

The IPM Practitioner

Monitoring the Field of Pest Management

Volume XXIII, Number 11/12, November/December 2001

2002 Directory of Least-Toxic Pest Control Products

The 2002 Directory is a gateway to more than two thousand useful pest control items (for Quick Access see Box A on page 2 and the Index on page 38). Many of these products, services, or beneficial organisms have come to our attention in connection with articles published in BIRC's *IPM Practitioner* or the *Common Sense Pest Control Quarterly*, through IPM programs designed by our staff, or via recommendations from colleagues.

This Directory is unique because it is compiled by IPM technical experts, includes specific product descriptions, and is organized in concert with the IPM decision-making process (see *The IPM Practitioner* 13(11/12):1-9). All information is current, and is constantly updated on BIRC's computerized database system. It is divided into four management sections: Insects, Plant Disease, Vertebrates, and Weeds. Within each section, information is listed in alphabetical order by specific pest grouping. The IPM decision-making steps used to organize individual pest listings include Identification & Monitoring plus a consideration of Physical, Horticultural, Biological, and Least-Toxic Chemical Control methods.

For each product, specific descriptions are included when applicable, followed by the company name and the product name when available (in parentheses). Addresses and phone numbers of manufacturers and suppliers are listed alphabetically by company name at the end of the Directory. An Index to the Directory follows the List of Addresses.

Feedback and Disclaimer

Two caveats apply to this information. First, to the best of our knowledge, these products, services, and beneficials are effective and are produced by



Shown here is the big-eyed bug, *Geocoris punctipes*, a predator of aphids, lygus bugs, caterpillars, mites, and a number of other arthropod plant pests. Sources for this insect and many other least-toxic or non-toxic pest control products can be found in this Directory.

reputable companies. However, they are used at your own risk, and BIRC makes no guarantees or warranties regarding any listing. To help us maintain quality control, we encourage you to contact us about your experiences, both positive and negative, with any of these companies or resources.

Secondly, all information was current at press time. However, pest control is a rapidly changing field: products come and go, and companies change hands and locations on a regular basis. Therefore, if you fail to reach any of the companies listed here, contact us at PO Box 7414, Berkeley, CA 94707; 510/524-2567.

Beneficial Insects

Both domestic and international producers of beneficials found in the Directory are listed by alphabetical order in the List of Addresses at the end of the

Directory. Names and addresses of Biobest distributors are listed separately in Box B at the beginning of the List of Addresses, and Koppert distributors are listed in Box C.

To obtain speedy delivery and receive advice from experienced sources, we recommend that you order directly from pro-

Acknowledgment

The *IPM Practitioner* would like to thank all the companies who supplied us with information, the National Biological Control Institute for a grant to help with production (see page 37), the generous support of BIRC members, our advertisers, and William Quarles and Jennifer Bates who did all the clerical and production work on this issue.

Photo courtesy of the USDA

The *IPM Practitioner* is published ten times per year by the **Bio-Integral Resource Center (BIRC)**, a non-profit corporation undertaking research and education in integrated pest management.

Managing Editor	William Quarles
Contributing Editors	Sheila Daar Tanya Drlik Laurie Swiadon Anghe Zhang
Editor-at-Large	Joel Grossman
Business Manager	Jennifer Bates
Artist	Diane Kuhn

For media kits or other advertising information, contact Bill Quarles at 510/524-2567.

Advisory Board

George Bird, Michigan State Univ.; Sterling Bunnell, M.D., Berkeley, CA; Momei Chen, Jepson Herbarium, Univ. Calif., Berkeley; Sharon Collman, Coop Extn., Wash. State Univ.; Sheila Daar, Daar & Associates, Berkeley, CA; Walter Ebeling, UCLA, Emer.; Steve Frantz, NY State Dept. Health; Linda Gilkeson, Canadian Ministry of Envir., Victoria, BC; Joseph Hancock, Univ. Calif., Berkeley; Manfred Mackauer, Centre for Pest Management, Simon Fraser Univ., Canada; Helga Olkowski, Dietrick Inst., Ventura, CA; William Olkowski, Dietrick Inst., Ventura, CA; George Poinar, Oregon State University, Corvallis, OR; Ron Prokopy, Univ. Massachusetts; Ramesh Chandra Saxena, ICIPE, Nairobi, Kenya; Ruth Troetschler, PTF Press, Los Altos, CA; J.C. van Lenteren, Agricultural University Wageningen, The Netherlands.

Manuscripts

The IPMP welcomes accounts of IPM for any pest situation. Write for details on format for manuscripts.

Citations

The material here is protected by copyright, and may not be reproduced in any form, either written, electronic or otherwise without written permission from BIRC. Contact William Quarles at 510/524-2567 for proper publication credits and acknowledgement.

Subscriptions/Memberships

A subscription to the IPMP is one of the benefits of membership in BIRC. We also answer pest management questions for our members and help them search for information. Memberships are \$60/yr (institutions/libraries/businesses); \$35/yr (individuals). Canadian subscribers add \$15 postage. All other foreign subscribers add \$25 airmail postage. A Dual membership, which includes a combined subscription to both the *IPMP* and the *Common Sense Pest Control Quarterly*, costs \$85/yr (institutions); \$55/yr (individuals). Government purchase orders accepted. Donations to BIRC are tax-deductible.
FEI# 94-2554036.

Change of Address

When writing to request a change of address, please send a copy of a recent address label.

© 2001 BIRC, PO Box 7414, Berkeley, CA 94707; (510) 524-2567; FAX (510) 524-1758. All rights reserved. ISSN #0738-968X

ducers. Most of the producers listed rear at least one beneficial, but may distribute organisms produced by other companies.

Some producers may refer you to a distributor for small quantities. Whether the company is a producer or a distributor can be determined when a company representative is contacted. Since space limitations preclude listing all retail distributors of beneficial insects, only a select few are included.

International Orders of Beneficials.

U.S. purchasers of natural enemies from Canada or other foreign countries must secure an import permit prior to ordering. Permit form #526 (for Canada) and forms for importing from other countries are available from: USDA-PPQ/APHIS, Federal Center Bldg., Hyattsville, MD 20782. Canadians purchasing from U.S. producers need form #720, available from: Agriculture Canada, PPQD, Permit Office, Ottawa K1A 0C6.

Quantities of Beneficials. Questions about quantities to order, timing, and procedures for releasing the natural enemies can be answered by the producers. BIRC members/subscribers can also obtain advice from our technical staff. When making inquiries, please specify pest species, approximate number of plants (e.g., acreage, bench space, etc.), estimate of numbers of pests (e.g., number per sample leaf or percent of crop infested), and life stage of pest (adult, larva, etc.).

Instructions for Beneficials. Most producers send instructions for releasing beneficial insects. However, these organisms are most effective when used within a full IPM program. Send for BIRC's Publications Catalog for a listing of 'how-to' articles on incorporating biological control organisms within IPM programs for specific pests.

Box A. Quick Access

If you are looking for a specific item, see the Index on pages 38 and 39. To find a remedy for your pest problem, look in one of the four major sections according to whether the pest is an insect (arthropod), plant disease pathogen, vertebrate, or a weed. Except for the weed section, pests are listed by alphabetical order in each of the major categories. When you have found the pest listing, there are separate sections for Identification and Monitoring, and for Physical, Horticultural, Biological, or Least-Toxic Chemical Controls. For instance, to find a parasitoid to control aphids, look in the Insect Management section under Aphids, then under Biological Controls, then under Parasitoids. To find a trap for a raccoon, look in the Vertebrate section under Raccoons, then under Physical Controls until you find a listing of traps. Brand name items are enclosed in parentheses, and are attached to a series of suppliers. The first supplier on the list is the manufacturer.

If the product you are seeking is not in the Index, you must know how the product is used, and for which pests, in order to immediately find the listing. If the item you are

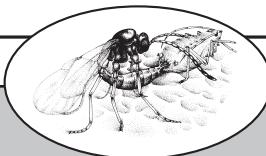
seeking is hard to categorize, each of the four main divisions has a Miscellaneous section. If you are looking for a specific item such as insecticidal soap, diatomaceous earth, or silica gel, and do not know which pest category you should look at, browse major pest sections such as Ants and Aphids first, then browse Miscellaneous.

Beneficials

To find beneficial insects or arthropods, look first in the Index. If there is no listing in the Index, find the appropriate major section, then the alphabetical listing of the pest you are trying to control. When you have found the pest listing, then look under

Biological Controls. Parasitoids available to fight your pest are listed first, followed by effective predators. **Beneficials are listed in alphabetical order by scientific name.**

A list of suppliers follows every item in the Directory. To find the addresses and phone numbers for the suppliers listed, look up each supplier by alphabetical order in the List of Addresses at the end of the Directory.



INSECT MANAGEMENT

ANTS

Physical Controls

High Performance Vacuum:

Proteam (L'il Hummer, Optimus)

Heat Treatment (carpenter ants):

TPE/Thermapure (Call for local practitioners)

Sticky Barrier:

Tanglefoot, Planet Natural, Charley's, Gardens Alive!, Great Lakes, Harmony, • Peaceful Valley • Phero Tech (Stikem Special)

Solar-powered Ant Trap (for fire ants):

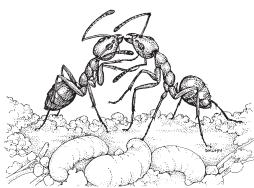
Heitman Labs (Solar Ant Charmer)

Teflon Barrier:

Check local hardware store in plumbing supplies

Pet Bowls with Barriers:

Alternative Control (Fool-A-Bug)



Tree Wrap:

Olson (Stiky Tree Guards) • Peaceful Valley

Biological Controls

Insect-Attacking Nematodes:

Mixture of species (for fire ant): Gulf Coast

Parasitic Mites:

Pyemotes tritici: (for fire ant): ARBICO • Biofac • Praxis

Least-Toxic Chemical Controls

Abamectin Bait (for fire ants):

Whitmire, Planet Natural (Ascend)

Abamectin Bait (for carpenter and household ants):

Whitmire (Advance)

Fenoxycarb Bait (for fire ants):

Syngenta (Award, Logic)

Hydramethylnon Bait (for fire ants):

TopPro (Amdro) • Clorox (Maxforce)

Methoprene Bait (for fire ants):

Wellmark (Extinguish)

Methoprene Bait (for Pharaoh ant):

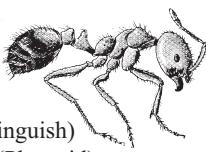
Wellmark (Pharorid)

Pyriproxyfen Bait (for fire ant):

Valent USA (Distance)

Spinosad Bait (for fire ant):

Dow (Conserve)



Botanical Sprays:

Woodstream (Mint Oil) • EcoSmart (herbal extracts) • Orange Guard (Orange Oil) • Kinzua (Orange Oil) • Insecto (Pine oil for fire ants)

Borate-Based Insecticides:

Waterbury (Mop-Up) • Whitmire (PT 240D Perma-Dust) • Waterbury, Planet Natural (Borid) • NISUS (Nibor)

Borate liquid ant baits (1%):

Waterbury, Gardener's Supply, Harmony (Drax) • Peaceful Valley • Woodstream (Victor) • JT Eaton (Dr. Moss) • Whitmire • Innovative

Ant Cafe for Liquid Baits:

Innovative Products

Borate liquid bait (5%):

Senoret, Harmony (Terro) • Roxide (Roxo)

Borate gel bait: Blue Diamond (ProJoeS, 4.5% DOT) • Innovative (Gourmet, 6% DOT) • A Safe (Uncle Albert's, 5% DOT)

Borate granular ant bait: NISUS, Target (Niban, Niban FG)
Borate granular fire ant bait (18% boric acid):

Bushwhacker

Borate rods (for carpenter ants):

Pole Care (Impel Rods)

Borate-treated lumber (for carpenter ants):

Roy O. Martin • Osmose • Louisiana Pacific

Borate treatments (for carpenter ants):

NISUS, Target, Vopak (Bora-Care) • Permachink (Guardian, Shellguard) • Sashco (Penetreat) • NISUS (TimBor)

Diatomaceous Earth (DE) (ants, crawling insects, stored products. Permaguard, Diafil, Crop Guard, Protect-It, and Dryacide are for stored products use. Baited DE and DE with pyrethrin is used for crawling insects such as ants, roaches, and others):

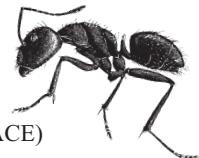
Celite (100% freshwater DE, Diafil) • Eagle Picher (100% freshwater DE, Crop Guard, All Gone) • Hedley (90% Marine DE and 10% silica gel, Protect-It) • Natural Insecto, Natural Insect Control (90% marine DE, 10% food bait, Insecto) • Dryacide (97% freshwater DE and 3% silica gel) • Permaguard, Nitron, Pristine (100% freshwater DE, Permaguard) • Intagra, Necessary (Concern) • Harmony • Nature's Control • Peaceful Valley • JT Eaton (Answer) • Gardener's Supply

With pyrethrin (fire ant):

Permaguard, Pristine, Nitron (Permaguard Household) • Necessary (Concern) • Gardens Alive • Organic Solutions

Hydramethylnon Bait Station and Granular Bait:

Clorox Company (Maxforce, Combat)



Fipronil Bait Station:

Clorox Company (Maxforce)

Integrated Perimeter Bait Station:

B & G (Perimeter Patrol) • Maxforce • Whitmire (ACE)

Sulfluramid Bait Stations:

FMC (Fluor-Gard) • Whitmire (Pro-Control) • S.C. Johnson (Raid Max)

Insecticidal Soap:

Woodstream, Planet Natural, Gardens Alive!, Harmony, Nitron, Johnny's, Smith & Hawken, Peaceful Valley, Charley's (Safer Insecticidal Soap)

With pyrethrin:

Woodstream, Harmony, Planet Natural (Safer Yard and Garden, Safer Tomato and Vegetable)

Pyrethrin:

Roxide • Whitmire (PT 175 microencapsulated, PT-565, PT-505 XLO) • Hess & Clark (microencapsulated, Capsul-Ban) • Hess & Clark (Formula 66, LD 44Z) • AgrEvo (Kicker) • Peaceful Valley (w/o PBO, Py-Rin) • Monterey (Bug Buster O, w/o PBO)

Repellent Garlic Spray:

Garlic Research Labs, Chemical-Free (Garlic Barrier) • Harmony • Peaceful Valley • Soil Technologies (Garlic Gard) • Ecosci (Enviropel)

Silica Aerogel:

100% Pure:

Cabot (Cab-O-Sil) (Must order 10 pound minimum) • Degussa (Wessalon S., Aerosil 380) (Must order 25 pound minimum)
With pyrethrin:
 AgrEvo, Target (Drione) • Whitmire, Purity Products (PT 239 Tri-Die) • Vopak

APHIDS

Identification & Monitoring

Monitoring Traps:

Gardens Alive!, Great Lakes, Olson, Gemplers, Trécé (Pherocon) • Consep, Harmony, Gemplers • Natural Insect Control • Peaceful Valley • Phero Tech

Physical Controls

Barriers & Exclusion Devices:

Gardens Alive! • Planet Natural

High Pressure Sprayer:

W.H. Vinton (Water Wand)

Reflective mulch:

Mipco

Row Covers:

American Agrifabrics (AgGro) • Gardener's Supply • Gardens Alive! (Super-Light) • Great Lakes (BBA) • Harmony (Harvest Guard, Tufbell) • Peaceful Valley (Tufbell, AgGro) • Shepherd's (AgGro) • Mipco • BBA • Natural Insect Control

Screening:

Green-Tek • Hydro-Gardens (Fly Barr) • Tipper, Harmony, Peaceful Valley (Tie-Net)

Sticky Adhesive:

Seabright, Charley's, Great Lakes, Harmony, Phero Tech, (Stickem Special) • ARBICO, Planet Natural, Great Lakes, Harmony, Natural Insect Control, Gemplers, Tanglefoot (Tangle-Trap) • Peaceful Valley

Sticky Trap/Tape:

ARBICO • Gardens Alive • Great Lakes, Olson, Gemplers (Yellow Sticky Traps & Tapes) • Seabright (Sticky Traps) • Phero Tech • Great Lakes, ARBICO, Planet Natural, Gemplers (Versagard) • Peaceful Valley • Harmony • Springstar • Nature's Control • Woodstream

Traps:

ARBICO • Planet Natural • Gardens Alive! • Great Lakes • Harmony • IPM Labs • Natural Insect Control • Gemplers • Peaceful Valley • The Green Spot • Olson • Phero Tech

Biological Controls

Habitat:

Earwig Shelter: Biotechnik

Beneficial Seed Blend (for plants that attract beneficial insects): Harmony • Peaceful Valley • Lohse Mill • Rincon-Vitova • Cornflower Container-grown beneficial plants: Cornflower

Attractant for lady beetles:

Woodstream, Harmony, Santa Cruz Hort, ARBICO, Peaceful Valley, Great Lakes, The Natural Gardening (SureFire) • The Green Spot (Ladybug lure) • Springstar

Microbial Insecticides:

Beauveria bassiana (fungus for aphid control): Troy, Gardener's Supply, Hydrogardens (Naturalis O, L, ES) • Emerald (Mycotrol, Botanicard)

Paecilomyces sp. (fungus for aphid control): Bio Pré • HydroGardens •

BioBest • Certis

Verticillium lecanii (fungus for greenhouse use): Koppert (Mycotal, Vertalec)

Parasitoids:

Aphelinus abdominalis: Biobest • Duclos • Koppert • Natural Insect Control • Praxis • Rincon Vitova

Aphidius colemani: (for cotton aphid): Biological Control • Biobest • Biobest Canada • Syngenta Bioline • International Technology • IPM Labs • Koppert • Natural Insect Control • Plant Sciences • W. Neudorff • The Green Spot • BioBee • Martin Grima • Rincon Vitova • Garta • Florikan • Katz

Aphidius ervi (for potato aphid): Bio Pre • Biobest • Biobest Canada • Koppert • W. Neudorff • IPM Labs • Natural Insect Control • Garta

Aphidius matricariae: Applied Bionomics • Evergreen • Syngenta Bioline • Gartnerei • IPM Labs • Koppert • Natural Pest Control • Nature's Control • Praxis • W. Neudorff • The Green Spot • Rincon Vitova

Aphidius sp.: Biological Crop • The Green Spot

Diaeletiella rapae: ARBICO • Praxis

Episyphrus balteatus: Flora • Katz

Lysiphlebus testaceipes: Praxis • Bioplanet • Flora • Katz

Praon myziphagum: Biowise

Trioxys pallidus(for walnut aphid): Praxis

Predators:

aphid midge, *Aphidoletes aphidimyza*: ARBICO • Applied Bionomics • Biobest • Biological Crop • Bio Pre • Evergreen • Planet Natural • Budai • Syngenta Bioline • Biowise • Gartnerei • Hydro-Gardens • International Technology • IPM Labs • Koppert • Natural Insect Control • Natural Pest Control • Nature's Control • Peaceful Valley • Plant Sciences • Praxis • Rincon-Vitova • Sautter & Stepper • The Green Spot • W. Neudorff • Flora • EcoSolutions • BioBee • Katz

Lacewings:

Chrysoperla carnea or *Chrysopa carnea*: A-1 Unique • Bio Ag • Biological Crop • Bioplanet • Bowen • The Green Spot • Gartnerei • Gardens Alive • Koppert • Kuida • Natural Insect Control • Natural Pest Controls • Organic Control • Peaceful Valley • Praxis • Rincon-Vitova • Sautter & Stepper • W. Neudorff • American Insectaries • Katz

Chrysoperla rufilabris or *Chrysopa rufilabris*: ARBICO • Bio Ag • Biofac • Bowen • Planet Natural • IPM Labs • Kuida • M & R Durango • Natural Insect Control • Nature's Control • Peaceful Valley • Praxis • Rincon-Vitova • Western Farm • The Green Spot • American Insectaries

Chrysoperla spp.: Beneficial Insectary • International Technology • Kunafin • Smith & Hawken • Flora • Buena

Mallada signata: Bugs for Bugs

Lady beetles:

Convergent lady beetle, *Hippodamia convergens*: A-1 Unique • ARBICO • Bio Ag • Biofac • Bowen • Buena • Evergreen • Planet Natural • Gardens Alive • Hydro-Gardens • International Technology • IPM Labs • Koppert • Kunafin • M & R Durango • Natural Insect Control • Natural Pest Controls • Nature's Control • Peaceful Valley • Praxis • Rincon-Vitova • Smith & Hawken • The Green Spot • The Ladybug Company • Ladybug Farms • Western Farm • EcoSolutions

Lady beetle, *Coleomegilla maculata*: IPM Labs • Florikan • Natural Insect Control

Lady beetle, *Propylea quatuordecimpunctata*: Praxis
Lady beetle, *Harmonia axyridis*: Biobest, Koppert, Applied Bionomics, Rincon Vitova, The Green Spot, Evergreen, Bioplanet
Lady beetle, *Adalia bipunctata*: Andermatt

Predatory bugs:

Big-eyed bug, *Geocoris punctipes*: Biofac • Biotactics • Rincon Vitova
• Natural Insect Control

Insidious flower bug, *Orius insidiosus*: IPM Labs • Syngenta Bioline • Gartnerei • Nature's Control • Rincon Vitova • Katz • Flora
Orius laevigatus: Bioplanet
Orius spp.: Biobest • Duclos • Natural Insect Control • Peaceful Valley
• Syngenta Bioline

Minute pirate bug, *Orius tristis*: ARBICO • Planet Natural • Praxis
Mirid bug, *Deraeocoris brevis*: Applied Bionomics

Least-Toxic Chemical Controls

Cinnamic Aldehyde:

Emerald, Peaceful Valley (Cinnamite)

Cinnamon Oil, Garlic, Cottonseed Oil:

JH BioTech, Harmony (GC-Mite)

Aphid Alarm Pheromone:

Springstar

Diatomaceous Earth: See Ants

Insect Growth Regulators:

Wellmark (Enstar)

Insecticidal Oil:

Highly refined oil (from fish):

Peaceful Valley

Highly refined oil (from petroleum):

Monterey, Harmony (Saf-T-Side) • Valent USA, Harmony, Peaceful Valley (Volck) • Sun, Gardens Alive!, Harmony, Peaceful Valley, Charley's (Sunspray) • PBI/Gordon (Acme) • The Green Spot • Florikan (Target Oil) • Gardens Alive (Eco-Oil) • JMS (JMS Stylet Oil)

Highly refined oil (from plants):

Stoller, Peaceful Valley (Natur'l Oil 93% soybean) • ARBICO (Spreadall 93% cottonseed) • Gardens Alive • Harmony (EcoErase)

Insecticidal Soap:

Harmony (M-Pede) • Agricola El Sol (ACT-92) • Intagra, Necessary (Concern) • Woodstream (Safer Rose and Flower, Insecticidal Soap, Fruit and Vegetable) • Peaceful Valley • Shepherd's • The Green Spot

With pyrethrin:

Intagra, Necessary (Concern) • Woodstream, Gardens Alive!, Harmony, Nitron (Safer Yard and Garden, Tomato and Vegetable) • Peaceful Valley

Neem Products:

Certis, Intagra, Harmony (Azatin) • Woodstream, Harmony, Peaceful Valley (Safer's BioNeem, Japanese Beetle Repellent) • Certis, Planet Natural, Peaceful Valley, Harmony (Neemix, Trilogy) • Green Light • San Jacinto (Organica)

Pyrethrin:

Johnny's, Peaceful Valley (Pyrenone) • AgrEvo (Kicker) • Whitmire (microencapsulated PT-175 MicroCare, PT 565, PT 505) • Hess & Clark (microencapsulated, Capsul-Ban, Formula 66, LD-44Z) • Peaceful Valley (Py-Rin, w/o PBO) • Monterey, Harmony (Bug-Buster O, w/o PBO) • Intagra, Necessary (Concern) • PBI/Gordon (Garden Guard, Pyrethrin Dust)

Pyrethrin and Oil:

Gardens Alive (Pyola) • Harmony (Pyola)

Pyrethrin, rotenone, copper, sulfur:

Bonide, Gardener's Supply (Bonide Garden Dust)

Pyrethrum Powder:

Planet Natural • Peaceful Valley • Nichols Garden

Repellent Garlic Spray:

Garlic Research Labs, Chemical-Free, Planet Natural, (Garlic Barrier)

• Soil Technologies (Garlic Gard) • The Green Spot • Vegetable Juices (Pure Garlic Oil) • JH Biotech • Harmony

Repellent Mustard Oil:

Soil Technologies

Repellent Hot Pepper Wax:

Charley's • Harmony (Wilder's) • The Green Spot • Garden City

Sabadilla Powder:

Gardens Alive! • Dunhill, Harmony, Peaceful Valley (Veratran) • Nichols Garden

BEES

(See Yellow Jackets)

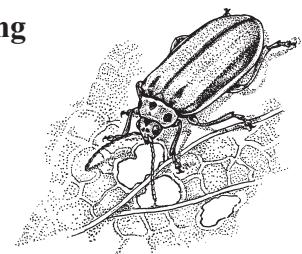
BEETLES

(Crop and Stored Product Pests)

Identification & Monitoring

Attractant for Cucumber Beetle:

Sigma Chemical (eugenol) • Trécé (CIDE-TRAK CRW)



Pheromones & Traps:

For agricultural & horticultural insects:

Woodstream, Gardens Alive! (Safer Japanese Beetle Trap, Surefire) • Gemplers, Great Lakes, Phero Tech (Wing Trap I and II, Unitrap, Delta Traps) • Scentry, Gemplers, Great Lakes, ARBICO, Planet Natural (Scentry) • Phero Tech (Phero Tech Lures) • Scentry, Great Lakes, ARBICO, Planet Natural, Gemplers, Natural Insect Control (Delta & Wing Trap) • Trécé, Gardens Alive!, Great Lakes, Olson, Gemplers (Pherocon) • Harmony (Catch-em) • Suterra, ARBICO, Insects Ltd., Great Lakes, Intagra, Santa Cruz Hort, Harmony, Gemplers (BioLure) • Hercon, Great Lakes (Luretape) • Tomagro (TomaAttract)

For forestry insects:

Phero Tech (Phero Tech Lures)

For Japanese beetle:

Trécé, Gardens Alive, Great Lakes, Olson, Harmony • Phero Tech • Woodstream, Harmony, Great Lakes (Safer) • Tanglefoot • Springstar

For pepper weevil:

Trécé, Gardens Alive, Great Lakes, Olson, Harmony (Pherocon PEW)

For stored product insects:

Great Lakes (Trappit Insect Probe) • Verdant, Santa Cruz Hort, ARBICO, Great Lakes, Necessary, Gemplers (Safer) • Trécé, Gardens Alive, Great Lakes, Olson, Harmony, Gemplers (Storgard, WB Probe II for weevils) • Trécé (Dome for confused flour beetle) • Trécé (Dome for cigarette beetle) (Sanitrap for cigarette beetle)

Physical Controls

Controlled Atmosphere System (for stored grains):

Row Covers:

American Agrifabrics (AgGro) • Great Lakes (BBA) • Gardener's Supply, Necessary, Gardens Alive! (Floating Row Covers) • Gardens Alive! (Super-Light Insect Barrier) • Harmony (Harvest Guard, Tufbell) • Peaceful Valley (Tufbell, AgGro) • Mipco

Spiked lawn aerator sandals

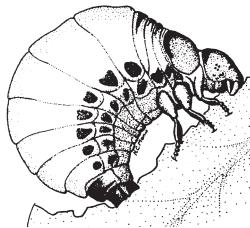
(for white grub control):

Gardener's Supply • Planet Natural

Traps and Sticky Tape:

Sterling Intl. (Japanese Beetle Trap)

• Phero Tech (Chroma) • Scentry, Great Lakes, ARBICO, Planet Natural, Gemplers (Scentry) • Peaceful Valley



Biological Controls

Attractant for soldier bugs that attack pest beetles:

Sterling Intl., Planet Natural, Natural Insect Control (Rescue!)

