriate and effective for your specific target pests.

Aphids

Biocontrol Organism:

Common Name (Scientific name)

- Two-Spotted Lady Beetle** (*Adalia bipunctata*)*
- Parasitoid Wasp** (*Aphelinus abdominalis*)
- Parasitoid Wasp** (*Aphidius colemani*)
- Parasitoid Wasp** (*Aphidius ervi*)
- Parasitoid Wasp** (*Aphidius matricariae*)
- Midge** (*Aphidoletes aphidimyza*)
- Common Green Lacewing** (*Chrysoperla carnea*)
- Red Lipped Lacewing** (*Chrysoperla rufilabris*)
- Bigeyed Bugs** (*Geocoris punctipes*)
- Minute Pirate Bug** (*Orius insidiosus*)

Fungus Gnats

Biocontrol Organism:

Common Name (Scientific name)

- Predatory Beetle** (*Atheta coriaria*)
- Predatory Soil Mite** (*Gaeolaelaps aculeifer*)
- Predatory Mite** (*Hypoaspis miles*)
- Nematode** (*Steinernema feltiae*)
- Predatory Mite** (*Stratiolaelaps scimitus*)

Butterfly and Moth Caterpillars

Biocontrol Organism:

Common Name (Scientific name)

- Spined Soldier Bug** (*Podisus maculiventris*)*
- Nematode** (*Steinernema carpocapsae*)
- Parasitoid Wasp** (*Trichogramma brassicae*)
- Parasitoid Wasp** (*Trichogramma evanescens*)
- Parasitoid Wasp** (*Trichogramma platneri*)
- Parasitoid Wasp** (*Trichogramma pretiosum*)

Mealybugs

Biocontrol Organism:

Common Name (Scientific name)

- Common Green Lacewing** (*Chrysoperla carnea*)
- Red Lipped Lacewing** (*Chrysoperla rufilabris*)
- Mealybug Destroyer** (*Cryptolaemus montrouzieri*)
- Lady Beetle** (*Rhyzobius lophanthae*)

Mites

Biocontrol Organism:

Common Name (Scientific name)

- Predatory Mite** (*Amblyseius andersoni*)
- Swirski Mite** (*Amblyseius swirskii*)
- Predatory Midge** (*Feltiella acarisuga*)
- Predatory Mite** (*Iphiseius degenerans*)
- Predatory Mite** (*Neoseiulus fallacis*)
- Predatory Mite** (*Neoseiulus californicus*)
- Predatory Mite** (*Neoseiulus cucumeris*)
- Minute Pirate Bug** (*Orius insidiosus*)
- Predatory Mite** (*Phytoseiulus persimilis*)

*CAUTION: Documented non-target impacts; do not allow outdoors.

** Please consult with supplier on the biocontrol organisms listed and their target (use) pests.

Psyllids**Biocontrol Organism:****Common Name** (*Scientific name*)**Swirski Mite** (*Amblyseius swirskii*)**Predatory Mite** (*Neoseiulus cucumeris*)**Thrips****Biocontrol Organism:****Common Name** (*Scientific name*)**Predatory Mite** (*Amblydromalus limonicus*)**Predatory Mite** (*Amblyseius andersoni*)**Swirski Mite** (*Amblyseius swirskii*)**Predatory Beetle** (*Atheta coriaria*)**Common Green Lacewing** (*Chrysoperla carnea*)**Red Lipped Lacewing** (*Chrysoperla rufilabris*)**Predatory Soil Mite** (*Gaeolaelaps aculeifer*)**Predatory Mite** (*Hypoaspis mite*)**Predatory Mite** (*Iphiseius degenerans*)**Predatory Mite** (*Neoseiulus cucumeris*)**Minute Pirate Bug** (*Orius insidiosus*)**Nematode** (*Steinernema feltiae*)**Predatory Mite** (*Stratiolaelaps scimitus*)**White Flies****Biocontrol Organism:****Common Name** (*Scientific name*)**Predatory Mite** (*Amblydromalus limonicus*)**Predatory Mite** (*Amblyseius andersoni*)**Swirski Mite** (*Amblyseius swirskii*)**Black Lady Beetle** (*Delphastus catalinae*)**Predatory Bug** (*Dicyphus hesperus*)**Parasitoid Wasp** (*Encarsia formosa*)**Parasitoid Wasp** (*Eretmocerus californicus*)**Parasitoid Wasp** (*Eretmocerus eremicus*)**Parasitic Wasp** (*Eretmocerus mundus*)***Bigeyed Bugs** (*Geocoris punctipes*)**Minute Pirate Bug** (*Orius insidiosus*)**Nematode** (*Steinernema feltiae*)**Other Pests******Biocontrol Organism:****Common Name** (*Scientific name*)**Red Scale Parasite** (*Aphytis melinus*)**Predatory Beetle** (*Atheta coriaria*)**Parasitoid Wasp** (*Catolaccus hunteri*)**Common Green Lacewing** (*Chrysoperla carnea*)**Red Lipped Lacewing** (*Chrysoperla rufilabris*)**Parasitoid Wasp** (*Dacnusa sibirica*)**Predatory Beetle** (*Dalotia coriaria*)**Lady Beetle** (*Delphastus pusillus*)**Parasitoid Wasp** (*Diglyphus isaea*)**Bigeyed Bugs** (*Geocoris punctipes*)**Nematode** (*Heterorhabditis bacteriophora*)**Nematode** (*Heterorhabditis megidis*)**Predatory Mite** (*Neoseiulus degenerans*)**Minute Pirate Bug** (*Orius insidiosus*)**Parasitoid Wasp** (*Peristenus relictus*)***Parasitoid Wasp** (*Peristenus stygicus*)***Lady Beetle** (*Rhyzobius lophanthae*)**Nematode** (*Steinernema carpocapsae*)**Nematode** (*Steinernema feltiae*)**Nematode** (*Stenernema kraussei*)**Mite** (*Thyreophagus entomophagus*)**Parasitoid Wasp** (*Trichogramma platneri*)**Parasitoid Wasp** (*Trichogramma pretiosum*)**Parasitoid Wasp** (*Trissolcus basalidis*)**Permitted companies that will sell/ship biocontrol organisms to Alaska****Beneficial Insectary**9664 Tanquerary Ct., Redding CA, 96003
(530) 226-6300 | www.insectary.com**Koppert Biological Systems Inc.**1502 Old US 23, Howell, MI 488843
1 (800) 928-8827 | www.koppertus.com

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