Seed mix to attract beneficial insects:

Lohse, Harmony, Peaceful Valley, Rincon-Vitova

Syringe for nematode injection (for borers):

Gardens Alive

Insect-Attacking Nematodes:

Heterorhabditis bacteriophora: BioLogic • IPM Labs • Integrated Biocontrol • Natural Insect Control • Plant Health Care • Koppert
Heterorhabditis megidis: Andermatt • Biological Crop • Biobest • International Technology • W. Neudorff • Plant Sciences

Heterorhabditis spp.: Syngenta Bioline • Biowise • Hydro-Gardens • M & R Durango • Natural Insect Control • Nature's Control • Nematec • W. Neudorff • Peaceful Valley

Heterorhabditis marelatus: Evergreen

Steinernema carpocapsae: Biological Crop • Biofac • BioLogic • Certis • Planet Natural • Gardens Alive! • Hydro-Gardens • IPM Labs • M & R Durango • Natural Insect Control • Peaceful Valley

Steinernema feltiae: BioLogic • Certis • International Technology • IPM Labs • Koppert • Natural Insect Control • W. Neudorff

Steinernema feltiae and *Heterorhabditis* sp. (mix): North Country

Steinernema riobravis: Certis • Harmony

Microbial Insecticides:

Bacillus thuringiensis (BT) for beetle larvae:

Bonide, Gardener's Supply (Bonide) • Johnny's, Harmony (Colorado Potato Beetle Beater) • Ecogen (Raven, Foil) • Plant Health Care

Bacillus thuringiensis tenebrionis (BTT):

Valent USA (Novodor) • Gardens Alive (Potato Shield)

Bacillus popilliae (milky spore disease):

St. Gabriel, Gardener's Supply, North Country (Milky Spore)

Beauveria brongniartii (fungus for Melolontha):

Andermatt

Beauveria bassiana (fungus for grubs):

Troy, Hydrogardens, Planet Natural, Gardener's Supply (Naturalis T)

Insecticidal oil spreader-sticker used with BT:

Monterey (Nature's Own)

Parasitoids:

Anaphes spp. (for cereal leaf beetle): Rincon-Vitova

Anisopteromalus calandrae (stored product beetles): ARBICO • Biofac • Praxis

Bathyplectes curculionis (for alfalfa weevil): Praxis

Cephalonomia waterstoni (for rusty grain beetle): Praxis

Catalaccus grandis (for boll weevil): Rincon-Vitova

Catalaccus hunteri (for pepper weevil): Rincon-Vitova

Edovum puttleri (for Mexican bean, CO potato beetle): Praxis

Lemophagus crioceritor (for asparagus beetle): Praxis

Meigenia mutabilis (for alfalfa weevil): Praxis

Microctonus spp. (for alfalfa weevil): Praxis

Pediobius foveolatus (for Mexican bean beetle): ARBICO • Praxis • IPM Labs

Tetrastichus asparagi (for asparagus beetle): Praxis

Tetrastichus julis (for cereal leaf beetle): Praxis

Predators:

spined soldier bug, *Podisus maculiventris* (for CO potato beetle):

ARBICO • Bug Factory • Rincon-Vitova

warehouse pirate bug, *Xylocoris flavipes* (for stored product beetles): ARBICO • Biofac • Praxis

Least-Toxic Chemical Controls

Baits (cucurbitacin, with carbaryl for cucumber beetle or corn rootworm):

MicroFlo (Adios, Slam)

Borate-Based Insecticides:

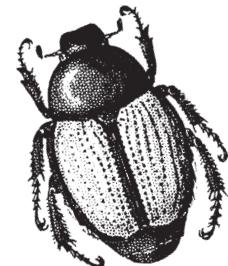
Whitmire (PT 240D) • Nisus (Niban, Niban FG)

Diatomaceous Earth: See ANTS

Epazote (*Chenopodium ambrosioides*)

for protection against stored product beetles:

Nichols Garden • J.L. Hudson



Garlic Repellents:

Garlic Research Labs, Chemical-Free (Garlic Barrier) • Soil Technologies (Garlic Gard) • Harmony (Guardian) • Vegetable Juices (pure garlic oil)

Mustard Repellent:

Soil Technologies

Insect Growth Regulators (for beetle grubs):

Bayer Agricultural (halofenzimide, Mach-2)

Insecticidal Soap (for flea beetle):

Intagra (Concern) • Woodstream (Safer) • Peaceful Valley

With pyrethrin:

Intagra (Concern Multi-Purpose), Woodstream, Gardens Alive!, Harmony, Nitron (Safer Yard and Garden) • Peaceful Valley

Neem Products:

Certis, Planet Natural (Azatin) • Woodstream, Harmony, Gardener's Supply, Peaceful Valley, The Natural Gardening (Surefire Japanese Beetle Repellent) • Woodstream, Harmony, Peaceful Valley (Safer's BioNeem) • Certis, Harmony, Peaceful Valley (Neemix, Trilogy) • Gardens Alive (Neem-Away) • Green Light, Harmony (Rose Defense) • San Jacinto (Organica)

Nicotine Analog (for beetle grubs):

Bayer Agricultural (imidacloprid, Admire)

Pyrethrin:

Roxide • Whitmire (microencapsulated PT-175 MicroCare, PT 565, PT 505) • Johnny's, Peaceful Valley (Pyrenone) • Hess & Clark (microencapsulated, Capsul-Ban, Formula 66, LD-44Z) • AgrEvo (Kicker) • Peaceful Valley (Py-Rin, w/o PBO) • Monterey, Harmony (Bug Buster O, w/o PBO)

Pyrethrin, rotenone, copper, sulfur:

Bonide, Gardener's Supply (Bonide Garden Dust)

Pyrethrum Powder:

Nichols Garden • Harmony • Peaceful Valley

Rotenone:

Bonide • Peaceful Valley

Sabadilla:

Dunhill, Harmony (Veratran) • Peaceful Valley

Silica Aerogel: See ANTS

Spinosad Microbial Isolate (leaf beetles):
Dow Agro (Conserve)

BEETLES

(Structural Pests)

Identification & Monitoring

Trained Dogs (for detection):
Industrial Narcotic • Beacon Dogs

Physical Controls

Cold Treatment (liquid nitrogen):
Tallon Pest Control (The Blizzard System)

Electrical Treatment (for drywood termite & boring beetles):
ETEX (Electrogun)

Heat Treatment:
TPE/Thermapure (Call for local practitioners) • In Denmark (AS Skadedyrcentralen) • In England (Thermo Lignum) • Topp (Heaters)

Microwave Treatment:
Bio-Integral Resource Center (Call for local referrals)

Microwave Equipment:
Wavelength • Professional Equipment

Least-Toxic Chemical Controls

Borate Rods:
Pole Care, Nisus (Impel Rods)

Borate Termicide & Wood Preservative:
NISUS, Target, Vopak (Bora-Care) • Permachink (Guardian, Shellguard) • Sashco (Penetreat) • NISUS (TimBor)

Borate Treated Lumber and Building Material:
Roy O. Martin • Gross and James (cross ties) • Osmose • Louisiana Pacific

Borate Treated Logs:
Appalachian • Coast-to-Coast • Lok-N-Logs

BLACKFLY

(See Mosquitoes)

BORERS

(See Beetles)

BUGS

(Hemipterans)

Identification & Monitoring

Pheromones & Traps:
Trécé, Gardens Alive!, Great Lakes, Olson, Gempler's (Pherocon) • Phero Tech • Peaceful Valley

Physical Controls

Screening:
Tipper, Harmony, Peaceful Valley (Tie-Net)

Row Covers:
American Agrifabrics (AgGro) • Great Lakes (BBA) • Gardens Alive (Super-Light) • Gardener's Supply, Gardens Alive (Floating Row Covers) • Harmony (Tufbell, Harvest Guard) • Peaceful Valley (Tufbell, AgGro) • Mipco • Gempler's • Shepherd's

Vacuum:
BioQuip • D-VAC • Proteam (Hummer, Optimus, inside use)

Horticultural Controls

Beneficial Seeds and Plants:
Cornflower • Harmony • Lohse Mill

Insect-Resistant Turfgrass:

Endophytic Ryegrass (repels billbugs & caterpillars):
Lofts Seed (Repell, Repell II, Yorktown III, Palmer II, Prelude II) • Turf Seed (Citation II, Birdie II, Omega II, CBS II, Manhattan II, Charger, Quickstart, 246 Sunrye) • Turf Seed (Sunrye) • Gardens Alive (Turf-Alive) • Turf Seed (Citation III, Bright Star, Catalina, Navajo, Road Runner)

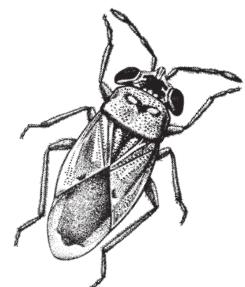
Endophytic tall fescue (repels billbugs):
Turf Seed (Apache, Tomahawk) • Lofts Seed (Jamestown II, Reliant)

Biological Controls

Attractant for soldier bugs that attack pest bugs:
Sterling Intl., Planet Natural, Natural Insect Control (Rescue!)

Microbial Insecticides:

Entomopathogenic fungi:
Beauveria bassiana (for chinch bugs): Troy, Hydrogardens, Gardener's Supply (Naturalis T) • Emerald (Botanigard)
Metarhizium anisopliae (for meadow spittlebug, coffee leafminer):
Agricola El Sol • Bio Pre



Parasitoids:

Anaphes iole (for lygus bug):
Natural Insect Control • The Green Spot
• Rincon-Vitova • Beneficial Insectary
Trissolcus spp. (for stink bug eggs): Praxis

Predators:
spined soldier bug, *Podisus maculiventris* (for CO potato beetle, bugs general, caterpillar general): ARBICO • Gardens Alive! • Natural Insect Control • Bug Factory • Rincon-Vitova
predatory bug, *Deraeocoris brevis* (for lygus bug): The Green Spot • Applied Bionomics

Least-Toxic Chemical Controls

Borate-Based Insecticides:
Whitmire (PT 240D, PT 249 Perma-Dust) • Nisus (Niban bait)

Diatomaceous Earth: See ANTS

Garlic-based repellent:

Soil Technologies (Garlic Gard) • Harmony (Guardian) • Garlic Research (Garlic Barrier)

Insecticidal Soap:

Intagra (Concern) • Woodstream (Safer) • Peaceful Valley

With pyrethrin:

Woodstream (Safer Yard and Garden, Safer Tomato and Vegetable) • Necessary, Intagra (Concern Multi-purpose) • Peaceful Valley

Neem Products:

Certis, Planet Natural, Nitron, Johnny's (Azatin)
• Woodstream, Harmony (Safer's BioNeem) • Certis, Peaceful Valley, Harmony (Neemix, Trilogy) • Green Light (Rose Defense)

Pyrethrin:

Whitmire (PT 175 microencapsulated, PT-565, PT-505 XLO) • Johnny's, Peaceful Valley, (Pyrenone) • Intagra (Concern) • Hess & Clark (microencapsulated, Capsul-Ban, Formula 66, LD-44Z) • AgrEvo, Insects Limited (Kicker, Drione) • Peaceful Valley (Py-Rin, w/o PBO) • Monterey, Harmony (Bug Buster O, w/o PBO)

Pyrethrin and Oil:

Gardens Alive (Pyola) • Harmony (Pyola)

Pyrethrin, rotenone, copper, sulfur:

Bonide, Gardener's Supply (Bonide Garden Dust)

Sabadilla:

Planet Natural • Gardens Alive! • Dunhill, Harmony (Veratran)

Silica Aerogel: See ANTS

CATERPILLARS

Identification & Monitoring

Pheromones & Traps:

For agricultural & horticultural insects: delta, dome, diamond, funnel, jackson, and wing traps

Great Lakes, Gemplers (Multi-Pher, Unitrap, Delta Traps) • Phero Tech, Great Lakes (Unitrap) • Scentry, Gemplers, Great Lakes, ARBICO, Planet Natural (Scentry) • Suterra, Harmony, Planet Natural, Gardens Alive, Peaceful Valley, The Natural Gardening (BioLure) • Phero Tech (Phero Tech Lures) • Scentry, Great Lakes, ARBICO, Planet Natural, Natural Insect Control (Delta & Wing Trap, Heliothis Trap) • Trécé, Gardens Alive!, Great Lakes, Olson, Gemplers (Pherocon) • ARBICO, Harmony (Catch-em) • Peaceful Valley • Hercon • San Jacinto • Tanglefoot (Codling Moth) • Tomagro

For forestry insects:

Phero Tech (Phero Tech Lures)

For stored product insects:

Woodstream, Santa Cruz Hort, ARBICO, Peaceful Valley, Great Lakes, Necessary, Gemplers (Pheromone Traps, Safer) • Phero Tech (Phero Tech Lures) • Trécé, Gardens Alive, Olson, Great Lakes, Harmony, Peaceful Valley (Storgard) • Woodstream, Santa Cruz Hort (Clothes Moth Pheromone) • Springstar • Certis, Harmony (Clothes Moth) • Woodstream (Pantry Pest Pheromone) • Springstar (Clothes Moth)

Physical Controls

Controlled Atmosphere System (for stored grains):

The Aerogen • Air Products (Prism System)

Row Covers:

American Agrifabrics (AgGro) • Great Lakes (BBA) • Gardens Alive! (Super-Light) • Gardener's Supply, Gardens Alive, (Floating Row Covers) • Harmony (Harvest Guard, Tufbell) • Peaceful Valley (Tufbell, AgGro) • Mipco • Shepherds

Sticky Barrier:

Tanglefoot, Planet Natural, Gardens Alive!, Great Lakes, Harmony, Intagra, Phero Tech, Peaceful Valley (Tanglefoot)

Sticky Trap/Tape:

For stored product insects:

Santa Cruz Hort (Wing & Delta Traps) • Peaceful Valley • Agro Biotech • Phero Tech

For agricultural & horticultural insects:

Scentry, Great Lakes, ARBICO, Planet Natural, Gemplers (Scentry Gypsy Moth Trap) • Peaceful Valley • Phero Tech • Tomagro

Traps:

Woodstream, Harmony, Peaceful Valley, The Natural Gardening (Gypsy Moth Trap) • Ladd, Planet Natural (Red Sphere Fruit Fly) • Woodstream, Harmony, Great Lakes, Intagra, The Natural Gardening (SureFire Codling Moth) • Tomagro

Tree Wrap:

Olson (Stiky Tree Guards) • Planet Natural, Peaceful Valley (Bug Belt) • Phero Tech

Horticultural Controls

Insect-Resistant Turfgrass:

Endophytic Ryegrass (repels billbugs & caterpillars):

Lofts Seed (Repell, Palmer II, Prelude II, Yorktown III) • Turf Seed (Citation II, Birdie II, Omega II, CBS II, Manhattan II, Charger, Quickstart, 246 Sunrye) • Gardens Alive (Turf-Alive)

Endophytic Tall Fescue (repels caterpillars):

Turf Seed (Apache II, Tomahawk, Coronado Gold, Tarheel)

Biological Controls

Attractant for soldier bugs that attack pest caterpillars:

Sterling Intl., Planet Natural, Natural Insect Control (Rescue!)

Seed Mix to Attract Beneficials:

Harmony • Peaceful Valley • Lohse Mill • Planet Natural • Gardens Alive • Rincon-Vitova • Cornflower (also plants)

Seeds for plants to repel pest Lepidoptera:

Shepherd's (sweet basil) • Nichols Garden, J.L. Hudson (epazote) • Park Seed (holy basil)

Seeds for California Native Plants:

Pacific Coast Seed

Bat Houses to Attract Moth-Eating Bats:

The Green Spot • Natural Insect Control

Earwig Shelters (habitat for caterpillar biocontrol in orchards):

Biotechnik

Insect-Attacking Nematodes:

Heterorhabditis bacteriophora: BioLogic • IPM Labs • Natural Insect Control

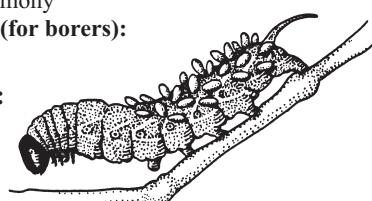
Steinernema carpocapsae: BioLogic, Certis, IPM Labs, Natural Insect Control, Peaceful Valley

Steinernema feltiae: BioLogic, Certis, IPM Labs, Natural Insect Control

Steinernema riobravis: Certis, Harmony

Syringes for nematode injection (for borers):

Gardens Alive



Microbial Feeding Stimulant:

Peaceful Valley

Microbial Insecticides:

Bacillus thuringiensis (BT):

Valent USA, Peaceful Valley, Johnny's, English Woodlands (Dipel, Dipel 4L, 2X, 10G, ES, Xentari WDG) (Topside Dipel) • Koppert, PBI/Gordon (Bactospeine) • Nitron (Caterpillar Killer) • ARBICO • Planet Natural • Agricola El Sol (BST-88, BST-88A) • Ecogen (Foil)

Bacillus thuringiensis aizawai (BTA):

Valent USA (Xentari, Florbac) • Certis (Agree, Design)

Bacillus thuringiensis kurstaki (BTK):

Ecogen (Condor, flowable) • Monterey (Lepid BT) • Valent USA (Biobit, Foray) • Peaceful Valley, Harmony (Caterpillar Attack, Vegetable Insect Attack) • Certis, Peaceful Valley, Harmony (Javelin WG, CoStar) • Planet Natural • Monterey, Harmony (Caterpillar Clubber) • Plant Health Care, Ecogen (Crymax)

BT protein encapsulated in *Pseudomonas*:

Ecogen, Gardens Alive (M-Peril, M-Trak, Mattch, MVP-II)

***Beauveria bassiana* for soil and turf (sod webworm):**

Troy, Hydro-Gardens, Gardener's Supply (Naturalis-T) • Emerald (Botanicard)

Insecticidal spreader-sticker oil for BT:

Monterey (Nature's Own)

***A. orana* granulosis virus (for leafroller):**

Andermatt (Capex)

Codling moth granulosis virus:

Andermatt (Madex) • Certis (Cyd-X, call for availability)

NPV (from alfalfa looper or celery looper):

Certis (call for availability)

NPV from *H. zea* (for caterpillars):

Certis (Gem-Star)

NPV (nucleopolyhedrosis virus) (for gypsy moth):

Agricola El Sol (VPN-80, VPN-82) • U.S. Forest Service, USDA

NPV (nucleopolyhedrosis virus) (for beet armyworm):

Certis (Spod-X)

Parasitoids:

Anisopteromalus calandrae (stored product): Biofac

Blepharipa schineri (parasitic fly for gypsy moth): USDA Rearing Lab

Bracon hebetor (for stored product moth): Biofac • Arbico

Casinaria arjuna (for gypsy moth): Praxis

Coccycogomimus disparis (for gypsy moth): Praxis

Cotesia marginiventris (for gypsy moth, stored product moth):

ARBICO • Biofac • Rincon Vitova • The Green Spot • Natural Insect Control

Cotesia melanoscela (Korean strain) (for gypsy moth, sales to government agencies only): Biobase • Praxis

Cotesia plutellae (for diamondback moth): ARBICO • Biofac • Natural Insect Control

Diadegma insularis (for diamondback moth): ARBICO • Praxis

Glyptapanteles indiensis (for gypsy moth): Praxis

Goniozus legneri (for navel orangeworm, omnivorous leafroller):

ARBICO • Beneficial • Bio Ag • Bowen • California BioWorks • Kuida • Praxis • Rincon-Vitova • M&R Durango

Lydella thompsoni (for European corn borer): Praxis

Macrocentrus ancylivorus (for Oriental fruit moth): ARBICO • Praxis

Meteorus pulchricornis (for gypsy moth, government agencies only):

Biobase • Praxis

Microchelonus blackburni (for pink bollworm): Praxis

Microplitis plutellae (for diamondback moth): Praxis

Ooencyrtus kuvanae (for gypsy moth): Praxis

Orgilus lepidus (for potato tuber moth): Bugs for Bugs

Pentalitomastix plethoricus (for navel orangeworm): ARBICO • Bowen • California BioWorks • Praxis

Trichogramma brassicae: Beneficial • IPM Labs • Koppert • Nature's Control • Rincon Vitova • The Green Spot

Trichogramma carverae: Bugs for Bugs

Trichogramma dendrolimi (for moth eggs): Bowen

Trichogramma evanescens (for moth): Koppert

Trichogramma minutum (for Eastern U.S. orchards): ARBICO •

Beneficial • Biofac • Bowen • Planet Natural • International Technology • IPM Labs • M & R Durango • Nature's Control • Peaceful Valley • Rincon Vitova • The Green Spot

***Trichogramma ostriniae*: Beneficial Insectary**

Trichogramma platneri (for Western U.S. orchards): ARBICO • Beneficial • Bio Ag • Bowen • Planet Natural • Kuida • Rincon-Vitova • Peaceful Valley • International Technology

Trichogramma pretiosum (for moth eggs in vegetable & field crops): ARBICO • Beneficial • Bio Ag • Biofac • Bowen • Planet Natural • FAR • Gardens Alive! • Kuida • IPM Labs • M & R Durango • Nature's Control • Rincon-Vitova • Peaceful Valley • The Green Spot • Bugs for Bugs

Trichogramma spp. (for moth eggs in vegetable & field crops): Beneficial Insectary • Conrad Appel • KWS • Kunafin • Natural Insect Control • Natural Pest Controls • Organic Control • Peaceful Valley • Praxis • Smith & Hawken • The Natural Gardening • Arnold Brothers • Buena • Natural Enemy

Trichogrammatoidae bactrae (for moth egg in fields & orchards, pink bollworm): Rincon-Vitova • The Green Spot

Predators:

big-eyed bug, *Geocoris punctipes*: Biofac • Rincon-Vitova • California Bioworks • Natural Insect Control

predatory bug: *Deraeocoris brevis*: Applied Bionomics • Natural Insect Control

spined soldier bug, *Podisus maculiventris*: ARBICO • Natural Insect Control • Bug Factory • Rincon Vitova

warehouse pirate bug, *Xylocoris flavipes*: (for stored product moths): ARBICO • Planet Natural • Biofac • Praxis

Least-Toxic Chemical Controls

Botanical Repellents:

Shepherd's (sweet basil seeds) • Park Seed (holy basil) • Nichol's Garden, J.L. Hudson (epazote) • Soil Technologies (Garlic Gard) • Gardens Alive (Herbal Moth Repellent) • Garlic Research, Harmony, San Jacinto (Garlic Barrier)

Diatomaceous Earth: See ANTS

Insecticidal Soap: See APHIDS

Insect Growth Regulators (IGRs):

Syngenta (fenoxycarb, Comply, Precision) • Rohm and Haas (tebufenozide, Confirm)

Microbial Isolate (Spinosad):

Dow (Conserve)

Neem Products:

Certis, Planet Natural, The Green Spot (Azatin) • Woodstream, Harmony, Peaceful Valley (Safer's BioNeem) • Certis, Harmony, Peaceful Valley (Neemix, Trilogy) • Green Light, Gardener's Supply (Green Light)

Pheromone Mating Disruptants:

Checkmate for codling moth, tomato pinworm, oriental fruit moth, pink bollworm, peach tree borer; Isomate for codling moth, oriental fruit moth, greater and lesser peach tree borer, oblique-banded leafroller, pandemis leafroller, beet armyworm, pink bollworm; NoMate for toma-

to pinworm, pink bollworm, tufted apple bud moth; Disrupt for peach twig borer, oriental fruit moth, codling moth, and gypsy moth:
Suterra, Harmony, Great Lakes, Harmony, ARBICO, Peaceful Valley (Checkmate) • Pacific Biocontrol, Great Lakes, Harmony, Peaceful Valley (Isomate) • Scentry, Great Lakes, ARBICO, Planet Natural (NoMate) • Scentry, Great Lakes, ARBICO, Planet Natural, Gemplers (Attract & Kill, NoMate PBW-MEC for pink bollworm) • Hercon (Disrupt)

Pheromone Lures for many Lepidoptera:

Trécé (Pherocon) • Tomagro (TomaAttract) • Great Lakes IPM • Suterra (BioLure) • Phero Tech

Pyrethrin:

Roxide • Whitmire (PT 175 microencapsulated, PT-565, PT-505 XLO) • Waterbury (Purge III) • Johnny's, Peaceful Valley (Pyrenone) • Hess & Clark (microencapsulated, Capsul-Ban) • AgrEvo (Kicker) • Monterey, Harmony (Bug-Buster-O, w/o PBO) • Peaceful Valley (Py-Rin, w/o PBO)

Pyrethrum powder:

Nichol's Garden • Harmony

Rotenone:

Bonide • Peaceful Valley

Sabadilla:

Dunhill, Harmony, Peaceful Valley (Veratran)

Silica Aerogel: See ANTS

COCKROACHES

Identification & Monitoring

Flashlight with Red Filters:

Streamlight

Pheromone Trap:

Woodstream (Victor)

Physical Controls

Caulk:

Hardware Store

Teflon barrier protects pet food bowls:

See hardware store for Teflon tape

Pet Bowls with Barrier:

Alternative Control (Fool-A-Bug)

Traps:

Woodstream (Victor, sticky) • Gardens Alive (Roach Free) • Certis, Harmony (Lo-Line)

Pheromone Trap:

Woodstream

Glue board trap:

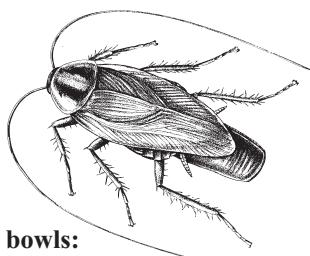
Bell (Trapper) • Woodstream

Trap & attractant:

Woodstream, Harmony, ARBICO, Peaceful Valley, Great Lakes (The Dungeon) • Seabright (Safe Stop) • Woodstream (Victor, pheromone) • Springstar

Vacuums:

Proteam (Hummer, Optimus)



Biological Controls

Parasitoids:

Anastatus tenuipes: Rincon-Vitova • PNE

Aprostocetus hagenowii: Bio Pre • PNE • Rincon-Vitova

Comperia merceti: Rincon-Vitova • PNE

Tetrastichus incertus: Praxis

Least-Toxic Chemical Controls

Baits:

Abamectin dust or spray:

Whitmire (Avert PT-300, PT-310) • Gardens Alive!

Abamectin gel bait:

Whitmire (Avert 320)

Borate-based bait:

NISUS (NIBAN Granular Bait, Niban FG) • Blue Diamond Manufacturing (for bait gun) • Seabright (Roach Free) • Waterbury (50% boric acid, CB Attrax) • Blue Diamond (ProJoe)

Hydramethylnon bait stations (child-resistant):

Clorox Company (Maxforce, Combat)

Fipronil bait stations (child resistant):

Clorox Company (Maxforce)

Hydramethylnon gel bait:

TopPro, Target, Van Waters (Siege)

Sulfluramid bait station:

S.C. Johnson (Raid Max)

Xanthine bait station (prevents reproduction):

Cleary (Ecologix Roach Terminal)

Bait gun:

Specialty Products • Target • Jim Simmons • Blue Diamond • Whitmire

Botanical Sprays:

Orange Guard, Vopak, Target (orange oil) • Woodstream (Mint Oil) • EcoSmart (herbal oil)

Dust applicators:

Parker Pest (Pest Machine) • Peaceful Valley (Pest Pistol)

Borate-Based Insecticides:

Organic Control (Ant-T-Roach) • Enforcer (Roach Ridd) • Waterbury (Mop-Up, Roach-Kil, Borid) • Whitmire (PT 240 or 249 Perma-Dust) • Copper Brite, Harmony (Roach Prufe) • Peaceful Valley • Woodstream (Victor) • J.T. Eaton • NISUS (Nibor)

Diatomaceous Earth:

Natural Insecto, Natural Insect Control (Insecto w 10% food bait) • Woodstream (SureFire) • Hedley Technologies (Insecolo w 3% food bait) • Hedley Technologies (Protect-It w 10% silica gel) • Celite • Dryacide • Eagle Picher • Peaceful Valley • Pristine (Permaguard D-10) • JT Eaton (Answer) • Necessary, Intagra (Concern)

With pyrethrin:

Permaguard, Pristine, Nitron (Permaguard) • The Natural Gardening (Insectigone) • Gardens Alive • Organic Solutions

Hydroprene IGR:

Wellmark (Gentrol)

Hydroprene IGR Controlled Release Station:

Wellmark (Point Source)

Pyrethrin:

Roxide • Whitmire (PT-175 microencapsulated, PT 505, PT 565) • Hess & Clark (microencapsulated, Capsul-Ban, Formula 66, LD-44Z) • AgrEvo, Insects Limited (Kicker)

Silica Aerogel:

100% Pure:

Cabot (Cab-O-Sil) (Must order 10 pound minimum) • Degussa (Wessalon S., Aerosil 380) (Must order 25 pound minimum)

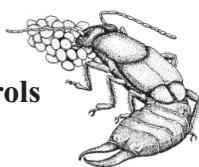
With pyrethrin:

AgrEvo, Target (Drione) • Whitmire, Purity Products (PT 239 Tri-Die)
• Van Waters & Rogers

CRICKETS

(See Grasshoppers)

EARWIGS

Physical Controls**Least-Toxic Chemical Controls****Diatomaceous Earth:** See ANTS**Insecticidal Soap:** See APHIDS

FLEAS

Physical Controls**Combs:**

Gardens Alive! • Hansen's Pet (Ancol)

Vacuums:

Proteam (Hummer, Optimus)

Sticky light traps:Enforcer Products (Over Nite Flea Trap) • Happy Jack • Zema •
Gardens Alive • Whitmire (Ultralight) • Springstar (Flea Trap) •
Woodstream (Victor)**Sticky Traps and Tape:**

Bell (Trapper) • Olson • Gemplers

Biological Controls**Insect-Attacking Nematodes:**Certis (BioFlea) • Peaceful Valley • Organic Control • Gardens Alive •
Hydrogardens • Planet Natural • Biologic**Least-Toxic Chemical Controls****Sodium octaborate:**The Ecology Works (Flea Nix powder) • Flea Busters (Rx for Fleas)
(Call company for treatment)**Insecticidal Oil:****Citrus or herbal oil extract:**Security, Gardens Alive! (Flea Stop Shampoo) • Orange Guard, Vopak,
Target (Orange Guard) • Woodstream (Poison Free) • EcoSmart
(BioOrganic, EcoPCO)**Diatomaceous Earth:**Natural Animal (EcoZone) • Natural Insecto, Natural Insect Control
(Insecto) • Necessary • Intagra • Peaceful Valley • Hedley Technologies
(Protect-It) • Celite • JT Eaton (Answer)**With pyrethrin:**

Permaguard, Pristine, Nitron (Permaguard) • Organic Solutions

Insect Growth Regulators:**Lufenuron (oral formulation for pet):**
Syngenta (Program) • Drs. Foster and Smith**Methoprene:**

Wellmark (Precor) • AgrEvo (Alter) • Enforcer (FGR)

Methoprene (with permethrin) for fleas:Wellmark, Gardens Alive!, Necessary, Peaceful Valley (Precor 2000) •
Enforcer (Flea Fogger, Flea Spray)**Insecticidal Soap:****With pyrethrin:**Woodstream, Planet Natural, Gardens Alive!, Harmony (Flea & Tick
Attack) • Woodstream, Gardens Alive!, Harmony, Nitron (Safer Yard
and Garden) • Peaceful Valley**Fipronil flea adulticide:**

Merial, Aventis (Frontline) • Drs. Foster and Smith

Nicotine analog flea adulticide:

Bayer Animal (Imidacloprid, Advantage) • Veterinarians

Pyrethrin:Del (Lice, Tick & Flea Spray) • Roxide • Whitmire (PT 175 microen-
capsulated, PT-565, PT-505 XLO) • Enforcer (Flea & Tick Spray,
Powder, Shampoo) • Hess & Clark (microencapsulated, Capsul-Ban,
Formula 66, LD-44Z) • AgrEvo (Kicker, Drione)**Pyrethroid (microencapsulated):**

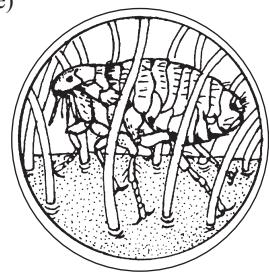
3M Corp (Sectrol) (Sold only to veterinarians)

Pyrethrum powder:

Natural Animal (EcoZone), Peaceful Valley

Repellent (Herbal Flea Collar):

Harmony • Planet Natural

Silica Aerogel: See ANTS

FLIES

(Nuisance)**Identification & Monitoring****Pheromones & Traps for Agricultural Pests:**Security (Trap 'n Toss) • Phero Tech, Great Lakes (Unitrap) • Trécé,
Gardens Alive!, Great Lakes, Harmony, Olson, Peaceful Valley,
Gemplers (Pherocon) • Hercon**Test Kit for Insecticide Resistance:**

Silver Lake

Physical Controls**Bag to Seal Caskets against Phorids:**

Ensure-A-Seal (Tyvek)

Fly bonnet for horses:

WF Young (Fly Bonnet) • Wiese (Ultra Shield)

Screening:Hydro-Gardens (Fly Barr) • Tipper, Harmony, Peaceful Valley (Tie-
Net)**Sticky Adhesive:**Tanglefoot, ARBICO, Planet Natural, Great Lakes, Gemplers,
Harmony, Natural Insect Control, Charley's (Tangle-Trap) • Phero Tech
• Seabright**Cone-Type Solar Traps:**ARBICO • Great Lakes (Musca Terminator) • Olson (Stiky) • Roxide
(Aeroxon) • Great Lakes • The Green Spot • Peaceful Valley • Fly
Master • Natural Insect Control**Jar-Type and Disposable:**

Woodstream, Great Lakes, Peaceful Valley, Natural Insect Control (Victor Fly-In-Saucer, Fly Magnet) • Fly Master • Security, Gardens Alive (Trap-N-Toss) • Sterling Intl. (Rescue!) • Wiese • Harmony

Electrocution Black Light Fly Traps:

Gilbert Industries (Electrocuted Light Traps) • B & W (Mantis) • Actron

Adhesive Black Light Traps:

Olson, Great Lakes, GEMPLER'S (blacklight, sticky) • Whitmire (Vector) • Waterbury (pheromone and light) • Whitmire (Actron, programmable) • Actron

Solar-powered electrocution traps:

Olson, Great Lakes, GEMPLER'S (Tower of Doom, Dungeon of Doom, solar electrocution) • Baley's

Sticky trap/tape:

Springstar (fly strip) • Loveland (Sticky Roll) • Olson, Great Lakes, GEMPLERS (Sticky Pyramid for face flies, Sticky Cylinder for stable flies, Window Trap) • Western Farm • Phero Tech (Chroma) • Roxide (Aeroxon, window trap) • Security (Fly Inn, Fly Stop, Big Stik)

Biological Controls

Insect-Attacking Nematodes:

Heterorhabditis megidis: Andermatt • Biological Crop • BioBest • Koppert • International Technology • W. Neudorff
Heterorhabditis sp.: Syngenta Bioline • Biowise • Hydro-Gardens • Koppert • M & R Durango • Natural Insect Control • Nature's Control • Nematec • Praxis • Peaceful Valley • Gardens Alive

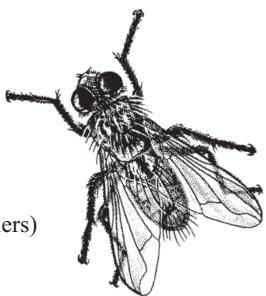
Steinernema carpocapsae: Biofac • BioLogic • Certis • Hydro-Gardens • IPM Labs • M & R Durango • Natural Insect Control • Peaceful Valley • Harmony

Steinernema feltiae: BioLogic • BioBest • Biological Crop • Certis • IPM Labs • Natural Insect Control • Koppert • W. Neudorff • International Technology • Harmony • Planet Natural

Steinernema sp.: Beneficial • Certis • English Woodlands • Natural Insect Control • Nature's Control • Praxis

Sterile flies for release (onion maggot):

De Groene



Microbial Insecticides:

Ivermectin for bot flies, etc.:

Merial, Aventis (Ivomec Pour-On)
(Sold only to veterinarians & licensed suppliers)

Ivermectin and clorsulon:

Merial, Aventis (Ivomec-F Injection)
(Sold only to veterinarians & licensed suppliers)

Parasitoids:

Muscidifurax raptor: Biofac • IPM Labs • Kunafin

Muscidifurax raptorellus: IPM Labs • The Green Spot • Rincon-Vitova
Muscidifurax sp.: Beneficial Insectary • Bowen • Peaceful Valley • Spalding

Muscidifurax zaraptor: ARBICO • Planet Natural • Kunafin • M & R Durango • Natural Pest Controls • Nature's Control • Rincon-Vitova • The Green Spot • Buena

Nasonia vitripennis or *Mormoniella vitripennis*: ARBICO • Natural Pest Controls • Praxis

Pachycropoideus vindemiae: Kunafin • Praxis

Spalangia cameroni: Kunafin

Spalangia gemini: Kunafin

Spalangia corona: Biofac

Spalangia endius: ARBICO • Kunafin • Natural Pest Controls • Rincon-Vitova • The Green Spot • Better Pest Management • Buena

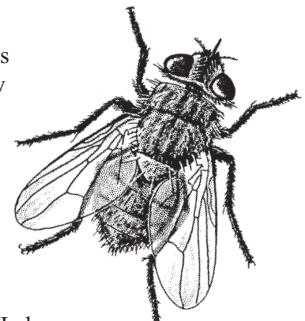
Spalangia nigroaenea: Kunafin

Spalangia sp.: Beneficial Insectary • M & R Durango • Peaceful Valley • Praxis • Spalding • Kunafin

Sphegigaster sp.: Peaceful Valley • Praxis

Trichomalopsis spp.: Beneficial Insectary

Urolepis rufipes: Kunafin



Parasitic mites:

Glyptolaspis confusa: Praxis

Hypoaspis miles: Biological Crop

• Koppert • Garta • Florikan • Evergreen

Predators:

Histerid beetle, *Carcinops pumilio*: IPM Labs

Predatory mite, *Macrocheles* spp.: Praxis

Dung beetle, *Onthophagus gazella*: Praxis

Predatory fly, *Ophyra aenescens*: Praxis

Least-Toxic Chemical Controls

Botanical Fly Repellents:

Planet Natural, Natural Insect Control, Gardener's Supply (Skeeter Shoo, citronella) • Woodstream, Garden City (Bite Blocker, geranium oil) • Wiese (Horse Shoo, citronella fly repellent) • ARBICO (Aloe Herbal Spray) • EcoSmart (BioOrganic)

Diatomaceous Earth: See ANTS

Pyrethrins:

Roxide, Harmony (Revenge) • Whitmire (PT 175 microencapsulated, PT-565, PT-505 XLO) • Waterbury (Purge III) • Hess & Clark (microencapsulated, Capsul-Ban, Formula 66, LD-44Z) • AgrEvo (Kicker) • Peaceful Valley (Py-Rin, w/o PBO) • Monterey, Harmony (Bug Buster O, w/o PBO)

Silica aerogel: See ANTS

FRUIT FLIES

Identification & Monitoring

Pheromones & Traps:

ARBICO, Harmony (Catch-em) • Great Lakes, GEMPLERS (Multi-Pher, Unitrap, Delta) • Trécé, Gardens Alive!, Great Lakes, Olson, GEMPLERS (Pherocon) • Suterra (Biolute) • Scenturion

Physical Controls

Traps:

Woodstream, Great Lakes, Peaceful Valley, Natural Insect Control (Victor Fly-In Saucer, Fly Magnet) • Biobest • Planet Natural • Phero Tech

Apple maggot red sphere trap:

Ladd, GEMPLERS, Harmony, Necessary, Natural Insect Control (Ladd) • Harmony (SureFire) • Peaceful Valley • Phero Tech • Springstar

Light traps:

Gilbert Industries (Professional Light Traps) • GEMPLERS

Sticky trap/tape:

Phero Tech (Chroma) • Scentry, Great Lakes, ARBICO, Planet Natural,

FUNGUS GNATS

Physical Controls

Screening:

Hydro-Gardens (Fly Barr) • ATI (Greenhouse screen) • Tipper (Tie-Net) • Green-Tek

Sticky Adhesive:

Seabright, Great Lakes, Harmony, Phero Tech (Stickem Special) • Tanglefoot, ARBICO, Planet Natural, Great Lakes, Gemplers, Harmony, Natural Insect Control, Charley's (Tangle-Trap) • Peaceful Valley

Traps:

ARBICO • Natural Insect Control • Woodstream (Safer Flying Insect) • Phero Tech (Chroma) • Olson, Great Lakes, Gemplers (Stiky Stuff, Stiky Traps) • Peaceful Valley • Springstar • IPM Labs

Biological Controls

Insect-Attacking Nematodes:

Heterorhabditis megidis: Koppert • W. Neudorff

Heterorhabditis sp.: Hydro-Gardens • Koppert • M & R Durango • Nature's Control • Natural Insect Control • Nematec • W. Neudorff • Peaceful Valley • Gardens Alive • Florikan

Steinernema bibionis: W. Neudorff

Steinernema carpocapsae: Biofac • BioLogic • Biobest • Certis • Planet Natural • Gardens Alive! • Hydro-Gardens • IPM Labs • M & R Durango • Natural Insect Control • Peaceful Valley

Steinernema feltiae: BioLogic • BioBest • Certis • IPM Labs • Koppert • Natural Insect Control • W. Neudorff • International Technology • Plant Sciences • Andermatt • Garta • M&R Durango

Steinernema riobravis: Certis • Harmony

Steinernema spp.: Beneficial • Certis • Biowise • Harmony • Hydro-Gardens • Johnny's • Koppert • Natural Insect Control • Nature's Control • BioLogic

Microbial Insecticides:

Bacillus thuringiensis (BT):

Valent USA, Gardens Alive!, Harmony, IPM Labs, Peaceful Valley (Gnatrol) • Gardens Alive (Knock-Out)

Spreader-Sticker Oil for BT Products: Monterey (Nature's Own)

Predators:

Predatory mite, *Geolaelaps* spp.: Praxis • Rincon-Vitova
Predatory mite, *Hypoaspis miles*: ARBICO • Applied Bionomics • BioBest • BioBest Canada • Biological Crop • Biowise • IPM Labs • Koppert • Natural Insect Control • Bug Factory • International Technology • Plant Sciences • The Green Spot • Nature's Control • Evergreen

Least-Toxic Chemical Controls

Diatomaceous Earth: See ANTS

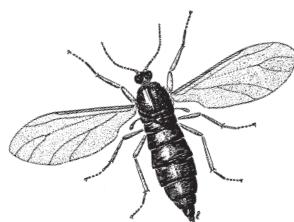
Insect Growth Regulators:

Methoprene:

Wellmark (Enstar)

Cyromazine:

Syngenta (Armor)



Insecticidal Oil: See APHIDS

Neem Products:

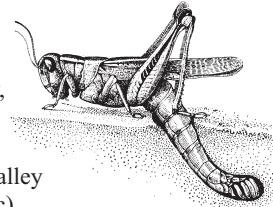
Certis, Planet Natural, Harmony (Azatin) • Woodstream, Harmony (Safer's BioNeem) • Certis, Harmony, Peaceful Valley (Neemix, Trilogy)

Pyrethrin:

Hess & Clark (microencapsulated, Capsul-Ban) • Whitmire (PT 175 microencapsulated, PT-565, PT-505 XLO) • Peaceful Valley (Py-Rin, w/o PBO) • Monterey, Harmony (Bug Buster O, w/o PBO)

GRASSHOPPERS

Physical Controls



Row Covers:

American Agrifabrics (AgGro)
• Great Lakes (BBA) • Gardener's Supply, Gardens Alive! (Floating Row Covers)
• Gardens Alive! (Super-Light)
• Harmony (AgGro, Tufbell) • Peaceful Valley (Tufbell, AgGro) • Shepherd's (Agrofabric)
• Mipco • BBA

Biological Controls

Insect-Attacking Nematodes (for mole crickets):

Steinernema carpocapsae: Certis • BioLogic • IPM Labs

• Natural Insect Control • Harmony • Andermatt

Steinernema feltiae: Certis • BioLogic • IPM Labs • Natural Insect Control • Harmony

Microbial Insecticides:

Protozoan pathogen:

Nosema locustae (for grasshoppers): Harmony • Hydro-Gardens • M & R Durango (Nolo Bait) • Nitron, Planet Natural, Gardens Alive! (Semispore Bait)

Fungal pathogen:

Beauveria bassiana (for grasshopper, crickets): Troy, Hydrogardens, The Green Spot, Gardener's Supply (Naturalis-T)

Least-Toxic Chemical Controls

Borate-Based Insecticides:

NISUS, Target (NIBAN Granular Bait for crickets) • Whitmire (PT 240 or PT 249 Perma-Dust)

Diatomaceous Earth: See ANTS

Insecticidal Soap:

Necessary, Intagra (Concern) • Peaceful Valley • Woodstream (Safer)

With pyrethrin:

Necessary, Intagra (Concern Multi-Purpose) • Peaceful Valley • Woodstream, Gardens Alive!, Harmony, Nitron (Safer Yard and Garden Insect Attack)

Neem Products (Act as Repellents): See APHIDS

Repellent Garlic Spray:

Garlic Research Labs, Chemical-Free (Garlic Barrier) • Soil Technologies (Garlic Gard) • Harmony • Peaceful

Rotenone:

Bonide • Peaceful Valley

Sabadilla:

Planet Natural • Dunhill, Harmony (Veratran) • Peaceful Valley

GRUBS

(See Beetles)

LEAFHOPPERS

Identification & Monitoring

Sticky trap/tape:

Scentry, Great Lakes, ARBICO, Planet Natural (Versagard) • Phero Tech

Physical Controls

Barriers & Exclusion Devices:

Planet Natural • Gardens Alive!

Plastic film to attract leafhoppers:

Western Farm (HopperFinder)

Sticky Adhesive:

Seabright, Great Lakes, Harmony, Phero Tech
(Stikem Special) • Peaceful Valley

Traps and Sticky Tape:

ARBICO • Planet Natural • Gardens Alive • Harmony • IPM Labs
• Woodstream (Safer) • Peaceful Valley • Phero Tech (Chroma)

Biological Controls

Parasitoids:

Anagrus atomus: Biowise • BioBest

Anagrus epos (for grape leafhopper): ARBICO • Praxis

Anagrus spp.: Biological Crop

Least-Toxic Chemical Controls

See APHIDS

LEAFMINERS

Physical Controls

Sticky Adhesive:

Seabright, Great Lakes, Harmony, Phero Tech (Stikem Special) •
Tanglefoot, ARBICO, Planet Natural, Great Lakes, Harmony, Natural
Insect Control, Charley's (Tangle-Trap) • Peaceful Valley

Sticky Trap/Tape:

Olson • Gemplers • Phero Tech • Trécé, Great Lakes (Pherocon) •
Harmony • Peaceful Valley • Planet Natural • Gardens Alive

Biological Controls

Parasitoids:

Dacnusa sibirica: ARBICO • Biobest • Biobest Canada • Biofac •
Biological Crop • Duclos • Biowise • Gartnerei • Koppert • Natural
Pest Control • Natural Pest Controls • Praxis • Sautter & Stepper

• W. Neudorff • The Green Spot • Natural Insect Control

• International Technology • Rincon-Vitova • Garta

Diglyphus isaea: • ARBICO • Azienda • BioBee • Biobest • Biofac
• Bioplanet • Biological Control • Syngenta Bioline • Duclos • Biowise
• Gartnerei • Koppert • Natural Pest Control • Natural Pest Controls •
Plant Sciences • Sautter & Stepper • W. Neudorff

• Natural Insect Control • The Green Spot • International Technology

Rincon-Vitova

Opisus pallipes: Bio Pre

Microbial Insecticides:

BT (for citrus leafminer):

Valent USA, Peaceful Valley, Planet Natural, English Woodlands
(Dipel) • Plant Health Care, Ecogen (Crymax)

Entomopathogenic Fungus:

Metarhizium anisopliae (for meadow spittlebug, coffee leafminer):
Agricola El Sol • Bio Pre

Least-Toxic Chemical Controls

Abamectin:

Merial, Planet Natural, Peaceful Valley (Avid)

Cyromazine:

Syngenta (Trigard)

Insecticidal Oil:

Florikan (Target Oil) • JMS (JMS Stylet Oil) • (See Aphids for a More
Complete Listing)

Neem Products:

Certis, Planet Natural, Harmony, Peaceful Valley, The Green Spot
(Azatin for ornamentals, Neemix for food crops) • Woodstream,
Harmony, Peaceful Valley (Safer's BioNeem) • Gardens Alive (Neem-
Away) • Green Light

Repellent Hot Pepper Wax:

Charley's • Harmony (Wilder's) • The Green Spot

LICE

Identification & Monitoring



Head lice detection kit:

Del (Pronto Lice Detection Kit, for home use)

Head lice prevention, management and educational products:

National Pediculosis Association

Physical Controls

Head lice comb:

Health Enterprises (MC-12) • National Pediculosis Association
(LiceMeister)

Least-Toxic Chemical Controls

Enzyme Shampoos:

Safe Effective (Lice-B-Gone)

Permethrin Cream Rinse:

Warner Lambert (Nix)

Pyrethrins:

Del (Bare Liquid, Lice, Tick & Flea Spray)

Pyrethrins shampoo, for head lice:

Carter-Wallace (Triple X) • Del (Pronto) • Hogil Pharmaceuticals (A-
200) • Pfizer (RID) • Care Technologies (Clear, with enzymes)

Pyrethrins, with pubic lice comb:

Hogil (Innogel Plus for pubic lice)

MAGGOTS

(See Flies)

MEALYBUGS

Physical Controls

Screening:

Hydro-Gardens • Tipper, Harmony (Tie-Net) • Peaceful Valley

Biological Controls

Parasitoids:

Anagyrus fusciventris: Bio Pre

Anagyrus pseudococcii: Amos Rubin • Bio Bee • Biological Control • Plant Sciences • Praxis

Leptomastidea abnormis: Amos Rubin • Bio Pre • Praxis • W. Neudorff • Natural Insect Control

Leptomastix dactylopii: Amos Rubin • Azienda • Biobest • Bioplanet • Koppert • Natural Insect Control • Plant Sciences • Praxis • W. Neudorff • The Green Spot • Rincon-Vitova • Flora • Katz

Leptomastix epona: Bio Pre • Sespe Creek

Pauridia peregrina: Praxis

Pseudaphycus flavidulus: Bio Pre

Pseudaphycus maculipennis: Bio Pre

Predators:

Lacewing, *Symphebius sanctus*: Amos Rubin • Bio Bee • Bio Pre

Lady beetles:

Mealybug destroyer, *Cryptolaemus montrouzieri*: Amos Rubin • ARBICO • Azienda • Bio Bee • Biobest • Biofac • Bioplanet • Buena • Biological Control • Biological Crop • Bio Pre • Planet Natural • Bugs for Bugs • Biowise • HydroGardens • IPM Labs • Koppert • M & R Durango • Natural Insect Control • Natural Pest Control • Natural Pest Controls • Bug Factory • Nature's Control • Organic Control • Plant Sciences • Praxis • Rincon-Vitova • W. Neudorff • Peaceful Valley • The Green Spot • Western Farm • EcoSolutions

Hyperaspis polita: Amos Rubin

Nephus reunionii: Amos Rubin • Bio Pre

Scymnus bipunctatus: Amos Rubin

Least-Toxic Chemical Controls

Diatomaceous earth: See ANTS

Insecticidal Oil:

Highly refined oil (from fish):

Peaceful Valley

Highly refined oil (from petroleum):

Monterey, Harmony (Saf-T-Side) • Valent USA, Harmony, Peaceful Valley (Volck) • Sun Oil, Gardens Alive!, Harmony, Peaceful Valley, Charley's, The Green Spot (Sunspray) • The Green Spot

• Gardens Alive (Eco-Oil)

Highly refined seed oil:

Stoller, Peaceful Valley

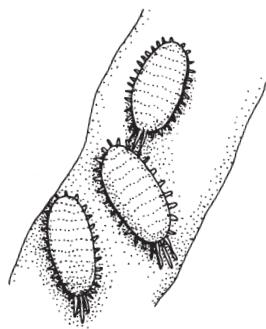
(Natur'l Oil, 93% soybean)

• ARBICO (Spreadall 93% cottonseed)

Insecticidal Soap: See APHIDS

Neem Products:

See LEAFMINERS



MITES

Identification & Monitoring

Traps:

Phero Tech (Varroa Mite Trap)

Physical Controls

Furniture covers for dust mites:

Allergy Control Products

High Pressure Water Sprayer:

W.H. Vinton (Water Wand)

Mattress Covers (to exclude dust mite):

Puritans Pride

Vacuums:

Proteam (Hummer, Optimus)

Biological Controls

Microbial Insecticides:

Beauveria bassiana: Troy, HydroGardens, Gardener's Supply (Naturalis-O and L) • Emerald (Botanicard)

Predators:

Lady beetle, *Stethorus punctillum* (for European red spider mite): Applied Bionomics • Biobest Canada • Evergreen • Rincon Vitova • Nature's Control • Natural Insect Control

Predatory bugs:

Big-eyed bug, *Geocoris* sp.: Biotactics • Rincon-Vitova • Natural Insect Control

Orius insidiosus: Syngenta Bioline • Gartenbau • Gartnerei • International Technology • IPM Labs • Koppert • Nature's Control • The Bug Store

Orius laevigatus: Koppert • Biological Crop

Orius majusculus: Biological Crop • Sautter & Stepper • W. Neudorff

Orius spp.: Biobest • Bioplanet • Bio Pre • Duclos • Natural Insect Control • Peaceful Valley • Rincon-Vitova

Orius tristicolor: ARBICO • Planet Natural • Praxis

Predatory gall midge (the mite midge):

Feltiella acarisuga: Bio Pre • Biobest • Biobest Canada • Biological Crop • Biowise • Koppert • Natural Insect Control • Rincon-Vitova • Bug Factory

Predatory mites:

Amblyseius californicus (for two-spotted spider mite): ARBICO • Bio Ag • Bio Pre • BioBest • Biotactics • Bowen • Planet Natural • HydroGardens • International Technology • IPM Labs • Koppert • Kuida • M & R Durango • Natural Insect Control • Natural Pest Controls • Nature's Control • Peaceful Valley • Plant Sciences • Rincon-Vitova • Western Farm • The Green Spot • Syngenta Bioline • Beneficial

Amblyseius cucumeris (for two-spotted spider mite): Applied Bionomics • ARBICO • Evergreen • Syngenta Bioline • Gartnerei • HydroGardens • International Technology • IPM Labs • M & R Durango • Bug Factory • Natural Insect Control • Natural Pest Control • Natural Pest Controls • Peaceful Valley • Plant Sciences • Praxis • Rincon-Vitova • W. Neudorff • Beneficial Insectary • Ecosolution • *Amblyseius degenerans* (for mites): The Green Spot • Evergreen • Syngenta Bioline • Natural Insect Control

Amblyseius fallacis (for two-spotted spider mite, European red mite):

Applied Bionomics • Evergreen • IPM Labs • Natural Insect Control • The Green Spot • Beneficial Insectary
Galendromus annectans (for persea mite): ARBICO • Biotactics • Rincon-Vitova • Beneficial Insectary
Galendromus helveolus (for persea mite): ARBICO • Biotactics • Rincon-Vitova • Applied Bio Pest • Beneficial
Hypoaspis aculeifer (for bulb mite): Biobest
Mesoseiulus longipes or *Phytoseiulus longipes* (for two-spotted spider mite): ARBICO • Biotactics • Planet Natural • Hydro-Gardens • IPM • M & R Durango • Natural Insect Control • Nature's Control • Peaceful Valley • Praxis • The Green Spot

Metaseiulus occidentalis or *Galendromus occidentalis*: ARBICO • Bio Ag • Biological Control • Biotactics • Bowen • Planet Natural • Florikan • Gartenbau • IPM Labs • Koppert • Kuida • M & R Durango • Natural Insect Control • Natural Pest Controls • Nature's Control • Peaceful Valley • Plant Sciences • Praxis • Rincon-Vitova • The Green Spot • Western Farm • Beneficial Insectary
Neoseiulus scyphus (spider mite): Biotactics
Neoseiulus setulus (for cyclamen mite): ARBICO
Phytoseiulus macropilis (spider mite): Biotactics • Rincon-Vitova • Beneficial Insectary

Phytoseiulus persimilis (for two-spotted spider mite): Applied Bionomics • ARBICO • Azienda • Bio Bee • Bio Ag • Biobest • Biobest Canada • Bio Pre • Biocontrol • Biofac • Bioplanet • Biological Control • Biological Crop • Biotactics • Bowen • Planet Natural • Budai • Syngenta Bioline • CO. DEA • Central Coast • Duclos • Evergreen • Biowise • Florikan • Gartenbau • Gartnerei • Hawkesbury • Hydro-Gardens • International Technology • IPM Labs • Koppert • Kuida • M&R Durango • Natural Insect Control • Natural Pest Control • Natural Pest Controls • Bug Factory • Nature's Control • Peaceful Valley • Plant Sciences • Beneficial • Rincon-Vitova • Sautter & Stepper • Sweetbriar • TriCal • W. Neudorff • Zaklad • The Green Spot • Buena • EcoSolutions • Flora • Katz

Typhlodromus pyri: Biowise
Typhlodromus athiasae (for red mite): Amos Rubin
Typhlodromus mcgregori (Banks mite): Biotactics
Typhlodromus rickeri: Rincon-Vitova

Least-Toxic Chemical Controls

Abamectin (Isolated from *Streptomyces avermitilis*):

Merial, Planet Natural (Avid)

Cinnamon oil, garlic extract:

JH Biotech, Harmony (GC Mite)

Cinnamic aldehyde (orchard, field mites):

Emerald, Florikan (Valero)

Cinnamic aldehyde (greenhouse):

Emerald, Florikan (Cinnamate)

Insecticidal Oil:

Highly refined oil (from fish):

Peaceful Valley

Highly refined oil (from petroleum):

Monterey, Harmony (Saf-T-Side) • Valent USA, Harmony, Peaceful Valley (Volck Supreme Spray) • Sun Oil, Charley's, Gardens Alive!, Harmony, Peaceful Valley (Sunspray) • Gardens Alive (Eco-Oil) • The Green Spot • JMS (JMS Stylet Oil) • PBI/Gordon (Acme Dormant)

Highly refined seed oil:

ARBICO (Spreadall, 93 % cottonseed) • Stoller, Peaceful Valley (Natur'l Oil)

Insecticidal Soap: See APHIDS

Neem Products: See APHIDS

Pyrethrins:

Hess & Clark (microencapsulated, Capsul-Ban, Formula 66, LD 44Z) • Roxide • Whitmire (PT 175 microencapsulated, PT-565, PT-505 XLO) • Peaceful Valley (Py-Rin, w/o PBO) • Monterey, Harmony (Bug Buster-O, w/o PBO)

Pyrethrins, rotenone, sulfur and copper (garden mites):

Bonide, Gardner's Supply (Bonide Garden Dust)

Pyrethroid (fluvalinate):

Wellmark, Miller Bee (Apistan Strips for bee mites)

Pyrethroid (permethrin-soaked cotton balls given to laboratory rodents to kill ectoparasite vectors):

Ecohealth (Mite Arrest)

Repellent Garlic Spray (for spider mite):

Garlic Research Labs, Chemical-Free (Garlic Barrier) • Soil Technologies (Garlic Gard) • Peaceful Valley

Repellent Hot Pepper Wax:

Harmony • The Green Spot • Peaceful Valley • Garden City

Silica Aerogel: See ANTS

Tannic acid (for house dust mites):

Allergy Control Products

MOSQUITOES

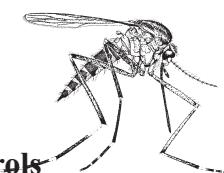
Identification & Monitoring

Mosquito Traps:

BioQuip (CDC, EVS, New Jersey) • Gempler's • American Biophysics (carbon dioxide) • Biosensory (baited)

Attractant for Mosquito Traps:

Flowtron (Octenol controlled release) • Sigma Chemical (Octenol) • Biosensory



Mosquito larvae collection devices:

Clarke Mosquito Control (Dippers)
• BioQuip • Ben Meadows

Physical Controls

Screening and Netting:

BioQuip • REI • Apex Medical

Monomolecular Films to Stop Larvae:

Cognis (Agnique) • Henley (Arosurf)

Biological Controls

Habitat:

Bat Houses: Harmony, Natural Insect Control, The Green Spot, Peaceful Valley, Plow and Hearth

Purple martin bird houses: Nature House (Trio)

Microbial Insecticides:

Bacillus sphaericus (for Culex larvae): Valent Bio (VectoLex, Spherimos)

Bacillus thuringiensis israelensis (BTI) for mosquito & blackfly larvae: Valent Bio, Harmony, Peaceful Valley (Vectobac) • Valent Bio, Peaceful Valley (Skeetal, Bactimos) • Wellmark (Teknar) • Summit, Harmony, Nitron, Sutton, Smith & Hawken, Natural Insect Control (Mosquito Dunks) • Planet Natural, Peaceful Valley (Mosquito Control)

Parasitoids:

Encarsia opulenta (for citrus blackfly): Praxis

Predators:

mosquito fish, *Gambusia affinis*: J. Reilly (Fish shipped May-July) • Natural Pest Controls • Richmond

Least-Toxic Chemical Controls

Insecticidal Oil: See APHIDS

Insect Growth Regulators:

Methoprene pellets, Wellmark (Altosid)

Repellents (Botanical):

Planet Natural, Natural Insect Control (Skeeter Shoo Botanical) • San Jacinto (Mosquito Beater) • S.C. Johnson, Planet Natural (citronella candles) • Woodstream, Gardens Alive (Bite Blocker, geranium oil) • Tender, A.M. Leonard (Natrapel citronella) • Woodstream (Mosquito Barrier Area Repellent) • Roxide (herbal)

Seeds or Mosquito-Repelling Plants:

Shepherds (sweet basil) • Park Seed (holy basil) • J.L Hudson (seeds for repellent plants)

DEET repellent:

REI (Cutter's, Jungle Juice) • BioQuip

Pyrethrin repellent (not for use on skin):

WPC (Permanone) • Apex Medical (Repel) • Waterbury (Purge III)

MOTHS

(See Caterpillars)

NEMATODES

Biological Controls

Beneficial Nematodes:

Steinernema spp.: Certis, Nitron, Johnny's • BioLogic • Hydro-Gardens

Biocontrol bacteria:

Burkholderia cepacia: Market VI (Deny)

Bacillus chitiniosporus: Rincon-Vitova (Activate)

Biocontrol Fungi:

Arthrobotrys sp. (Europe only): Bio Pre

Dactylorella sp. (Europe only): Bio Pre

Hirsutella rhossiliensis (Europe only): Bio Pre

Myrothecium verrucaria: Valent USA (DiTera)

Paecilomyces lilacinus: Bio Pre

Experimental Fungus: International Mycological Institute

Natural chitin-protein nematicide:

Igene Biotechnology, Harmony, Peaceful Valley (ClandoSan) • Planet Natural

Botanical nematicide: Soil Technologies (Nemastop)

SAWFLIES

Physical Controls

Traps and Sticky Tape:

Great Lakes

Least-Toxic Chemical Controls

Insecticidal Soap: See APHIDS

Neem Products:

Certis, Planet Natural, Harmony (Azatin) • Woodstream, Harmony, (Safer's BioNeem) • Certis, Planet Natural, Harmony, Peaceful Valley (Neemix, Trilogy) • San Jacinto (Organica)

SCALES

(See Beetles)

Identification & Monitoring

Pheromones & Traps:

ARBICO, Harmony (Catch-em) • Trécé, Great Lakes, Gemplers, Harmony, Peaceful Valley (Pherocon, Multi-Pher, Unitrap, Delta Traps) • Scentry, Great Lakes, ARBICO, Planet Natural, Gemplers, Natural Insect Control (Delta & Wing Trap) • Phero Tech • Woodstream (SureFire) • Scenturion

Sticky Trap/Tape:

ARBICO • Planet Natural • Great Lakes • Olson • Gemplers • Scentry • Peaceful Valley • Phero Tech

Physical Controls



Barriers & Exclusion Devices:

Planet Natural • Gardens Alive!

Screening:

Hydro-Gardens (Fly Barr)

Sticky Adhesive:

Seabright, Great Lakes, Harmony, Phero Tech (Stickem Special)

Traps and Sticky Tape:

Planet Natural • Gardens Alive! • Harmony • IPM Labs • Phero Tech (Chroma) • Peaceful Valley

Biological Controls

Parasitoids:

Aphytis lingnanensis (for California red scale): Amos Rubin • Bugs for Bugs

Aphytis melinus (for red scale): ARBICO • Bio Ag • Bio Pre • Bowen • FAR • IPM Labs • Kuida • Natural Insect Control • Natural Pest Controls • Organic Control • Peaceful Valley • Praxis • Rincon-Vitova • Sespe Creek • Western Farm • The Green Spot • Bioplanet

Coccophagus lycimnia: Praxis • Bio Pre

Comperiella bifasciata (for red scale): Praxis

Encyrtus lecaniorum: Bio Pre

Metaphycus helvolus (for black scale): ARBICO • Bio Pre • IPM Labs • Natural Insect Control • Natural Pest Controls • Peaceful Valley • Praxis • Rincon-Vitova • Sespe Creek • The Green Spot

Metaphycus zebratus (for soft scale): Bio Pre

Microterys flavus (for brown scale): ARBICO • Bio Pre • Natural Pest Controls • Praxis • W. Neudorff

Parasitic mite, *Cunaxoides* spp.: Praxis

Predators:

Lady beetles:

Chilocorus baileyi (for armored scale): Bugs for Bugs • W. Neudorff

Chilocorus circumdatus (for citrus snow scale, armored scale): Bugs for Bugs • W. Neudorff

Chilocorus spp.: Praxis • Bioplanet

Chilocorus nigritus (for hard scale): Bio Pre • W. Neudorff

Cybocephalus catalinae: IPM Labs

Cybocephalus nipponicus: IPM Labs

Harmonia axyridis: Applied Bionomics • Natural Insect Control • Evergreen • Rincon Vitova
Lindorus lophanthea: ARBICO • Bio Pre • Bioplanet • Planet Natural • Bugs for Bugs • Natural Insect Control • Rincon-Vitova • The Green Spot • Sespe Creek
Scymnus sp. (for soft scale): Bio Pre

Predatory mite, *Euseius* spp. (for scale general, sweetpotato whitefly): Praxis

Least-Toxic Chemical Controls

Insect Growth Regulators

Fenoxy carb: Syngenta (Comply, Precision)
Methoprene: Wellmark (Enstar)

Insecticidal Oil: See Aphids

Insecticidal Soap: See Aphids

Pyrethrin: See Aphids

Repellent Hot Pepper Wax
Planet Natural • The Green Spot • Charley's • Harmony

SILVERFISH

Least-Toxic Chemical Controls

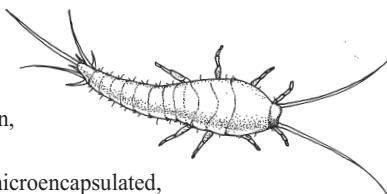
Borate-Based Insecticides:

Waterbury (Mop-Up) • Whitmire (PT 240 aerosol or PT 240 D 99% boric acid dust) • Peaceful Valley (Roach Powder) • Nisus, Target (Niban FG) • NISUS (Timbor) • Planet Natural (Borid) • J.T. Eaton

Diatomaceous Earth: See ANTS

Pyrethrin:

AgrEvo (Kicker, Drione)
• Hess & Clark
(microencapsulated, Capsul-Ban, Formula 66, LD-44Z)
• Roxide • Whitmire (PT 175 microencapsulated, PT-565, PT-505 XLO)
Silica Aerogel: See ANTS



SLUGS AND SNAILS

Physical Controls

Barriers & Exclusion Devices:

Copper snail barrier:

Custom Copper/Snail Barr, Harmony, The Natural Gardening, Peaceful Valley (Snail-Barr) • Woodstream, The Green Spot (Safer)

Traps:

Woodstream, Harmony, Santa Cruz Hort., ARBICO, Peaceful Valley, Great Lakes, The Natural Gardening (Safer) • Nitron, Peaceful Valley, Gardens Alive!, ARBICO (Slug Saloon)

Trap with barley/rice yeast bait:

Gardener's Supply (Slug Trap)

Biological Controls

Predators:

Predatory nematode for snails, *Phasmarhabditis* sp.: Biowise

Predatory snail, *Rumina decollata* (for brown garden snail): ARBICO • C. H. Musgrave • Peaceful Valley • Rincon-Vitova • Sespe Creek

Predatory fly, *Tetanocera* spp. (for European slug): Praxis

Least-Toxic Chemical Controls

Insecticidal Soap: See APHIDS

Slug Bait:

MicroFlo (Slugmaster, metaldehyde) • Garden's Alive (Escargo, iron phosphate) • Monterey, Harmony, Peaceful Valley (Sluggo, iron phosphate)

TERMITES

Identification & Monitoring

Moisture Meter:

Jim Simmons • Professional Equipment • Van Waters • Ben Meadows

Rigid borescope for detecting termites:

Van Waters & Rogers (Econoscope) • Professional Equipment

Termite Sniffer:

Professional Equipment

Trained Dogs:

Beacon Dogs • Industrial Narcotic

Biological Controls

Insect-Attacking Nematodes:

Steinernema carpocapsae: BioLogic • Certis • Hydro-Gardens

Physical Controls

Cold Treatment (liquid nitrogen):

Tallon Pest Control (The Blizzard System)

Electrical Treatment (for drywood termite & boring beetles):

ETEX (Electrogun)

Heat Treatment:

In Denmark: AS Skadedyrcentralen

TPE/Thermapure (Licenses USA companies - Call for Local Practitioners) • In England (Thermo Lignum) • Topp (heaters)

Microwave Equipment:

Wavelength • Professional Equipment

Microwave Treatment:

Call the Bio-Integral Resource Center (see address list)

Least-Toxic Chemical Controls

Borate Termicide & Wood Preservative:

NISUS, Target, Van Waters, Peaceful Valley (Bora-Care, Jecta) • Pole Care (Impel Rods) • Permachink (Guardian, Shellguard) • Sashco (Penetreat) • NISUS (TimBor)

Borate-treated logs:

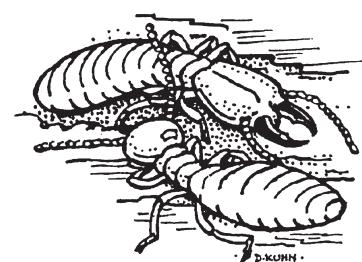
Appalachian • Coast-to-Coast • Lok-N-Logs

Borate-treated lumber:

Gross & James (cross ties) • Osmose • Louisiana Pacific

Borate application foamer:

Richway Industries



Imidacloprid Soil Treatment:

Bayer Agricultural (Premise)

Fipronil Soil Treatment: Aventis (Termidor)

Termite Baits:

Disflubenzuron Exterra System: EnsysTex
 Disflubenzuron Outpost Bait: Whitmire
 Hexaflumuron Sentricon System: Dow AgroSciences
 Sulfluramid Bait: FMC Corporation (FirstLine) • Spectrum (Terminate)
 Termatrol Monitoring Station: Whitmire
Silica Aerogel (in wall voids and attics to repel drywood termites):
 See ANTS

THrips

Identification & Monitoring

Pheromones & Traps:

Great Lakes • Trécé, Gardens Alive!, Great Lakes, Olson, Gempler's (Pherocon) • Peaceful Valley

Sticky Trap/Tape:

ARBICO • BioBest • Planet Natural • Great Lakes • Gempler's • Scentry • Western Farm (Blue Plastic) • Phero Tech

Physical Controls

Screening:

Green-Tek, The Green Spot (No-Thrip) • Tipper, Harmony, Peaceful Valley (Tie-Net)

Traps and Sticky Tape:

Springstar • Harmony • Natural Insect Control • Olson • Gempler's • Phero Tech • Great Lakes • Peaceful Valley • Western Farm (Blue Plastic)

Biological Controls

Microbials

Beauveria bassiana: Emerald, Florikan, Harmony (Botanigard)
 • Troy (Naturalis O, L)
Verticillium lecanii: Koppert (Mycotal, Vertalec)

Predators:

Lacewing, *Chrysoperla* spp.: Smith & Hawken • W. Neudorff
 Lacewing, *Mallada signata*: Bugs for Bugs
 Predatory thrips, *Franklinothrips orizabensis*: American Insectaries
Predatory bugs:
Deraeocoris brevis: Applied Bionomics • The Green Spot
Macrolophus nubilus: Flora Nutzlinge • Katz
Orius albifrons: Bio Bee
Orius insidiosus: Syngenta Bioline • Koppert • IPM Labs • Gartnerei
 • Nature's Control • Plant Sciences • The Green Spot • International Technology • Biobest Canada • Natural Insect Control
Orius laevigatus (for western flower thrips): Amos Rubin • Bioplanet
 • Bio Bee • Koppert • Biological Control • Biological Crop • Plant Sciences

Orius majusculus: Koppert • Sautter & Stepper • W. Neudorff • Bioplanet

Orius spp.: Biobest • Bioplanet • Bio Pre • Duclos • Natural Insect Control • Peaceful Valley • Rincon-Vitova

Orius tristis: ARBICO • Planet Natural • Praxis

Predatory mites:

Amblyseius barkeri: FAR • IPM Labs • M & R Durango
 • Natural Insect Control • Sautter & Stepper • W. Neudorff

Amblyseius cucumeris: ARBICO • Applied Bionomics • Biobest • Biofac • Planet Natural • Syngenta Bioline • Gartnerei • Hydro-Gardens • International Technology • IPM Labs • Koppert • M & R Durango •

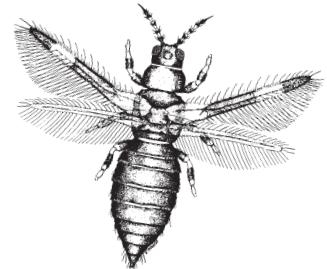
Evergreen • Bug Factory • Natural Insect Control • Natural Pest Control • Natural Pest Controls • Nature's Control • Peaceful Valley • Gempler's • Plant Sciences • Praxis • Rincon-Vitova • W. Neudorff • The Green Spot • Borregaard • Sautter and Stepper • Garta • Biological Crop
Amblyseius degenerans: Amos Rubin • Applied Bionomics • Bio Pre • Bio Bee • Biological Control • International Technology • IPM Labs • Koppert • Natural Insect Control • The Green Spot

Hypoaspis miles (for springtail thrips): Applied Bionomics • IPM Labs • Natural Insect Control • Bug Factory • The Green Spot • International Technology • Koppert • Flora • Katz

Least-Toxic Chemical Controls

Cinnamon Oil, Garlic: JH Biotech, Harmony (GC-Mite)

Diatomaceous Earth: See Ants

**Insecticidal Soap:** See Aphids**Neem Products:**

Certis, Planet Natural, Harmony (Azatin, Align) • Woodstream, Harmony (Safer's BioNeem)
 • Certis, Harmony, Peaceful Valley (Neemix, Neemazad, Trilogy, Triact)
 • Green Light • San Jacinto (Organica)

Pyrethrins:

Johnny's, Peaceful Valley (Pyrenone)
 • AgrEvo (Kicker) • Necessary (Concern)

Repellent Garlic Spray:

Garlic Research Labs, Chemical-Free (Garlic Barrier) • Soil Technologies (Garlic Gard) • Peaceful Valley • Harmony

Sabadilla:

Dunhill, Harmony (Veratran)

Ticks

Physical Controls

Curved tweezers:

BioQuip Products (foreceps)

Tweezers, magnifier & specimen storage bag:

REI (Tick Solution Kit) • BioQuip • A.M. Leonard (TickPick)

Least-Toxic Chemical Controls

Diatomaceous Earth, with pyrethrin:

Permaguard, Pristine, Nitron (Permaguard Pet & Animal) • Pristine, Nitron (Permaguard Household)

Insecticidal Oil:**Citrus oil (d-limonene) extract:**

Orange Guard, Vopak, Target

Pennyroyal, Eucalyptus, Citronella Shampoo:

Hansen's Pet Systems

Repellents:**DEET repellent:**

REI (Cutter's, Jungle Juice)

Permethrin tick repellent:

WPC, Apex Medical, Forestry Suppliers (Permanone) • Sawyer

Selective Pesticide Fipronil:

Merial, Aventis (Frontline) • Veterinarians



Insecticidal Soap:

With pyrethrin:

Woodstream, Planet Natural, Gardens Alive!, Harmony (Flea & Tick Attack) • Woodstream, Gardens Alive!, Harmony, Nitron, The Natural Gardening (Safer Yard and Garden) • Peaceful Valley

Pyrethrin:

Del (Lice, Tick & Flea Killing Spray)

Pyrethroid (permethrin-soaked cotton balls taken to rodent nests to kill ectoparasite vectors):

Ecohealth, Harmony (Damminix)

Silica Aerogel: see ANTS

WASPS

(See Yellowjackets)

WEEVILS

(See Beetles)

WHITEFLIES

Identification & Monitoring

Pheromones & Traps:

Trécé, Gardens Alive!, Great Lakes, Olson, Gemplers (Pherocon) • Phero Tech • Peaceful Valley • The Green Spot

Sticky Trap/Tape:

Scentry, Great Lakes, ARBICO, Planet Natural, Gemplers (Versagard) • Hansen's • ARBICO • Natural Insect Control • Peaceful Valley

Physical Controls

Screening:

Hydro-Gardens (Fly Barr) • Tipper, Harmony, Peaceful Valley (Tie-Net) • Green-Tek, The Green Spot (Anti-Virus)

Sticky Adhesive:

Tanglefoot, ARBICO, Planet Natural, Great Lakes, Gemplers, Harmony, Natural Insect Control, Charley's (Tangle-Trap) • Seabright, Harmony, Great Lakes (Stickem) • Peaceful Valley • Phero Tech

Traps:

Woodstream (Safer Flying Insect) • ARBICO (Insect-A-Peel) • Phero Tech • Springstar

Light traps:

Gilbert Industries (Light Traps)

Sticky trap/tape:

ARBICO • Natural Insect Control • Olson, Great Lakes, Gemplers, Charley's (Stiky Stuff, Stiky Traps) • Seabright (Sticky Traps) • Harmony • Peaceful Valley • Nature's Control

Biological Controls

Microbial Insecticides:

Beauveria bassiana fungus: Troy, Hydro-Gardens, Gardener's Supply, Planet Natural (Naturalis O, L, ES) • Emerald, Hydro-Gardens, Harmony, Rincon-Vitova (Mycotrol, Botanigard)

Paecilomyces fumosoroseus fungus (call for availability in the U.S.): Certis • Biobest • Hydro-Gardens • Bio Pre • Harmony

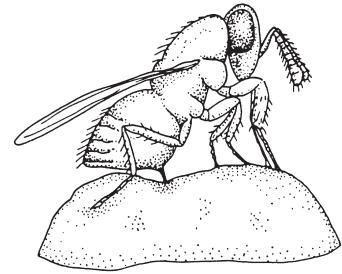
Verticillium lecanii fungus (for greenhouse use): Koppert (Mycotal, Vertalec)

Codacide oil to use with fungal spray: Microcide

Parasitoids:

Encarsia deserti: Hydro-Gardens

Encarsia formosa (for greenhouse whitefly): ARBICO • Applied Bionomics • Biobest • Biofac • Bioplanet • Biological Crop • Budai • Syngenta Bioline • CIE • CO. DEA • Duclos • Biowise • Evergreen • Gartnerei • Hydro-Gardens • IPM Labs • Koppert • M & R Durango • Natural Insect Control • Natural Pest Control • Natural Pest Controls • Nature's Control • Organic Control • Peaceful Valley • Planet Natural • Plant Sciences • Praxis • Rincon-Vitova • Sautter & Stepper • W. Neudorff • Zaklad • The Green Spot • Flora • International Technology • Biobest Canada • Katz



Encarsia mundus: Bioplanet

Eretmocerus californicus (for sweetpotato or silverleaf whitefly):

Beneficial • Bio Pre • Florikan • International Technology • IPM Labs • Plant Sciences • Praxis • The Green Spot • Rincon-Vitova • Buena

Eretmocerus eremicus: Syngenta Bioline • Hydrogardens • Biobest Canada • The Green Spot • Plant Sciences • Natural Insect Control • Koppert • Biological Crop • M&R Durango • Rincon-Vitova

Predators:

Lacewing (greenhouse use), *Chrysoperla carnea* or *Chrysopa carnea*: See APHIDS for suppliers

Lacewing (greenhouse use), *Chrysoperla rufilabris*: See APHIDS for suppliers

Lacewing (greenhouse use), *Mallada signata*: Bugs for Bugs

Lady beetle, *Delphastus pusillus* (for sweetpotato or silverleaf whitefly): Amos Rubin • ARBICO • Biobest • Biological Crop • Evergreen • Planet Natural • Hydro-Gardens • International Technology • IPM Labs • Natural Insect Control • Nature's Control • Praxis • Rincon-Vitova • Peaceful Valley • The Green Spot • American Insectaries

Lady beetle, *Delphastus catalinae*: Applied Bionomics • Rincon-Vitova

Predatory mite, *Euseius rubini*: Amos Rubin

Predatory bug, *Macrolophus caliginosus*: Biobest • Bioplanet • Biowise • Koppert

Predatory bug, *Dicyphus hesperus* Applied Bionomics • Bug Factory

Least-Toxic Chemical Controls

Diatomaceous Earth: See ANTS

Insect Growth Regulators:

Wellmark (Enstar)

Insecticidal Oil:

Highly refined oil (from petroleum):

Monterey, Harmony (Saf-T-Side)

• Sun Oil, Gardens Alive!, Harmony,

Peaceful Valley (Sunspray) • Florikan

(Target Oil) • Gardens Alive (Eco-Oil) • The Green Spot • PBI (Acme)

Highly refined seed oil:

Stoller, Peaceful Valley (Natur'l Oil) • Gardens Alive (Oil Away)

Insecticidal Soap: See APHIDS

Neem Products:

Certis, Planet Natural, Harmony (Azatin) • Woodstream, Harmony, Peaceful Valley (Safer's BioNeem) • Certis, Harmony, Peaceful Valley (Neemix, Trilogy) • San Jacinto (Organica)

Pyrethrin:

Johnny's, Peaceful Valley (Pyrenone) • AgrEvo, Insects Limited (Kicker) • Peaceful Valley (Py-Rin, w/o PBO) • Monterey, Harmony (Bug Buster-O w/o PBO)

Repellent Garlic Spray:

Garlic Research Labs, Chemical-Free (Garlic Barrier) • Soil Technologies (Garlic Gard) • Peaceful Valley

WORMS

(See Caterpillars)

YELLOWJACKETS and BEES

Identification & Monitoring

Pheromones & Traps:

Woodstream, Planet Natural, Peaceful Valley, Harmony, Great Lakes (SureFire) • Phero Tech (Phero Tech Lures) • Phero Tech, Great Lakes (Unitrap) • Trécé, Gardens Alive!, Great Lakes, Olson, GEMPLERS (Pherocon) • San Jacinto (for Africanized bees)

Training Video for Honeybee Emergencies:

A.I. Root

Physical Controls

Beekeeping equipment for use on bee swarms, yellowjacket nest removal:

A.I. Root (bee veil, gloves, suits) • Dadant & Sons (Bee veils & coveralls) • BioQuip

Bee swarm traps:

Scentry, Great Lakes, ARBICO, Planet Natural (Swarm Trap) • San Jacinto • GEMPLERS

Bee Pheromone Lure:

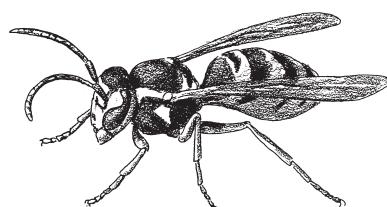
Miller Bee • Phero Tech • San Jacinto

Bee Pheromone Spray to attract bees:

Phero Tech (Fruit Boost)

Bee Varroa Mite Trap:

Phero Tech



Yellowjacket Traps:

Seabright, Great Lakes, Harmony, Phero Tech, GEMPLERS (Yellowjacket Inn) • Sterling Intl. (Rescue! Yellowjacket) • Woodstream, Great Lakes, Peaceful Valley, Natural Insect Control (Victor Fly-In-Saucer) • Woodstream, Harmony, Santa Cruz Hort, ARBICO, Peaceful Valley, Great Lakes, The Natural Gardening (SureFire) • Woodstream (Safer Pheromone Trap)

Least-Toxic Chemical Controls

Boric acid:

Whitmire (PT 240 20% aerosol, PT 240D 99% pure boric acid dust)

Diatomaceous Earth (with pyrethrin): See ANTS

Insecticidal Soap:

For Africanized Bees:

Harmony (M-Pede)

Pyrethrin:

Hess & Clark (Capsul-Ban microencapsulated, Formula 66, LD-44Z) • Roxide • Whitmire (PT 175 microencapsulated, PT-565, PT-505 XLO) • Gardener's Supply (Pyrethrin and Rotenone)

Essential Oils:

Ecosmart (BioOrganic, EcoPCO)

Mint Oil:

Woodstream (Poison Free)

Resmethrin plus components that "freeze" wasps:

Roxide (Revenge Wasp & Hornet Killer)

Silica Aerogel (with pyrethrin): See ANTS

Sting Stop (for pain): Boericke

Wasp/Bee Sting Medication:

Self-injected epinephrine:

Darby(EpiPen) • Hollister-Stier (Ana-Guard) • Dey Labs (EpiPen)

First-aid for bee stings:

Miller Bee (Sting Aid)

MISCELLANEOUS

Educational Materials

Databases (Pest Management):

Bio-Integral Resource Center (Online Organic) • University California Statewide IPM Project (IMPACT Database) • World Wide Web

On-line, CD-ROM database of registered pesticide products, chemical fact sheets, MSDS sheets:

NPIRS User Services (Pest Bank) • World Wide Web

Pest Management Publications & AV Products:

Books on agriculture, horticulture, pest management:

Jack and the Beanstalk

Integrated Pest Management publications:

Bio-Integral Resource Center (BIRC)

Slides on biological control:

BCW

Slides, reference library, training manuals:

Vopak

Videos introducing IPM in agriculture, landscaping, & greenhouses, two pest ID slides kits:

San Luis Video

Identification & Monitoring

Computers & Software:

Apple scab forecasting equipment:

GEMPLERS (PSAOC consultant software)

Compost maturity test kit: Woods End (Solvita)

Portable data recording equipment:

Wescor (Biophenometers)

Information/Identification Services & Supplies:

Entomological specimens (10,000 species): Combined Scientific Supplies, Great Lakes, GEMPLERS, BioQuip

Equipment, supplies & books: BioQuip • GEMPLERS

Ichneumonid identification service: American Entomological Institute

Identification and information service for pests and beneficial insects: CAB Biosci • BioNet

Identification of insect pathogens: Consulting Diagnostic Service

Identification of Entomopathogenic Nematodes: CAB Biosci

Information, identification of agricultural, urban insects:
Cooperative Extension Service (local offices)

Information service on biological control: CAB Biosci • Bio-Integral Resource Center (BIRC)

Information on Pheromone Use and Development:
American Semochemical Association

Information on Pesticide Toxicity: <http://ace.orst.edu/info/extoxnet> •
<http://www.pesticideinfo.org> • Bio-Integral Resource Center

Information on BIRC Publications: <http://www.birc.org>

Information on Biocontrol Insectaries: ANBP

Online Organic Database: <http://www.birc.org>

Sustainable Agriculture Website:

<http://www.sarep.ucdavis.edu/grants/database>

Monitoring Devices:

Data Logger: Onset Computer (Hobo)

Electronic insect counter: Automata (Data-Lynx BUGCOUNT)

Flashlight with red filters: (Streamlight)

Flashlight Helmet: Streamlight (Cyclone)

Inspection mirror: Applied Bionomics, Harmony Farm (Magnifier hand lenses, headband magnifiers)

Microscopes: Gemplers (Donegan Optical) • RF Inter-Science, Gemplers (MacroScope 25, MacroScope 45, MacroScope 18-36 Zoom)

Moisture meters: Delmhorst (Delmhorst) • Jim Simmons • Professional Equipment

Termite Sniffers: Professional Equipment

Radon Test Kits: Professional Equipment

Sweep nets: Oakfield Apparatus • BioQuip • Great Lakes

Temperature monitor: Great Lakes (Taylor Min/Max Thermometer) • (CropClok 1000 Temperature Integrator, Dickenson Self-Contained Temperature Recorders) • Gempler's

Maximum-Minimum Thermometer: BioQuip • Great Lakes

Degree-day Calculators: Gemplers • BioQuip

Vacuums: ARBICO (Bug Sweep) • BioQuip Products (Insect Vacs) • D-VAC Company (D-VAC) • McCluney • Gardener's Supply (Bug Vacuum) • Proteam (Hummer, Optimus) • Peaceful Valley

Water bacteria analysis kits: Professional Equipment • Idexx • Neogen

Weather monitor & disease forecasting system: Automata (Data-Lynx Degree Day) • Neogen (EnviroCaster) • Gemplers (Pest Meto Products)

Pesticide Residue Detection:

Aquatic sampling equipment: Wildlife Supply

Detection of carbamate, organophosphate & thiophosphate residues in air, water, soil or surfaces: Neogen (Veratox, Ticket) •

Silverlake

Lead testing kit: Professional Equipment • Planet Natural

Lead, pesticides, nitrates test kit: Silverlake

Physical Controls

Row Covers:

Charley's (Harvest-Gard) • See Beetles (crop pests)

Biological Controls and Supplies

Artificial Diets:

For lacewings & lady beetles:

Rincon-Vitova • The Ladybug Company • The Green Spot (Biodiet) • Oliver

Wheat for lacewings & lady beetles:

Planet Natural • Peaceful Valley, Charley's (Pred-Feed) • Natural Insect Control

Teflon Insect Barrier:

Local Hardware Store (see Plumbing Supplies)

Habitat:

Bat house to encourage insect predation by bats:

Gardener's Supply (Bat House) • Peaceful Valley • Green Spot • Natural Insect Control • Harmony

Seed mixture for beneficial insect habitat:

Gardens Alive! (Haven Flowering Herbs, Haven Cover Crop) • Peaceful Valley (Good Bug Blend, Border Patrol) • Lohse Mills • Shepherd's • Gardner's Supply • W. Atlee Burpee

California Native Grass and Flower Seeds: Pacific Coast Seeds

Soil analysis test kits: BioQuip • Great Lakes • Peaceful Valley

Transplants for beneficial insect habitat:

Cornflower Farms

Insect and Microbial Rearing Supplies:

Autolysed yeast (rearing medium, fruitfly attractant, baiting control): Bugs for Bugs

Sitotroga cerealella (moth eggs for Trichogramma rearing medium): Kunafin

Supplies for rearing insect pathogens: International Mycological Institute • Oliver • Invitrogen

Pollination aids:

Ecogen (Bee-Scent) • Phero Tech (Fruit Boost)

Pollinators: bumble bee, *Bombus* spp.: W. Neudorff • Biobest • Koppert • Natural Insect Control • Bio Bee

Predators:

Chinese praying mantid, *Tenodera aridifolia sinensis*: ARBICO • Planet Natural • M & R Durango • Natural Insect Control • Natural Pest Controls • Peaceful Valley • Praxis • Smith & Hawken • A-1 Unique • Nature's Control • The Green Spot

Red hybrid earthworms, *Lumbricas* sp.:

A-1 Unique • Rincon-Vitova

Pesticide Application Equipment

Application equipment for structural pest control:

B & G • Harmony • Peaceful Valley • Professional Equipment • Vopak

Bait applicator:

Specialty Products (BaitGun) • Whitmire • Blue Diamond

Dusters:

B&G Equipment (B&G Dusters) • AgrEvo (Actisol) • Planet Natural, Nitron, Peaceful Valley, Gardens Alive, Charley's (Dustin Mizer) • Vopak (Getz Gun) • Parker (P.E.S.T. Power Applicator) • Woodstream, Peaceful Valley (Pest Pistol)

Electrostatic sprayers/dusters:

Electrostatic Spraying Systems • Pristine • Bee Tee • Agr Evo

Sprayers:

Planet Natural • Bee Tee, Pristine (Murayama) • Gardener's Supply (Spraydoc) • Green Pro • Harmony • Vopak • GEMPLER'S

Tool for Injecting Wall Voids: B & G

Protective Skin Coating: Gloves in a Bottle

Respirators:

BWS • Harmony • Lab Safety Supply (full hood respirator) • Survivair (Series 86 Disposable APR) (Call Survivair for local distributors) • Vopak

Production Supplies

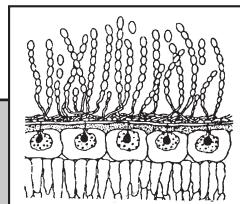
Irrigation Equipment: Harmony

Organic Fertilizer: Gardener's Supply • San Jacinto • Harmony • Peaceful Valley • New Era

Recycling Resources

Compost, Used Materials: Calmax • New Era

Portable Bailer to Recycle Solarization Plastic: Kennco



PLANT DISEASE MANAGEMENT

CROWN GALL DISEASE

Biological Controls

Microbial Fungicides:

Agrobacterium radiobacter strain K84: AgBioChem, Necessary, Harmony (Galltrol-A, Gallex) • New BioProducts, IPM Labs (NoGall K1026) • Western Farm

PATHOGENS

of Flowers, Foliage and Fruit

Identification & Monitoring

Apple scab forecasting equipment:

Harmony (Qualimetrics Hygrothermograph) • Automata (Scab Off software)

Automata (Grapemold)

Lettuce downy mildew prediction software:

Automata (Let Down)

Indicator plant (Summer Madness petunia) for tomato spotted wilt: Ball Seed

Tomato spotted wilt virus detection kit: Agdia

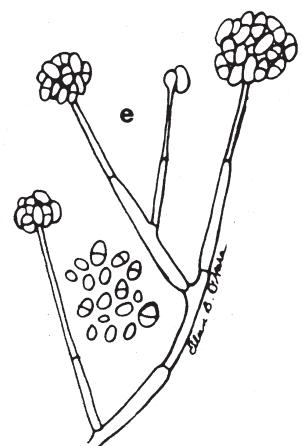
Plant disease detection kits: Neogen (Reveal)

Weather monitor & disease forecasting system**(for fire blight):**

GEMPLER'S (MARYBLYT)

Physical Controls**Fungal Barriers:****Antitranspirants:**

Green Pro (Vita Coat) • Miller (Vapor Gard) • PBI/Gordon (Transfilm) • Precision (Preserve) • Wilt-Pruf (Wilt-Pruf) • Nature's Touch (Leaf Cote Clear) • Peaceful Valley

**Habitat:**

Styrofoam blocks to increase ventilation:

Beaver Plastics, First Choice (Ventblocks)

Horticultural Controls**Disease-Resistant Roses:**

Heritage Rosarium • High Country • Hortica • Heirloom • Jackson and Perkins • Lowe's Own • Vintage Gardens • Rose Catalog • American Rose Society

Biological Controls**Microbial Fungicides:**

Ampelomyces quisqualis (biofungicide for powdery mildew): Ecogen, Harmony, Plant Health Care (AQ-10)

Bacillus pumilis (biofungicide): Rincon-Vitova (Activate)

Bacillus laterosporus (*Rosa* Flora): Better Flora

Bacillus subtilis (Serenade): AgraQuest

Candida oleophila (for postharvest protection of citrus): Ecogen (Aspire)

Compost tea brewers: Growing Solutions • SoilSoup • Microb Brewer • Earth Tea

Pseudomonas fluorescens (for fire blight): Plant Health Technologies, Peaceful Valley (Blight Ban)

Pseudomonas solanacearum (non-pathogenic for bacterial wilt control): Natural Plant Protection

Trichoderma harzianum (for grey mold): Makhteshim-Agan (Trichodex) • Bioworks (Plant Shield) • Borregaard • Binab (Plant Gard)

Trichoderma sp. (for chlorotic vine leaf curl): Binab (Binab-T)

Streptomycin antibiotic (for pear, apple fire blight): Peaceful Valley (Agrimycin)

Least-Toxic Chemical Controls

Baking soda with sticker: Gardener's Supply (Remedy) • Monterey • Peaceful Valley

Calcium Foliar Spray: Bonide (Rot-Stop)

Cinnamic aldehyde: Emerald (Valero)
Garlic and Oil: JH Biotech, Harmony (GC-3)

Copper & Sulfur Fungicides:

Planet Natural (micronized sulfur) • Monterey (Nordox, Copper Count N, Micronized Sulfur) • Peaceful Valley, The Natural Gardener (Kocide, Bordeaux) • Harmony • Bonide, Gardener's Supply (Bonide Garden Dust) • Gardens Alive (copper soap) • Woodstream (Rose and Flower) • Intagra, Necessary (Concern fungicidal soap) • Stoller (TopCop)

Flowable sulfur formulation:

Woodstream, Harmony, Charley's, (Safer Garden Fungicide) • Peaceful Valley • Stoller (That)

Fungicidal Soap (copper and soap): Gardens Alive (Soap Shield)

Peroxide Oxidants: Biosafe (Oxidate, Zero Tol)

Oil and Lime-Sulfur:

The Green Spot • Best Sulfur Products

Calcium Thiosulfate:

Best Sulfur Products (Thiocal)

Highly refined oil (from petroleum) & sulfur:

Necessary • Peaceful Valley

Mint oil: Soil Technologies (Fungastop)

Neem Products (for mildew, botrytis, rust): Certis, Harmony, Peaceful Valley (Trilogy, Triact) • Greenlight • San Jacinto (Organica)

Horticultural Oil: See APHIDS

ROOT PATHOGENS

Identification and Monitoring

Detection kit for pathogens:

Neogen (Reveal)

Physical Controls

Heat, Steam and Hot Water:

Heat (electric soil sterilizer):

Olson, Great Lakes, Gemplers

Hot Water:

Aqua Heat

Solarization Plastic:

Mipco • AEP • Peaceful Valley

Portable Bailer to Recycle

Solarization Plastic:

Kennco Manufacturing

Steam Machines and Boilers:

Sioux • Saskatoon

Biological Controls

Microbial Fungicides:

Burkholderia cepacia: Market VI (Deny)

Fusarium oxysporum (non pathogenic): Natural Plant Protection

Gliocladium virens (for pythium, rhizoctonia):

Certis, Harmony, Gardens Alive (SoilGard)

Gliocladium sp. (for fusarium, pythium): Kemira Oy, Hydro-Gardens

(Gliomix)

Microbial Antagonists: San Jacinto (MicroGro) • Rincon-Vitova

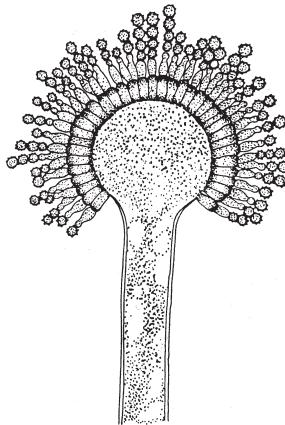
Pseudomonas aureofaciens (leased system for golf courses): EcoSoil (BioJect system)

Pseudomonas cepacia: Soil Technologies (Bac-Pack)

Pseudomonas solanacearum (non-pathogenic): Natural Plant Protection

Pseudomonas spp. (also includes other antagonists, mycorrhizae and growth stimulating enzymes): Green Releaf (BioReleaf)

Streptomyces griseoviridis strain K61 (for fusarium, damping off,



pythium, phytophthora, etc.): Kemira, Hydro-Gardens (Mycostop) • AgBio (Mycostop) • Peaceful Valley • Rincon-Vitova • Harmony • Plant Health Care

Streptomyces sp.: Spray-N-Grow (RootGuard)

Streptomyces lydicus (for fusarium, rhizoctonia, pythium): San Jacinto (MicroGro)

Trichoderma harzianum (soil treatment for root pathogens): BioWorks (Rootshield, Turfshield) • Binab • Wilbur-Ellis (Bio-Trek, for brown patch, dollar spot on golf courses) • Borregaard • Harmony

Trichoderma atroviride (cold tolerant): Ag Tech (Plant Helper)

Trichoderma sp. (for growth promotion): Plant Health Care (Compete)

Disease-Suppressive Seed or Soil Treatment:

Bacillus subtilis: Gustafson (Kodiak) • Plant Health Care • Rincon-Vitova (Activate) • AgraQuest (Serenade)

Bacillus uniflagellus: Rincon-Vitova (Activate)

Bacillus spp. (mixture): Rincon-Vitova

Burkholderia cepacia: Market VI

Trichoderma harzianum (seed treatment for root pathogens): BioWorks (Rootshield, Planter's Box) • Agricola Mas Viader • Plant Health Care

Disease-suppressive peat moss:

Southern Importers (Southland)

Disease-suppressive container mixes or compost:

BioComp • Earthgro (Scotts) • Sun-Gro • Southern • Louisiana Pacific • O.M. Scotts (Hyponex) • Paygro

Micronutrients: Spray-N-Grow

Compost Tea Brewing Equipment: Growing Solutions • SoilSoup • MicroB Brewer • Earth Tea

Endomycorrhizae to increase plant nutrition and help protect against disease:

Glomus sp. (VAM fungus): Bioscientific (Mycorise) • BioOrganic • Green Releaf (BioReleaf) • Mikro-Tek • Plant Health Care (Mycor) • Biological Crop • Natural Fertilizer • Philom (TagTeam) • Rincon-Vitova • AgBio • Roots • Mycorrhizal Applications

Ectomycorrhizae (forest nurseries, urban trees):

Pisolithus tinctorius: Rincon-Vitova • Plant Health Care (Mycortrees) • Plant Revolution • AgBio • Mycorrhizal Applications

Pisolithus, Rhizopogon mixtures: Roots • Plant Health Care

TREE WOUND PATHOGENS

Biological Control

Trichoderma sp.: Binab (Binab-T), to treat tree wounds

TURF DISEASES

Identification & Monitoring

Detection kit for turf diseases:

Neogen (Reveal) • Neogen (Alert)

Compost maturity test kit:

Woods End (Solvita)

Physical Controls

Turf Aerator:

Harmony, Peaceful Valley (Gorilla Core Aerator)

Horticultural Controls

Brown patch resistant turfgrass:

Turf Seed (Tar Heel, Wolfpack, Coronado Gold, Olympic Gold)

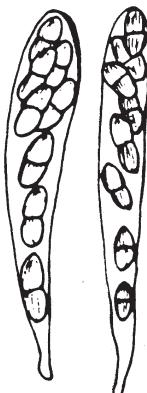
Biological Controls

Microbial Soil Amendments:

New Era Farm Service (composted soil amendments) • Jade Mountain (composting toilet) • Northeast Organics (Turf Cocktail to stimulate microbials in soil) • Lane • Agro Dist

Beneficial microorganisms that attack turf pathogens:

Gardener's Supply (Green Magic) • Green Releaf (BioReleaf) • Peaceful Valley (Restore) • Wilbur-Ellis (BioTrek) • Bioworks (Turfmate) • Eco-Soil (BioJect) • Soil Technologies (BacPack) • Natural Fertilizer • Plant Health Care (Compete)



MISCELLANEOUS

Educational Materials

Pest Management Publications & AV Products:

Integrated Pest Management publications, videos:

Bio-Integral Resource Center (BIRC)

Identification & Monitoring

Apple scab forecasting equipment:

Great Lakes IPM (Belfort Leaf Wetness Recorder)

Information/Identification Services:

Fungal identification service and supplies: CAB Biosci

Information, identification of agricultural, urban insects:

Cooperative Extension Service (local offices)

Information service on biological control using microbes: CAB Biosci

Miscellaneous Compost Aids: Beckner (Compost Aerator) • Charley's (Compost Thermometer) • Natural Insect Control (Earthworms) • Woods End (Compost Maturity Test Kit)

Compost Tea Brewing Equipment: Growing Solutions • SoilSoup • Microb Brewer • Earth Tea

Mycotoxin Detection Kits: Neogen

Nematode identification service: CAB Biosci

Plant Disease Detection Kits (for fusarium mold, pythium, phytophthora, rhizoctonia, sclerotina, brown patch, dollar spot): Neogen Corp. (Alert, Agri-Screen, Reveal)

Plant Disease Detector: Automata Inc. (Leaf Moisture Sensor)

Plant Disease Prediction Software (for general fungal disease, apple scab, botrytis, powdery mildew): Automata Inc. (GET WELL) • Automata (Scab Off) • Automata (GrapeMold)

Recycler for Solarization Plastic (Portable Bailer): Kennco

Recycler Catalog (sources of compost, etc.): Calmax

Soil Testing Kits, pH Meters: BioQuip • Great Lakes • Great Lakes (Hannah) • Ben Meadows • Harmony • Peaceful Valley • GEMPLERS

Soil Testing, Microbials and Minerals: BBC Labs • Soil Foodweb



VERTEBRATE MANAGEMENT

BATS

Educational Materials

Bat House Construction Booklet:

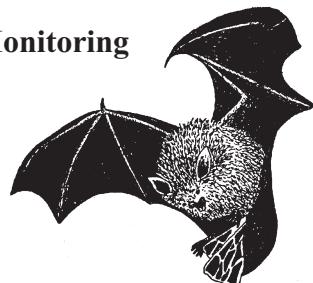
Bat Conservation International, Plow & Hearth, Peaceful Valley, Harmony

Bat Houses: The Green Spot • Natural Insect Control • Harmony • Peaceful Valley

Identification & Monitoring

Flashlight with red filters:

Streamlight (Streamlight)



Physical Controls

Copper mesh hole filler:

Allen Special Products (Stuf-Fit)

Netting:

Wildlife Control (Bat Kit, Swallow & Woodpecker Kit for home-made bat check valve, Wildlife Net) • GEMPLERS (Wildlife Net)

BIRDS

Physical Controls

Barriers & Exclusion Devices:

Wildlife Control (Pigeon Barrier) • Birdbarrier (Daddi Long Legs)

Copper mesh hole filler:

Allen Special Products (Stuf-Fit)

Metal projectors:

Cat Claw (Cat Claw) • Wildlife Control • Bird-X • Nixalite (Nixalite) • Birdbarrier (Birdpoint)

Netting:

Wildlife Control, GEMPLERS (Wildlife Net) • Bird-X • JT Eaton • InterNet, Great Lakes (Internet) • Animal Repellents • Peaceful Valley • Nichols Net • Nixalite (Netting) • Sterling Marine • Sutton • Tenax (Ornex) • Tipper, Harmony, Peaceful Valley (Tie-Net) • Birdbarrier (Birdnet, Stealth Net) • BioCare • Margo

Wire exclusion systems:

National Netting • Birdbarrier (Birdwire, Birdcoil)

Deterrents:

Alarms & detonators:

Bird-X (BirdGard, Transonic IX-L, Ultrasonic ET) • Birdbarrier (Birdwailer) • Reed-Joseph (Electronic Scare Away, Scare Away Pyrotechnics, Multi Bang Automatic Cannon, Rotomat Revolving Platform) • Wildlife Control (ZON Propane Cannons, Shell Crackers,

Bird Bombs, Bird Whistlers, ZON Automatic Scarecrow) • Agricultural Supply, Margo (Zink Bird Banger) • Bird-X (Nixalite) • Sutton (bird bomb, cannon)

Distress calls to deter Canada geese:

Wildlife Control

Electric Shock Deterent:

Birdbarrier (American Birdfence, solar)

• Avian Flyaway



Flashing light deterrent:

Bird-X (Bird Strobe Light)

Reflective tape:

Reed-Joseph, W. Atlee (Scare-Away Reflecting Tape) • Wildlife Control, Agricultural Supply, Peaceful Valley (Mylar Silver Strips) • Bird-X (Irri-Tape) • Smith & Hawken (Birds Beware) • Sutton

Live Traps (for starlings, pigeons, etc.):

National Live Trap • Nature House • Reed-Joseph (Trap Away) • Tomahawk, Plow & Hearth (Tomahawk) • Woodstream, Great Lakes, Harmony, Peaceful Valley, Gardener's Supply (Havahart, Victor) • Margo

Repellents:

Bird-X (Bird-Proof) • Sutton • Peaceful Valley

Repelling balloons:

Reed-Joseph (Evil Eye) • ARBICO (Bird Scare Eye Balloon, Owl Scarecrow) • Plow & Hearth (Scare Eye) • Bird-X, Peaceful Valley, Gemplers (Scare Eye) • W. Atlee (Birds-Away Inflating Snake, Ollie-Owl) • Bird-X (Terror Eyes) • Gempler's • Sutton • Tanglefoot

Repellent gel: Sutton • Hot Foot America

Repelling kites:

Sutton • Cochranes • Peaceful Valley

Sticky repellent:

Tanglefoot (Tanglefoot Bird Repellent) • Peaceful Valley

Sticky Adhesive:

Olson, Hydro-Gardens (Stiky Stuff) • Seabright (Stickem Special) • Gemplers, Great Lakes, Necessary, Nixalite (Tanglefoot) • Peaceful Valley

Least-Toxic Chemical Controls

Repellents:

Nixalite, Peaceful Valley, Plow & Hearth (Ropel) • Bird-X (Bird Proof) • JT Eaton (4-the-birds) • Becker Underwood, Martinson-Nicholls (ReJexit Migrate for Canada geese, ReJexit Fog Force for pigeons, gulls, ReJexit Crop Guardian for starling, gulls, catbirds on fruit)

CATS/DOGS

Biological Controls

Guard Donkeys to Protect Sheep:

American Donkey

Physical Controls

Cat tongs:

Tomahawk, Plow & Hearth (Tomahawk)

Electric Fencing:

Gardener's Supply

Least-Toxic Chemical Controls

Repellents:

Animal Repellents • Sterling Intl. (Rescue! Dog & Cat Repellent) • Peaceful Valley (Ropel) • Farnam (Get Off My Garden)

GOPHERS and MOLES

Biological Controls

Nematodes to Eat Insects that are Mole Food:

Certis, Harmony, Hydro-Gardens, IPM Labs, The Green Spot *Beauveria bassiana* (to kill soil insects that attract moles):

Troy, Hydro-Gardens, Harmony (Naturalis)

Owl Boxes (to shelter owls that prey on gophers): Rincon Vitova • Harmony • Natural Insect Control

Horticultural Controls

Gopher Resistant Plants: (Call BIRC for list)

Physical Controls

Barriers & Exclusion Devices:

Harmony (Root Guard Baskets) • Peaceful Valley

Tree Wrap:

Gemplers (T&G Plastic Tree Shields) • Peaceful Valley (Spiral Tree Guard)

Deterrents:

Roxide (Revenge Smoke Bomb)

Live Traps for gophers:

Harmony, Peaceful Valley, Tomahawk

Lethal Traps for moles:

Woodstream, Harmony (Out of Sight squeeze type, Victor, harpoon type) • Peaceful Valley

Lethal Traps for gophers:

Woodstream, Harmony, Santa Cruz Hort, Arbico, Peaceful Valley, Great Lakes, Necessary, The Natural Gardening, Gardens Alive (Black Hole, box type) • Woodstream (Victor Easy Set, Gopher Getter, squeeze type)

Least-Toxic Chemical Controls

Gopher Bait Blocks (for emergency use mainly in agriculture): JT Eaton (Answer, diphacinone)

Mole Repellent: Mole-Med, Soil Technology, Gardens Alive (Mole-Med) • Gardener's Supply • Becker Underwood • Value Garden

Gopher Repellent: Gardens Alive (Gopher-Med)

DEER

Physical Controls

Deterrents:

Alarms & detonators:

Agricultural Supply • Critter Control • Margo • Coop Eco

Roadside highway reflectors to deter deer:

Strieter (Strieter-Lite)

Electric fencing:

North Bradford (Techfence) • Gardener's Supply • Gallagher Power Fence • Waterford • Tenax

Wireless Fence (for guard dogs): Drs. Foster and Smith

IR Sensor to Turn On Sprinklers: Gardener's Supply (Water Defence)

Heat Activated Alarm: Drs. Foster and Smith

Tree Wrap:

Gemplers (T&G Plastic Tree Shields) • Peaceful Valley (Spiral Tree Guard)

Least-Toxic Chemical Controls

Repellents:

Intagra, Gardener's Supply, Gardens Alive!, Harmony, Plow & Hearth, Peaceful Valley (Deer-Away, Get Away) • Harmony (National Deer Repellent) • Gardens Alive!, Harmony, Peaceful Valley (Hinder Deer & Rabbit Repellent) • Peaceful Valley, Harmony (National Scent) • Peaceful Valley (Ropel) • Gardener's Supply (Champon's) • Wildlife Management • Envirodyne (Meat Meal) • Harmony (Not Tonite Deer)

Gardens Alive, Harmony (Hinder Deer & Rabbit Repellent) • Harmony (National Scent) • Peaceful Valley (Ropel) • Envirodyne (Green Screen) • Intagra, Gardener's Supply, Gardens Alive, Harmony, Plow & Hearth, Peaceful Valley (Get Away)

RACCOONS

Physical Controls

Barriers & Exclusion Devices:

Stromberg's (Catcher-Holder Poles for animal restraint) • Tomahawk, Plow & Hearth (catch poles)

Electric fencing:

Gallagher Power Fence (Gallagher) • Waterford (ShockTactics, Flexinet) • Gardener's Supply

Wireless Fence (for guard dogs):

Drs. Foster and Smith

Heat Activated Alarm:

Drs. Foster and Smith

Live Traps and Carrying Cages:

National Live Trap • Reed-Joseph (Trap Away) • Safeguard (Safeguard) • Tomahawk, Plow & Hearth (Tomahawk) • Wildlife Control • Woodstream, Great Lakes, Harmony, Peaceful Valley, Gardener's Supply (Havahart, Victor) • Wildlife Management • Margo

Wildlife Removal/Relocation Services:

Critter Control (for small animals only)

Least-Toxic Chemical Controls

Repellents:

Nixalite, Peaceful Valley, Plow & Hearth (Ropel) • Gardener's Supply (Champon's) • Intagra, Gardener's Supply, Gardens Alive, Harmony, Plow & Hearth, Peaceful Valley (Get Away)

RATS and MICE

Identification & Monitoring

Flashlight with red filters:

Streamlight (Streamlight)

Rodent contamination detection devices:

BioQuip (Spectronics, Blacklight Kits) • Professional Equipment

Physical Controls

Copper mesh hole filler:

Allen Special Products (Stuf-Fit)

Traps (for rats and mice):

Sterling Intl. (Rescue! Dispose-A-Mouse) • Reed-Joseph (Trap Away) • Seabright, Phero Tech (Smart Mouse Trap) • Tomahawk, Plow & Hearth (Tomahawk) • Woodstream, Great Lakes, Harmony, Peaceful Valley, Gardener's Supply, Havahart, Victor) • Woodstream (Victor Holdfast) • Woodstream (Victor Tin Cat, Terminator) • Wildlife Management

Glue board trap:

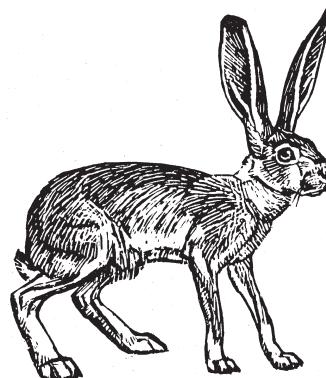
Woodstream (Victor Holdfast) • Bell (Trapper products) • JT Eaton (Eaton's Stick-em) • Enforcer (Enforcer Rat & Mouse Glue Traps)

Electrocutor trap:

AgriZap • Professional Equipment

Live Trap:

Seabright • Tomahawk



Physical Controls

Electric Fencing:

Gallagher Power Fence (Gallagher) • Waterford (ShockTactics, Flexinet) • Gardener's Supply

Live Traps:

Wildlife Management • Tomahawk, Great Lakes, Peaceful Valley • Woodstream, Harmony • Margo

Netting:

Wildlife Control, GEMPLERS (Wildlife Net)

Tree Wrap:

GEMPLERS (T&G Plastic Tree Shields) • Peaceful Valley (Spiral Tree Guard)

Least-Toxic Chemical Controls

Repellents:

Least-Toxic Chemical Controls

Tool to Place Baits and Traps:

Arcoa (EZ Reacher)

Baits:

Necessary (Rampage) • Peaceful Valley • Trapper Jack's (macadamia nut lure) • Bell (Detex, non-toxic monitoring bait)

Bait stations:

Bell (Protecta, RTU) • JT Eaton (Rat Depot) • Lipha Tech (Bait Safe)

Stop feed, single dose (0.075% cholecalciferol Vitamin D3):

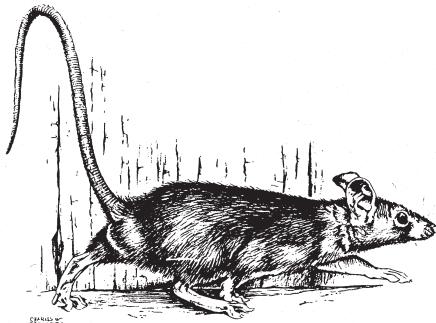
Bell (Quintox)

Anticoagulants:

D-Con (D-Con, warfarin) • Bell (Final, warfarin)

• Bell (Contrac, bromadiolone) • Bell (Liqua-Tox II, diphacinone) •

Bell (Ditrac, Ditrac Tracking Powder, diphacinone)



• D-Con (D-Con II, brodifacoum) • Lipha Tech (Maki, bromadiolone)

• Lipha Tech (Rozol, chlorphacinone)

Zinc phosphide:

Bell (ZP Rodent Bait AG) • Bell (ZP Tracking Powder)

SKUNKS

Physical Controls

Catch Poles:

Tomahawk, Plow & Hearth (Tomahawk)

Electric Fencing:

Gallagher Power Fence (Gallagher) • Waterford (ShockTactics, Flexinet) • Gardener's Supply

Live Traps and Carrying Cages:

National Live Trap • Reed-Joseph (Trap Away) • Safeguard (Safeguard) • Tomahawk, Plow & Hearth (Tomahawk) • Woodstream, Great Lakes, Harmony, Peaceful Valley, Gardener's Supply (Havahart) • Margo (Tru Catch) • Nichols • Wildlife Management

Least-Toxic Chemical Controls

Repellents:

Nixalite, Peaceful Valley (Ropel)

Skunk Deodorant:

Drs. Foster & Smith (Skunk Kleen) • NISUS (BAC-AZAP)

SQUIRREL

Squirrel-Proof Bird Feeders:

Arundale (The Mandarin) • Looker

Hot Pepper Treatment for Birdseed:

Mellinger's (Squirrel Away)

Live Traps:

Tomahawk • Woodstream • Harmony • Peaceful Valley

Repellent:

Harmony • Peaceful Valley • J.T. Eaton

WILDLIFE

Physical Controls

Control Equipment:

Cat tongs:

Tomahawk, Plow & Hearth, Harmony

Poles to catch animals:

National Live Trap • Tomahawk, Plow & Hearth (Tomahawk) •

Wildlife Management

Protective Gloves:

Tomahawk, Plow & Hearth (Tomahawk)

Snake tongs:

National Live Trap

Alarms & Detonators:

Reed-Joseph (Scare Away Pyrotechnics, Multi Bang Automatic Cannon, Rotomat Revolving Platform) • Agricultural Supply • Critter Control • Margo

Infra-Red Triggered Water Cannon:

Gardener's Supply (Water Defence)

Heat Activated Alarm:

Drs. Foster and Smith

Wireless Fences (for guard dogs):

Drs. Foster and Smith

Copper Mesh Hole Filler:

Allen Special Products (Stuf-Fit)

Electric Fencing:

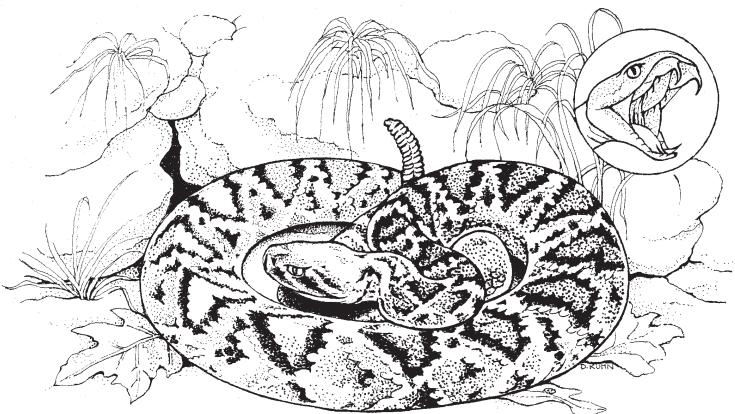
Waterford (ShockTactics, Flexinet) • Gallagher • Gardner's Supply • Peaceful Valley • Harmony • Jade Mountain (solar electric) • Margo (for bear, wolverine)

Live traps:

Margo (for large animals) • National Live Trap • Reed-Joseph (Trap Away) • Safeguard (Safeguard) • Tomahawk, Plow & Hearth, Great Lakes (Tomahawk) • Wildlife Control • Woodstream, Great Lakes, Harmony, Peaceful Valley, Gardner's Supply (Havahart, Victor)

Wildlife Removal/Relocation Services:

Margo (for large animals) • Critter Control (for small animals only)



Least-Toxic Chemical Controls

Repellents:

Nixalite, Peaceful Valley, Plow & Hearth (Ropel) • Becker Underwood (Rejexit to deter Canada geese) • Mole-Med, Gardens Alive, Soil Technologies (Mole-Med, Repellent for moles)

MISCELLANEOUS

Educational Materials

Integrated Pest Management Publications:

Bio-Integral Resource Center



WEED MANAGEMENT

Educational Materials

Pest Management Publications & AV Products:

Integrated Pest Management publications, videos:

Bio-Integral Resource Center

Identification & Monitoring

Information/Identification Services

Information, identification of agricultural, urban insects:
Cooperative Extension Service (local offices)

Information service on biological control of weeds:
International Institute of Biological Control

Physical Controls

Barriers and Exclusion Devices:

Asphalt crack filler:
Garon Products (Crack-Fill)

Electric Shredder to Make Mulch:
Gardener's Supply (Gloria) • BCS America

Mulch:
Peaceful Valley (IRT, Planter's Paper) • Birkett Mills (Mul-Tex) • Appleseed (EweMulch) • Penny Newman (Rice Hull Mulch)

Sunlight Barrier (aquatic weeds):
Applied Biochemists (Aquashade)

Weed control fabric/plastic:
Easy Gardener, Peaceful Valley (WeedBlock Landscape Fabric) • BBA, Planet Natural (Typar Landscape Fabric) • Gardener's Supply (Weed Mat) • Gardens Alive! • Amoco (Duon) • AEP (IRT Plastic) • Peaceful Valley (IRT Plastic) • BBA (Tree Circles)

Flamers:

Ben Meadows • Forestry Suppliers (Panama) • Plow & Hearth (Weed Destroyer) • Flame Engineering, Planet Natural, Harmony (Red Dragon) • Peaceful Valley • Planet Natural • Gempers

Heat Treatment (system using boiling water):

Waipuna (Waipuna System) • Aqua Heat

Heat Treatment (portable propane radiant heat): Forevergreen

Skin Protectant:

Poison oak/ivy cleanser/prevention:

Apex Medical (Stoko-Gard Outdoor Cream) (Sell only to pharmacists)

- Smith & Hawken (Tecnu Cleanser) • Masune (Ivy Block, Technu)
- Gempers's (Ivy Shield) • Sawyer (Itch Balm)

Weeding Animals:

Books, pamphlets, lists of breeders:

American Donkey & Mule • American Southdown Breeders' (sheep) • Natural Colored Wool Growers'

Weeding Tools:

Brush-clearing tools: Forestry Suppliers

Hand tools: Gardener's Supply • Smith & Hawken • Plow & Hearth • Peaceful Valley • BCS America • A.M. Leonard • New Tribe (Weed Wrench, woody shrubs) • The Natural Gardening (Thistle Monster)

Mechanical Weeder: Weed Badger (Tiller, Qwik-Disk, Cyclone Spade, Mower, Undercutter)

Mechanical harvester: Hockney Weed Cutter (underwater weeds)

Rotary cutters: Bush Hog (Bush Hog Rotary Cutter)

Tiller/mulcher/mower: Weed Badger (Weed Badger)

Weedeater: Poulan/Weed Eater • BeeTee Equipment Sales (Husqvarna)

Biological Controls

Bacterial Biostimulation for Algae Control:

Plant Health Care (Pond Saver) • Enviro-Rep (Super Bug) • Gardener's Supply (Bacta-Pur)

Sterile grass carp fish (for aquatic weeds):

American Sport (not often available in CA; diploid and triploid) • East Arkansas • J.M. Malone (triploid grass carp) • Keo Fish Farms (diploid and triploid) • Richmond Fisheries • Whiskers Catfish Farm (triploid)

California Native Plants: California Native Plant Society

Herbivores:

Aceria malherbae (mite for field bindweed): Praxis

Agapeta zoegana (for knapweed): Praxis

Agonopterix alstroemeriana (poison hemlock): BCW

Aphthona spp. (beetle for leafy spurge): Praxis • BCW

Apion fuscirostre (stem weevil for Scotch broom): Bio Collect

Apion ulicis (stem weevil for gorse): Bio Collect

Aplocera plagiata (St. John's wort): BCW

Bangasternus orientalis (for yellow starthistle): Bio Collect • BCW • Peaceful Valley

Cassida rubiginosa (for Canada thistle): BCW

Ceuthorhynchidius horridus (for musk thistle): Praxis

Ceutorhynchus litura (thistle weevil for Canada thistle): BCW • Praxis

Chrysomela quadrigemina (beetle for St. Johnswort): Bio Collect • BCW

Coleophora klimeschiella (for Russian thistle leafminer): Bio Collect

Coleophora parthenica (for Russian thistle stem borer): Bio Collect

Cyphocleonus achates (knapweed root weevil): BCW

Eustenopus villosus (yellow starthistle): BCW • Bio Collect • California Bioworks

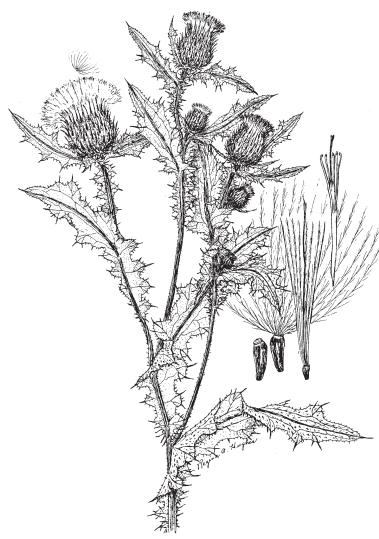
Gallerucella calmariensis (purple loosestrife defoliating weevil): BCW

Hyles euphorbiae
(hawk moth for spurge weed): Praxis

Larinus planus (weevil for Canada thistle): BCW

Leucoptera spartifoliella (leafminer for Scotch broom): Bio Collect

Longitarsus jacobaeae
(flea beetle for tansy ragwort): BCW • Bio Collect



Metzneria paucipunctella (for knapweed): BCW

Microlarinus lareynii
(weevil for puncturevine): Bio Collect • Peaceful Valley

Microlarinus lypriformis (weevil for puncturevine): Bio Collect

Oberea erythrocephala (beetle for leafy spurge): BCW • Praxis

Rhinocyllus conicus (weevil for musk, milkthistle, Italian thistle): Bio Collect • Praxis

Sphenoptera jugoslavica (stem borer for knapweed): Praxis

Spurgia esulae (gall midge for leafy spurge): Praxis • BCW

Urophora affinis (gall fly for knapweed): BCW

Urophora cardui (gall fly for Canada thistle): BCW

Urophora quadrifasciata (gall fly for knapweed): BCW

Urophora sirunaseva (gall fly for yellow starthistle): Bio Collect

Trichosirocalus horridus (weevil for musk thistle): BCW • Praxis

Tyria jacobaeae (cinnabar moth for tansy ragwort): Bio Collect • BCW

Distributes stem & seed weevils against puncture vine:

CALTEC Agri Marketing Services • Peaceful Valley

Weeder Geese (brown Chinese):

Holderread's Waterfowl Farm & Preservation Center • Morris Farms & Hatcheries

Weeding Chickens:

Inman Hatcheries • Murray McMurray Hatchery • Stromberg's Chicks & Game Birds Unlimited

Microbial Herbicides:

Alternaria cassiae (for sicklepod, available sporadically): Dow Agro (Casst)

Colletotrichum gloeosporioides (for northern jointvetch, available sporadically): Ecogen (Collego)

Phytophthora palmivora (available sporadically for strangler vine): Valent USA (DeVine)

Xanthomonas campestris (annual bluegrass): EcoSoil (XPo)

Least-Toxic Chemical Controls

Application equipment:

Forestry Suppliers (Hypo-Hatchet Tree Injectors) • AG Spray Equipment

Herbicidal Soap (postemergent):

Monterey, Harmony (QuiK Weed) • Gardens Alive (WeedAside) • Intagra, Harmony (Concern)

Herbicidal Fatty Acids (postemergent):

Dow Agro, Harmony (Scythe)

Herbicidal Essential Oil (postemergent):

EcoSmart (BioOrganic) • North Country (Burnout, limonene, vinegar)

Least-Toxic Herbicide (corn gluten meal pre-emergent):

Grain Processing • Soil Technologies • Gardens Alive (WOW) • Fertrell, Gardener's Supply, Peaceful Valley, North Country (Weedstop) • Floyd Rogers • Hardesty (Suppressa) • Manning Agricultural • Rhodes • Safe Earth • Walts • Blue Seal • Soil Technologies • Harmony • BioScape (Bioweed)

Corn Gluten hydrolysate:

Grain Processing



ADDRESSES OF PRODUCERS AND SUPPLIERS

A

3M Corp., 3M Center, St Paul, MN 55144; 800/364-3577, 408/663-5324, Fax 800/713-6329
A-1 Unique Insect Control, 5504 Sperry Dr., Citrus Heights, CA 95621; 916/961-7945, Fax 916/967-7082
Actron Inc., PO Box 55655, Santa Clarita, CA 94385; 661/287-3335, Fax 661/287-3339
AEP, Inc., 14000 Monte Vista Avenue, Chino, CA 91710; 909/465-9055
Aerogen, see The Aerogen
AgBioChem Inc., 3 Fleetwood Ct., Orinda, CA 94563; 925/254-0789; 530/527-8028, Fax 530/527-6288
AgBio Development Inc., 9915 Raleigh St., Westminister, CO 80030; 877/268-2020, 303/469-9221, Fax 303/469-9598
Agdia Inc., 30380 County Road 6, Elkhart, IN 46514; 219/264-2014, Fax 219/264-2153
AgraQuest, 1530 Drew Avenue, Davis, CA 95616; 530/750-0150, Fax 530/750-0153
AgEvo Environmental Health, 95 Chestnut Ridge Rd., Montvale, NJ 07645; 800/438-5837, Fax 201/307-3386
Agricola "El Sol", 30 Calle 11-42, Zona 12, GUATEMALA, C.A.; tel. 760496, Fax 7604-96
Agricola Mas Viader, Mas Viader 7, 17244 Cassa de la Selva, Girona, SPAIN; +34/(9) 72 46 04 15, Fax +34/(9) 72 46 04 15
Agricultural Supply, 1435 Simpson Way, Escondido, CA 92029; 800/527-6699, 760/737-2442, Fax 760/741-9412
AgriZap Inc., 1860 Eastman Avenue, Bldg 111, Ventura, CA 93003; 888-deadrat, 805/654-0657, Fax 805/654-1390
Agro Distribution, 600 Fourth Street, PO Box 7000, Sioux City, IA 51102-7000; 800/831-1002 Extn 8770
AG Spray Equipment, 1100 New Industry Lane, Hopkinsville, KY 42240; 800/637-7172, 502/886-0296
Ag Tech Corporation, 1380 N. Abby, Fresno, CA 93703; 559/266-3824, Fax 559/233-1068
A.I. Root Co., PO Box 706 623 W. Liberty St., Medina, OH 44258; 330/725-6677, Fax 330/725-5624
Air Products and Chemicals, 4000 Nelson Ave., Concord, CA 94520; 800/224-2724, 925/687-1906, Fax 925-687-3694
Allen Special Products Inc., PO Box 605, Montgomeryville, PA 18936; 800/848-6805, Fax 215/997-6654
Allergy Control Products Inc., 96 Danbury Rd., Ridgefield, CT 06877; 800/422-DUST, Fax 203/431-8963
Alsto's, PO Box 1267, Galesburg, IL 61402; 800/447-0048, Fax 800/621-8263
Alternative Control Technology, 145 Mansfield Circle, Lexington, SC 29073; 800/200-1880, 803/996-1309, Fax 803/957-7031
American Agrifabrics, 1282 Old Alpharetta Rd., Alpharetta, GA 30005; 800/565-5151, 770/663-7600, Fax 770/663-7690
American Biophysics, 2240 South County Trail, East Greenwich, RI 02818; 401/884-3500, Fax 401/884-6688
American Donkey & Mule Society, 2901 North Elm St., Denton, TX 76201; 940/382-6845, Fax 940/484-8417
American Entomological Institute, 3005 SW 56th

Ave., Gainesville, FL 32608-5047; 352/377-6458, Fax 352/377-6458

American Insectaries, 30805 Rodriguez Rd., Escondido, CA 92026; 760/751-1436, Fax 760/489-0353

American Rose Society, 8777 Jefferson Paige Road, Shreveport, LA 71119-8817; 318/938-5402, Fax 318/760-5405

American Semicontinuous Association, 1620 I St. NW, Ste. 925, Washington, DC 20006; 202/293-5800, Fax 202/463-8998

American Southdown Breeders' Assoc., HCR 13, Box 220, Freedonia, TX 76842; 915/429-6226

American Sport Fish Hatchery, PO Drawer 20050, Montgomery, AL 36120; 334/281-7703, Fax 334/288-6376

A.M. Leonard, Inc., 241 Fox Dr., PO Box 816, Piqua, OH 45356; 800/543-8955, Fax 800/433-0633

Amoco Fabrics & Fibers, PO Box 66, Greenville, SC 29602; 800/925-0664, 770/956-9025, Fax 803/297-3088

Amos Rubin (Int.), 14, Rahavat Ilan, Givat Shmuel 54056, ISRAEL; 972-3-5351798, Fax 972-3-5341019

Andermatt Biocontrol, Unterdorf, 6146 Grossdietwil, SWITZERLAND; +41 62 917 5000, Fax +41 62 917 5001

Animal Repellents Inc., PO Box 510, Orchard Hill, GA 30266; 800/241-5064, Fax 770/227-9190

Apex Medical, PO Box 1235, Sioux Falls, SD 57101; 800/328-2935, Fax 605/332-6818

Appalachian Log Structures, PO Box 614, Ripley, WV 25271; 800/458-9990, 304/372-6410

Appleseed Wool Co., 55 Bell St., PO Box 101, Plymouth, OH 44865; 800/881-9665, 419/687-9665, Fax 419/687-8272

Applied Biochemists, W175 N11163 Stonewood Drive #234, Germantown, WI 53022; 800/558-5106, 262/255-4449, Fax 262/255-4268

Applied Bionomics Ltd., 11074 W. Saanich Rd., Sidney, BC, CANADA V8L 5PS; 250/656-2123, Fax 250/656-3844

Applied Bio Pest, 3310 Net Place, Oxnard, CA 93035; 805/984-9224, Fax 805/984-1517

Aqua Heat, 8030 Main St. NE, Minneapolis, MN 55432; 800/328-2418, 612/780-4116, Fax 612/780-4316

ARBICO, PO Box 8910, Tucson, AZ 85738; 800/827-2847, 520/825-9785, Fax 520/825-2038

Arcoa Industries, 130 Bosstik Blvd, San Marcos, CA 92069; 800/748-5529, 760/599-6915, Fax 760/599-6986

Arnold Brothers, PO Box 450, Fairacres, NM 88033; 505/526-6165, Fax 505/526-8061

Arundale Products, PO Box 4637, St. Louis, MO 63108; 800/866-2473, 314/645-1220

A Safe Pest Eliminators, 11338 SW 158th Place, Miami, FL 33196; 305/447-7152

AS Skadedycentralen, Glentevej 11, 6705 Esbjerg , DENMARK; 75 14 28 00

Association of Natural Biocontrol Producers (ANBP), 10202 Cowan Heights Drive, Santa Ana, CA 92705; 714/544-8293, Fax 714/544-8293

Automata Inc., 104 New Mohawk Road, Suite A, Nevada City, CA 95959-3261; 800/994-0380, 530/478-5882, Fax 530/478-5881

Aventis, www.termidorhome.com

Avian Flyaway, 2231 Ridge Road, Suite 101, Rockwall, TX 75087; 800/888-0165, 972/771-

6679, Fax 972/722-0165

Azienda Agraria Giardina, S.P. 104, Contrada Carrozzieri Milocca, 90600 Siracusa, ITALY; 0931-721444

B

Baley's, 1206 N. 31st Ave., Melrose Park, IL 60160; 708/681-0900, Fax 708/544-3204

Ball Seed Co., 622 Town Rd., West Chicago, IL 60185; 630/231-3500, Fax 630/231-3605

Bat Conservation International, PO Box 162603, Austin, TX 78716-2603; 800/538-BATS, 512/327-9724

Bayer Agricultural Products, PO Box 4913, 8400 Hawthorne Rd., Kansas City, MO 64120; 816/242-2000, Fax 816/242-2659

Bayer Animal Health, 12707 Shawnee Mission Parkway, Shawnee, KS 66216; 913/631-4800

BBA Non-Wovens, 70 Old Hickory Blvd., PO Box 511, Old Hickory, TN 37138-3651; 800/321-6271, 615/847-7000, Fax 615/847-7068

BBC Labs, 1217 North Stadem Drive, Tempe, AZ 85281; 480/967-5931, Fax 480/967-5036

BCS America Inc., PO Box 18000, Portland, OR 97218; 800/543-1040, 503/252-8360, Fax 503/252-1249

BCW, see Biological Control of Weeds

Beacon Dogs Inc., 1409 Bay Head Rd., Annapolis, MD 21401; 410/757-4999

Beaver Plastics Ltd., 12150 160 St., Edmonton, AB, CANADA T5V 1H5; 403/453-5961, Fax 403/453-3955

Becker Underwood, 801 Dayton Ave. PO Box 667, Ames, IA 50010; 800/232-5907, Fax 515/232-5961

Bee Tee Equipment Sales, 21075 Alexander Ct. Unit H, Hayward, CA 94545; 510/887-8301

Bell Laboratories Inc., 3699 Kinsman Blvd., Madison, WI 53704; 608/241-0202, Fax 608/241-9631

Ben Meadows Co., PO Box 5277, Jamesville, WI 53547; 800/241-6401, Fax 800/628-2068

Beneficial Insectary, 9664 Tanqueray Ct., Redding, CA 96003; 800/477-3715, 530/226-6300, Fax 530/226-6310

Best Sulfur Products (BSP), 5427 East Central Avenue, Fresno, CA 93725; 559/485-0114, Fax 559/264-1715

Better Flora, 603 N. Kimball, Excelsior Springs, MO 64024; 816/630-3399, Fax 816/630-2399

B & G Equipment Company, PO Box 130, Plumsteadville, PA 18949-0130; 800/544-8811, 215/766-8811, Fax 215/766-8240

Binab Bio-Innovation AB, Bredholmen, SE-545 92 Algaras, SWEDEN; 46-505-10093, Fax 46-505-10054

Bio Ag Services, 4218 W. Muscat, Fresno, CA 93706; 559/268-2835, Fax 559/268-7945

BioBase Technologies, Inc., RD 1 Box 715, Landisburg, PA 17040; 717/789-3434

Bio-Bee Sde Eliyahu-BCI, Kibbutz Sde Eliyahu, D.N. Beit Shean 10810, ISRAEL; +972-6-6580905, Fax +972-6-6580908

Biobest Canada, 2020 Mersea Rd. #3, RR4, Township of Mersea, Leamington, Ontario CANADA N8H 3V7; 519 /322-2178, Fax 519 /322-1271

Biobest N.V., Ilse Velden, 18, 2260 Westerlo, BELGIUM; 32-14-257980, Fax 32-14-257982

BioCare Specialty Products, 75 Executive Avenue; Suite 9, Rohnert Park, CA 94928; 800/799-2273, Fax 707/546-2273

- Fax 707/586-2759
Bio Collect, 5481 Crittenden St., Oakland, CA 94601; 510/436-8052, Fax 510/532-0288
BioComp, Inc., 2116-B BioComp Dr., Edenton, NC 27932; 800/624-4769, Fax 252/482-3491
Biocontrol Ltd., PO Box 515, Warwick, Queensland, AUSTRALIA 4370; 076/614488
Biofac Crop Care, Inc., PO Box 87, Mathis, TX 78368; 800/233-4914, 361/547-3259, Fax 361/547-9660
Bio-Integral Resource Center, PO Box 7414, Berkeley, CA 94707; 510/524-2567, Fax 510/524-1758, birc@igc.org, www.birc.org
BioLogic, PO Box 177, Willow Hill, PA 17271; 717/349-2789, Fax 801/912-7137
Biological Control Insectaries, Kibbutz Sde Eliyahu, D.N. Bet-Shean, ISRAEL 10810; 972-6-5809035, Fax 972-6-580908
Biological Control of Weeds Inc. (BCW), 1418 Maple Dr., Bozeman, MT 59715; 800/334-9363, 406/586-5111, Fax 406/586-1679
Biological Crop Protection, Ltd., Occupation Rd., Wye, Nr. Ashford Kent TN25 5EN, UNITED KINGDOM; +44(0)1233 81 3240, Fax +44(0)1233 81 3383
BioNET-International, Bakeham Lane, Egham, Surrey TW20 9TY, UNITED KINGDOM; 01784-470111, Fax 01491 829100
BioOrganics Inc., 53606 Bridge Drive, La Pine, OR 97739; 888/332-7676, Fax 541/536-1583
BioPlanet, Via Masiere I, MSS, 47023 Cesena (FC), ITALY; 0547-632212, Fax 0547-632266
Bio Pre, Geerweg 65, 2461 TT Langeraar, THE NETHERLANDS; 31-172-539333, Fax 31-172-537859
BioQuip Products, 17803 La Salle Ave., Gardena, CA 90248-3602; 310/324-0620, Fax 310/324-7931
Biosafe, 80 Commerce St, Glastonbury, CT 06033; 888/273-3088, 860/657-2211
Bioscape, 4381 Bodega Avenue, Petaluma, CA 94952; 877/246-7227, 707/781-9233, Fax 707/781-9234
Bioscientific, Inc., 4405 S. Litchfield Rd., Avondale, AZ 85323; 800/872-2461, 623/932-4588, Fax 623/925-0506
Biosensory Inc., Windham Mills Technology Center; 322 Main St; Bldg 1, Willimantic, CT 06226; 860/423-3009, Fax 860/423-3028
Biotactics, Inc., 20780 Warren Road, Perris, CA 92570; 909/943-2819, Fax 909/943-8080
Biotechnik (Int.), Winnekendonker Str. 43, (Potthaus) D 4178 Kevelaer 2, GERMANY; 01149-2825/6571, Fax 01149-2825/1776
Biowise, Hoyle Depot, Graffham, Petworth, West Sussex, GU28 0LR, UNITED KINGDOM; 01798-867574, Fax 01798-867574
BioWorks Inc., 122 N. Genesee St., Geneva, NY 14456; 800/877-9443, 315/781-1703, Fax 315/781-1793
Birdbarrier America, 300 Calvert Ave., Alexandria, VA 22301; 800/662-4737, 703/299-8855, Fax 703/299-0844
Birdbarrier America (main office), 20925 Chico St., Carson, CA 90746; 800/503-5444, 310/527-8000, Fax 310/527-8005
Bird-X Inc., 300 N. Elizabeth, Chicago, IL 60607; 800/662-5021, 312/226-2473, Fax 312/226-2480
Birkett Mills, PO Box 440, Penn Yan, NY 14527; 315/536-3311, Fax 315/536-6740
Blue Diamond Manufacturing Co., 1001 Old Hwy 11W, Mooresburg, TN 37811; 800/237-5705, 423/921-9994, Fax 423/921-9488
Blue Seal Feeds, PO Box 8000, Londonderry, NH 03053; 800/367-2730, 603/437-3400, Fax 603/437-3403
Boericke and Tafel, 2381 Circadian Way, Santa Rosa, CA 95407; 800/876-9505, 707/571-8202
Bonide Products, 6301 Sutliff Rd., Oriskany, NY 13424; 315/736-8231, Fax 315/736-7582
Borregaard Bioplant, Helsing Forsgade 27B, DK-8200 Aarhus N, DENMARK; +45/86 78 69 88, Fax +45/86 78 69 22
Bowen Biosystems, 5313 E. Hannibal Street, Mesa, AZ 85205; 800/900-0246, 209/384-2130, Fax 916/237-4545
Bramton Co., PO Box 655450, Dallas, TX 75265; 800/272-6336, Fax 972/438-0959
Budai Cs, PO Box 99, 6801, Hodmesvasarhely, HUNGARY; 46-611
Buena Biosystems, PO Box 4008, Ventura, CA 93007; 805/525-2525, Fax 805/525-6058
Bugs for Bugs (Int.), 28 Bowen St., Mundubbera 4626, AUSTRALIA; 61-7-4165-4663, Fax 61-7-4165-4626
Bug Factory, see The Bug Factory
Bug Store, see The Bug Store
Bush Hog, PO Box 1039, Selma, AL 36702-1039; 334/872-6261, Fax 334/872-0168
Bushwhacker, see The Bushwhacker
B&W Sales, 800/843-6334, Fax 770/985-8273
BWS Distributors Inc., 1847 Piner Rd., Santa Rosa, CA 95403; 800/862-4685, Fax 707/546-4804
C
CABI BioScience (Entomology, Biological Control, Mycology, Parasitology) UK Centre, Silwood Park, Ascot, Berkshire SL5 7TA, UNITED KINGDOM; +44 (0)1344 872999, Fax +44 (0)1491 829123
Cabot Corp., 700 E. US Highway 36, Tuscola, IL 61953-9643; 800/222-6745, 217/253-3370
California BioWorks, 33016 Road 204, Woodlake, CA 93286; 559/564-2620; 559/564-8182, Fax 559/564-0708
California Native Plant Society, 1722 J Street, Suite 17, Sacramento, CA 95814; 916/447-2677
Calmax, 8800 Cal Center Drive MS #23, Sacramento, CA 95826-3268; 916/255-2369, Fax 916/255-4580
CALTEC Agri Marketing Services, PO Box 576155, Modesto, CA 95357; 800/491-BUGS, 209/575-1295, Fax 209/575-0366
Carter-Wallace, Inc., 1345 Avenue of the Americas, New York, NY 10105; 212/339-5000, 212/489-2200
Care Technologies, 10 Corbin Drive, PO Box 82, Darien, CT 06820-0582; 203/655-9680, Fax 203/655-9682
Cat Claw Inc., PO Box 5250, Johnstown, PA 15904; 800/832-2473, Fax 814/269-3800
Celite Corp., 137 W. Central Avenue, Lompoc, CA 93434; 800/527-7315, 805/735-7791
Central Coast Insectary, 391 Hames Rd., Watsonville, CA 95076-0234; 831/726-1853, Fax 831/726-3090
Certis, 9145 Guilford Rd. Suite 175, Columbia, MD 21046; 800/847-5620, Fax 301/604-7015
Charley's Greenhouse Supply, 17979 State Route 536, Mt. Vernon, WA 98273; 800/322-4707, 360/428-2626, Fax 800/233-3078
Chemical-Free Lawn, 260 Pottersville Rd., Chester, NJ 07930; 908/879-2269
C. H. Musgrove, 2901 Everwood Dr., Riverside, CA 92503; 909/785-1680
CIE La Croix, Rue du Pont, 21 Plougastel-, Daoulas, FRANCE 29213; 98-403030, Fax 98-042437
Clarke Mosquito Control Products, Inc., PO Box 72197, Roselle, IL 60172; 800/323-5727, 630/894-2000, Fax 630/894-1774
Cleary Chemical, 178 Ridge Road, Dayton, NJ 08810-1501; 800/524-1662, 732/329-8399
Clorox Company, 3030 LBJ Freeway, Ste. 1220, LB38, Dallas, TX 75234; 800/426-6228, 214/484-6326, Fax 214/406-0496
Coast-to-Coast Log Homes, 7015 Palmer Rd., Millersport, OH 43046; 800/360-9777
Cochrane of Oxford Ltd., Leafield Witney, Oxfordshire, UNITED KINGDOM, OX29 9NY; +44 1993 878641, Fax +44 1993 878416
CO. DEA, CREAT del Chambre d'Agriculture, Quartier la, Baronne, La Gaude, FRANCE 06610
Cognis Corp., 5051 Estecreek Drive, Cincinnati, OH 45232; 800/543-7370, Fax 513/482-5515
Combined Scientific Supplies, PO Box 1446, Fort Davis, TX 79734; 915/426-3851
Conrad Appel, Bismarckstr. 5g, 6100 Darmstadt, GERMANY; 06151-852200
Consulting Diagnostic Service, 992 Santa Barbara Rd., Berkeley, CA 94707; 510/524-9476
Cooperative Extension Service (local offices)
Copper Brite Inc., PO Box 50610, Santa Barbara, CA 93150-0610; 805/565-1566, Fax 805/565-1394
Cornflower Farms, PO Box 896, Elk Grove, CA 95759; 916/689-1015, Fax 916/689-1968
Critter Control, 9435 Cherry Bend Rd., Traverse City, MI 49684; 800/451-6544, 231/947-2400, Fax 231/947-9440
Custom Copper/Snail-Barr, PO Box 4939, Ventura, CA 93004; 805/647-1652; 805/647-3271
D
Dadant & Sons, 51 S. 2nd St., Hamilton, IL 62341-1399; 800/637-7468, 217/847-3324, Fax 217/847-3660
Darby Group, Inc., 865 Merrick Ave., Westbury, NY 11590; 800/645-3696
D-Con, Inc., 225 Summit Avenue, Montvale, NJ 07645
De Groene Vlieg, Duivenwaardsedijk 1, 3244 LG Nieuwe Tonge, THE NETHERLANDS; 0187-651862, Fax 0187-652445
Degussa Corp., 379 Interpace Parkway, PO Box 677, Parsippany, NY 07054-0677; 800/237-6745
Delmhors Instrument Co., 51 Indian Ln. E., Towaco, NJ 07082; 800/222-0638, 973/334-2557, Fax 973/334-2657
Del Pharmaceuticals, Inc., 178 EAB Plaza West Tower, Union Dale, NY 11156; 516/844-2020, Fax 516/293-1515
Dey Laboratories, Napa, CA; 800/869-9005
Dow AgroSciences, 9330 Zionsville Road, Indianapolis, IN 46268-1054; 800/255-3726; 800/745-7476, 800/258-3033, Fax 800/905-7326
Drs. Foster and Smith, Inc., 2253 Air Park Rd., PO Box 100, Rhinelander, WI 54501; 800/826-7206
Dryacide Australia Pty Ltd., 1/20 Ryelane St., Maddington 6109, Western AUSTRALIA
Dryacide USA, 3356 Emerson St., San Diego, CA 92106; 619/222-1680, Fax 619/523-1713
Duclos Agro-Biotech S.A., B.P. 3, 13240 Septemes les, Vallons, FRANCE; 91-963000, Fax 91-962527
Dunhill Chemical, 642 South Duggan, Azusa, CA 91702; 626/815-1663, Fax 626/815-1687
D-VAC Company, PO Box 2506, Ventura, CA 93002; 805/643-5407, Fax 805/643-6267
E
Eagle Picher Minerals, Inc., 6110 Plumas St., Reno, NV 89509; 800/366-7607, Fax 702/824-7694
Earthgro/Scotts, PO Box 143, Rte 207, Lebanon, CT 06249; 800/874-7336, 860/642-7591
Earth Tea Brewer, PO Box 1295, Cottage Grove, OR 888/600-9558; 541/343-8727, Fax 541/343-8374
East Arkansas Fish Distributors, PO Box 361, Hazen, AR 72064; 870/255-3455
Easy Gardener, PO Box 21025, Waco, TX 76702-1025; 800/327-9462, 254/753-5353, Fax 254/753-5372

Ecogen Inc., 2000 West Cabot Blvd. #170, Langhorne, PA 19047; 800/220-2135, 215/757-1590, Fax 215/757-3339

EcoHealth, Inc., 33 Mt. Vernon St., Boston, MA 02108; 617/742-2400, Fax 617/742-4953

Ecology Works, see The Ecology Works

EcoSmart Technologies, 318 Seaboard Lane, Franklin, TN 37067; 888/326-safe, Fax 615/261-7301

Eco-Soil Systems, 10890 Thormint Rd., Suite 200, San Diego, CA 92127; 800/331-8773, 619/675-1660

EcoSolutions, 2948 Landmark Way, Palm Harbor, FL 34684; 727/787-3669, Fax 727/787-3669

Electrostatic Spraying Systems, Inc., PO Box 151, Watkinsville, GA 30677; 706/769-0025, Fax 706/769-8072

Emerald BioAgriculture, PO Box 58696, Salt Lake City, UT 84158; 800/383-4310, 801/533-8270, Fax 801/533-8271

Enforcer Products, Inc., PO Box 1060, Cartersville, GA 30120; 800/241-5656, 770/386-0801, Fax 770/386-1659

Ensure-A-Seal, 7011 Fair Oaks Drive, Export, PA 15632; 800/864-4174, Fax 724/327-8046

Ensynstex, 2709 Breezewood Avenue; PO Box 2587, Fayetteville, NC 28302; 888/exterra, Fax 888/368-4749

Enviro-Reps Intl., 1656 Walter St. Unit E, Ventura, CA 93003; 877/999-9374, Fax 805/644-3527

Envirodyne, PO Box 357, Manistee, MI 49660; 800/968-9453, Fax 231/723-2514

ETEX Ltd., 3200 Polaris Ave. #9, Las Vegas, NV 89102; 800/543-5651, 702/364-5911, Fax 702/364-8894

Evergreen Growers Supply, 17492 S. Eaden Road, Oregon City, OR 97045; 503/631-7954, Fax 503/631-3097

Farnam, 301 W. Osborne, Phoenix, AZ 85013; 800/234-2269, 941/435-3737

Farsemente, Paco branco-Conceicao de Faro, Contribuinte nº 501 832 459, P-8000 Faro, PORTUGAL; +351 89816953, Fax +351 89832007

Fertrell Inc., PO Box 265, Bainbridge, PA 17502; 717/367-1566, Fax 717/367-9319

First Choice Manufacturing Ltd., 19402 56th Ave., Surrey, BC, CANADA V3S 6K4; 800/663-3162, 604/534-8626, Fax 604/534-8626

Flame Engineering Inc., PO Box 577, LaCrosse, KS 67548-0577; 800/255-2469, 785/222-2873, Fax 785/222-3619

FleaBusters/Rx for Fleas, 6555 Northwest 9th Ave., Ste. 412, Fort Lauderdale, FL 33309; 800/666-3532, 954/351-9244, Fax 954/351-9266

Flora Nutzlinge, Wulkowes Weg (Gartnerei), 15518 Hanglesberg, GERMANY; 033632/59363, Fax 033632/59364

Florikan, 1523 Edger Place, Sarasota, FL 34240; 941/377-8666, Fax 941/377-3633

Flowtron Outdoor Products, 2 Main Street, Melrose, MA 02176; 781/321-2300

Floyd Rogers, 22W 213 Glen Valley Dr., Glen Ellyn, IL 60137; 630/858-3538

Fly Master, 165 North Main Suite 201, Collierville, TN 38017; 800/359-4463

FMC Corporation (wholesale), 1735 Market St., Philadelphia, PA 19103; 800/321-1362, 609/951-3000

Foothill Agricultural Research (FAR), 510-1/2 Foothill Parkway, Corona, CA 92882; 909/371-0120, Fax 909/279-5150

Forestry Suppliers Inc., 205 W. Rankin St., Jackson, MS 39284; 800/647-5368, 601/354-3565, Fax 800/543-4203

Forevergreen Landscaping, 19974 12th Avenue,

Langley, BC, CANADA V2Z 1W3; 604/534-9326; Faax 604/530-7129

G

Gallagher Power Fence, PO Box 708900, San Antonio, TX 78270; 800/531-5908

Gardener's Supply Co., 128 Intervale Road, Burlington, VT 05401; 800/955-3370, Fax 800/551-6712

Gardens Alive!, 5100 Schenley Place, Lawrenceburg, IN 47025; 812/537-8650 or 812/537-8652, Fax 812/537-8660

Gardner Manufacturing, Horicon, WI 53032; 800/558-8890

Garlic Research Labs, 624 Ruberta Avenue, Glendale, CA 91201; 800/424-7990, 818/247-9600, Fax 818/247-9828

Garon Products Inc., PO Box 1924, Wall, NJ 07719-1924; 800/631-5380, 732/449-1776, Fax 732/449-6937

Garta, Postboks 1130, DK - 2650 Hvidovre, DEN-MARK; +45 36 49 11 44, Fax +45 36 49 15 58

Gartnerei Hatto Welte, Maurershorn 10, 7752 Insel Reichenau, Bodensee, GERMANY; 07534-7190, Fax 07534-1458

Gempler's Inc., 100 Countryside Dr.; PO Box 328, Belleville, WI 53508; 608/424-1544, Fax

608/424-1555

Gilbert Industries, Inc., 5611 Krueger Dr., Jonesboro, AR 72401; 800/643-0400, 870/932-6070, Fax 870/932-5609

Gloves in a Bottle, PO Box 615, Montrose, CA 91021; 800/600-1881, 818/248-9980, Fax 818/248-8991

Grain Processing Corporation, 1600 Oregon St., Muscatine, IA 52761; 319/264-4254, Fax 319/264-4289

Great Lakes IPM, 10220 Church Rd. NE, Vestaburg, MI 48891; 800/235-0285, 989/268-5693, Fax 989/268-5311

Green Light Company, PO Box 17985, San Antonio, TX 78217-0985; 210/494-3481, Fax 210/494-5224

Green Pro Services, 380 S. Franklin St., Hempstead, NY 11550; 800/645-6464, 516/538-6444, Fax 516/538-2042

Green Relieaf, 2100 Corporate Square Blvd., Suite 201, Jacksonville, FL 32216; 800/788-9886, 904/723-0002, Fax 904/723-5250

Green Spot, see The Green Spot

Green-Tek, Inc., 407 N. Main St., Edgerton, WI 53534; 800/747-6440, 608/884-9454, Fax 608/884-9459

Box B. Biobest Distributors

Agri-chem, 11 R. de Furdenheim, F67117 Quatzenheim, FRANCE

Agricola Biologica, Via Guglielmo Nicastro 22, I-97100 Ragusa, ITALY

Agricola Mas Viader, Mas Viader 7, 17244 Cassa de la Selva, Girona, SPAIN; +34/(9) 72 46 04 15, Fax +34/(9) 72 46 04 15

Agricultural Supply Jordan, PO Box 8345, Amman, JORDAN; +962 65 34 36 92, Fax +962 65 34 72 46

Agro MDT, Prostomaya St. 6, Moscow, RUSSIA

Anasac, Agricola Nacional, Almirante pastene 300, Providencia-Santiago, CHILE; +56 22352860, Fax +56 22358634

Andermatt Biocontrol, Unterdorf, 6146 Grossdettwil, SWITZERLAND; +41 62 917 5000, Fax +41 62 917 5001

Arpad, Apponyi Rcr 12, Pf. 22, 6601 Szentes, HUNGARY; +36/63 3 11 244, Fax +36/63 3 11 812

BCP Wye, Occupation Road, Wye, Near Ashford, Kent TN 25 5AH, ENGLAND; +44/1 233 81 32 40, Fax +44/1 233 81 33 83

Biobest Canada, 2020 Mersea Rd. #3, RR4, Township of Mersea, Leamington, Ontario, CANADA N8H 3V7; 519 /322-2178, Fax 519 /322-1271

Biogroei Natuurprodukten, Biezenstraat 10, B-3040 Loonbeek, BELGIUM

Biopartner, Ul. Kminoka 31, PL-62-064 Plewiska, POLAND; +48/618 67 10 71, Fax +48/618 67 10 71

Borregaard Bioplant, Helsing Forsgade 27 B, DK-8200 Aarhus N, DENMARK; +45/86 78 69 88, Fax +45/86 78 69 22

Casu gian Carmine, Az. Agr. San Giuseppe, 09012 Capoterra (CA), SardiniaITALY; +39/70 72 09 98, Fax +39/70 72 03 98

Clima Kontroll KB, Asvägen 95, SF-64220 Yttermark, FINLAND; +358/61 22 56 401, Fax +358/61 22 56 402

Comptoir Agricole Du Souss, Zone Industrielle (R. de Biougra), Agadir, MOROCCO; +212/8 24 74 10, Fax +212/8 24 74 15

Dana Trading, PO Box 4880, Abu Dhabi, UNITED ARAB EMIRATES; +9712393943, Fax +9712391394

Debbane Freres & Co., PO Box 11, 9666 Beirut, LEBANON; +961/921 18 00, Fax +961/921 17 97

Demetrios, 70 Papastratou St., Piraeus, GREECE; +3014619067, Fax +3014624625

Econova Garden, Box 90, S-616 21 Aby, SWEDEN

Hortimic OY (Ltd.), Apilakatu 8, Turku 20740, FINLAND; +358/21 254 2211, Fax +358/21 254 2582

International Technology Services, PO Box 75, Layfayette, CO 80026; 303/661-9546, Fax 303/661-9543

Katz Biotech Services, Industriestrasse 38, D-73642 Weizheim, GERMANY

Nic Sosef BV, Staionsweg 23, 2675 AM Honselersdijk, THE NETHERLANDS; +31/174 63 02 14, Fax +31/174 64 35 01

Oerlemans Agro Bv., L.J. Costerstraat 23, 5916 PR Venlo, THE NETHERLANDS; +31/773 54 26 42, Fax +31/773 54 74 52

Oerlemans Agro BV, Scheidingsstraat 38, 5154 AG Elshout-Drunen, THE NETHERLANDS; +31/416 372 433, Fax +31/416 377 930

P. Biocontrol, Celakovskoho 389/II, 389 01 Vodnany, CZECH REPUBLIC; +420 342 38 27 57, Fax +420 342 38 27 57

Plant Products USA, 6160 Riverside Dr., Suite 103, Dublin, OH 43017

Sardagricola SNC, Via Lucania 9, I-09013 Carbonia (CA), SardiniaITALY; +39/(0) 781 61 757, Fax +39/(0) 781 61 757

Shinwoo Corporation, 503 Inbang B/D 683 Dungchon-dong, Kangseo-ku, Seoul, KOREA; +82236622532, Fax +82236622533

Tokai Trading Co., Ltd., 4-42-1 Nagatocho, Nagoyashi Nakamura-ku Nagadoichou, 4-42-1 Nagoya, JAPAN; +81/52-451-3497, Fax +81/52-451-3498

Visser Opora Ltd., Stefan Botev St. 8B, BG 4000 Plovdiv, BULGARIA; +35932436708, Fax +35932440194

- Gross and James, Inc.**, PO Box 26113, Fenton, MO 63026; 314/343-8484
- Growing Solutions**, 160 Madison St., Eugene, OR; 888/600-9558, 541/33-8727, Fax 541/343-8374
- Gulf Coast Biological Controls**, 72 West Oak, Huntsville, TX 77340; 800/524-1958, 409/291-2302, Fax 409/291-0511
- Gustafson, Inc.**, 1400 Preston Rd. Suite 400, Plano, TX 75093; 800/248-6907, 972/985-8877, Fax 972/985-1696
- H**
- Hansen's Pet Systems**, PO Box 793, Huntington Beach, CA 92648; 800/HPS-5735, 714/846-7375, Fax 714/960-7879
- Happy Jack Co.**, PO Box 475, Hwy. 258 South, Snow Hill, NC 28580; 800/326-jack, 252/747-2911, Fax 252/747-4111
- Harantonis**, 58500 Skydra, Pelis, GREECE; +30 38183110, Fax +30 38183111
- Hardesty Organic Supply**, PO Box 751, Cottonwood, CA 96022-0751, Fax 650/325-5959
- Harmony Farm Supply**, 3244 Gravenstein Hwy. No. B, Sebastopol, CA 95472; 707/823-9125, Fax 707/823-1734
- Hawkesbury Integrated Pest Management**, PO Box 436, Richmond, NSW 2753, AUSTRALIA; 02 4570 1331, Fax 02 4570 1331
- Health Enterprises Inc.**, 90 George Levin Dr., N. Attleboro, MA 02760; 800/633-4243, Fax 508/695-3061
- Hedley Technologies Inc.**, 5160 Explorer Drive, Suite 20, Mississauga, ON, CANADA L4W 4T7; 888/476-4473, 905/206-0013, Fax 905/206-1413
- Heirloom Roses**, 24062 Riverside Dr. NE, St. Paul, OR 97137, Fax 503/538-5902
- Heitman Labs**, 6829 K Ave. Suite 112, Plano, TX 75074; 800/451-6539, 972/509-2400, Fax 972/509-2401
- Henley Chemical**, 199 Courtland Avenue, Concord, Ontario, Canada L4K 4T2; 416/661-1500
- Heron Environmental Products**, PO Box 435, Aberdeen Rd., Emigsville, PA 17318; 717/764-1192, Fax 717/767-1016
- Heritage Rosarium**, 211 Haviland Mill Rd., Brookville, MD 20833; 301/774-2806
- Heritage Rose Gardens**, 16831 Mitchell Creek Dr., Fort Bragg, CA 95437
- Hess & Clark, Inc.**, 7th and Orange Streets, Ashland, OH 44805; 800/992-3594, 800/356-7202
- Hockney Underwater Weed Cutter Co.**, PO Box 1000 / 913 Cogswell Dr., Silver Lake, WI 53170; 262/889-4581
- Hogil Pharmaceutical**, Two Manhattanville Road, Purchase, NY 10577-2118; 914/696-7600, Fax 914/696-4600
- Holderread's Waterfowl Farm & Preservation Center**, PO Box 492, Corvallis, OR 97339; 541/929-5338
- Hollister-Stier Labs**, PO Box 3145, Spokane, WA 99220-3145; 800/992-1120, Fax 509/484-4320
- Homax Products**, 840 West Horton Road, Bellingham, WA 98226-7621; 800/729-9029, 360/733-9029, Fax 360/647-1071
- Hortico Inc.**, RR 1, 723 Robson Rd., Waterdown, ON, CANADA L0R 2H1; 905/689-6984, Fax 905/689-3002
- Hot Foot America**, PO Box 1339, Sausalito, CA 94966; 800/533-8421, 415/789-5135, Fax 415/789-0564
- Hydro-Gardens, Inc.**, PO Box 25845, Colorado Springs, CO 80936; 800/634-6362, 719/495-2266, Fax 719/495-2266
- I**
- Idexx Inc.**, Idexx Drive, Westbrook, ME 04092; 800/321-0207, 408/745-0544, Fax 408/745-0243
- Igene (PMG) Biotechnology**, 9110 Red Branch Rd., Columbia, MD 21045; 337/623-4294
- Industrial Narcotic Discovery Systems, Inc.**, PO Box 130, Kenner, LA 70063; 504/466-9964
- Inman Hatcheries**, PO Box 616, Aberdeen, SD 57402-0616; 800/843-1962, 605/225-8122, Fax 605/225-4836
- Innovative Pest Products**, PO Box 880216, Boca Raton, FL 33488; 561/483-4997, Fax 561/488-0443
- Insects Limited**, 16950 Westfield Park Drive, Westfield, IN 46074-9374; 317/846-5444, Fax 317/846-9799
- Intagra/Necessary Organics**, 8906 Wentworth Ave S., Minneapolis, MN 55420; 800/468-2472, 952/881-5535, Fax 952/881-7002
- Integrated Biocontrol Systems**, PO Box 96, Aurora, IN 47001; 812/537-8674, Fax 812/537-8644
- International Technology Services**, PO Box 75, Lafayette, CO 80026; 303/661-9546, Fax 303/661-9543
- InterNet Inc.**, 7300 49th Ave. N., Minneapolis, MN 55428; 800/328-8456, Fax 612/971-0872
- Invitrogen**, 1600 Farraday Avenue, Carlsbad, CA 92008; 800/828-6686; 800/955-6288
- IPM Laboratories Inc.**, PO Box 300, Locke, NY 13092-0300; 315/497-2063, Fax 315/497-3129
- Ivar Labs**, 625 Marina Vista Avenue, Martinez, CA 94553; 925/372-6966, Fax 925/372-6966
- J**
- Jack and the Beanstalk**, Kou 2779-71 Moriya, Moriya-Machi Kitsoma-Gun, Ibaragi 302-01, JAPAN; 0297-45-2838, Fax 0297-45-2838
- Jackson and Perkins**, PO Box 1028, Medford, OR 97501
- Jade Mountain**, PO Box 4616, Boulder, CO 80306; 800/442-1972, 303/449-6601
- JH Biotech Inc.**, 4951 Olivas Park Dr., Ventura, CA 93003; 805/650-8933, Fax 805/650-8942
- Jim Simmons**, 952 Main St., Nashville, TN 37206; 615/228-4931, Fax 615/226-4996
- J.L. Hudson**, Star Route 2, Box 337, La Honda, CA 94020
- J.M. Malone & Son Enterprises**, PO Box 158, Lonoke, AR 72086; 501/676-2800, Fax 501/676-2910
- JMS Flower Farms**, 1105 25th Avenue, Vero Beach, FL 32960; 561/567-9241, Fax 561/567-9394
- Johnny's Selected Seeds**, 184 Foss Hill Rd., Albion, ME 04910; 207/437-4301, Fax 800/738-6314; 207/437-2165
- J. Reilly**, 5000 Trenton St., Metairie, LA 70006; 504/887-3666
- JT Eaton & Company, Inc.**, 1393 E. Highland Rd., Twinsburg, OH 44087; 800/321-3421, 216/425-7801, Fax 216/425-8353
- K**
- Kemira Oy/Kemira Biotech**, Porkkalankatu 3, PO Box 330, 00101 Helsinki, FINLAND; 011-358-10-8611511, Fax 011-358-10-862-1384
- Kenenco Manufacturing**, 1105 3rd St. NE, Ruskin, FL 33570; 813/645-2591
- Keo Fish Farms, Inc.**, PO Box 166, Keo, AR 72083; 501/842-2872, Fax 501/842-2156
- Kinzua Environmental Inc.**, 1176 E. 38th St., Cleveland, OH 44114; 800/233-5079, 216/881-4040, Fax 216/881-8968
- Koppert B.V.**, Veilingweg 17 PO Box 155, 2650 AD Berkel en Rodenrijs, THE NETHERLANDS; 010-514 04 44, Fax 010-511 52 03
- Koppert United Kingdom**, Homefield Road, Haverhill, Suffolk CB9 8QP, United Kingdom; 44 1440704488, Fax 44 1440704487
- Koppert USA**, 28465 Beverley Rd., Romulus, MI 48174; 734/641-3763, Fax 734/641-3793
- Kuida Ag Supply Co.**, PO Box 2598, Salinas, CA 93902; 831/758-9914, Fax 831/758-9933
- Kunafin Trichogramma Insectaries**, Rte. 1 Box 39, Quemado, TX 78877; 800/832-1113, 830/757-1181, Fax 830/757-1468
- KWS**, Postfach 146, 37555 Einbeck, GERMANY; 05561-311531, Fax 05561-311544
- L**
- Lab Safety Supply**, PO Box 1368, Janesville, WI 53547-1368; 800/356-0783, 800/356-2501, Fax 800/543-9910
- Ladd Research Industries Inc.**, 83 Holly Court, Williston, VT 05495; 800/451-3406, 802/658-4951, Fax 802/660-8859
- Ladybug Company**, see The Ladybug Company
- Ladybug Farms**, PO Box 186, North Highlands, CA 95660; 916/348-1917, Fax 916/339-1927
- Lane Inc.**, 1601 13th Ave, Charles City, IA 50616; 800/457-5013
- Lipha Tech**, 3600 W. Elm St., Milwaukee, WI 53209; 800/558-1003, 414/351-1476, Fax 414/351-1847
- Live Oak Structural**, 801 Camelia St., Suite B, Berkeley, CA 94710; 510/524-7101
- Lofts Seed Co.**, 9327 US Route 1, Suite J, Laurel, MD 27114; 800/732-3332
- Lohse Mill**, 7752 County Rd. 29, Glenn, CA 95943; 530/934-2157, Fax 530/934-9106
- Lok-n-Logs**, PO Box 677, Route 12 South, Sherburne, NY 13460; 800/343-8928
- Looker, Inc.**, PO Box 29, Milford, IL 60953; 815/889-5555, Fax 815/889-5550
- Louisiana Pacific (suppressive mix)**, 111 SW 5th Ave., Portland, OR 97204; 800/648-6893
- Louisiana Pacific (treated lumber)**, 10115 Kincey Ave. Suite 150, Huntersville, NC 28078; 800/580-4296, 704/875-2131, Fax 704/875-1680
- Loveland Industries**, PO Box 1289, Greeley, CO 80632; 800/356-8920
- Lowe's Own**, 6 Sheffield Road, Nashua, NH 03262
- M**
- Makhteshim-Agan**, PO Box 60 Industrial, 84100 Beer-Sheva, ISRAEL; 212/661-9800; 972-7296611, Fax 972-7-280304/364
- Manning Agricultural Center**, 619 Julia St., Manning, IA 51455; 800/248-4409, Fax 712/655-2981
- Margo Horticultural Supplies, Ltd.**, PO Box 5400, High River, Alberta, CANADA T1V 1M5; 403/652-1932, Fax 403/652-3511
- Market VI**, 6613 Haskins, Shawnee, KS 66216; 913/268-7504, Fax 913/268-2694
- Martin Grima**, Ghajn Astas, St. Paul's Bay, MALTA SPB 07; +356 574474, Fax +356 583087
- Martin-Nicholls Inc.**, 4910 E 345th St., Willoughby, OH 44094; 800/876-1312, 440/951-1312, Fax 440/951-1315
- Masune**, 500 Fillmore Avenue, Tonawanda, NY 14150; 716/695-4999, Fax 800/222-1934
- McCluney Manufacturing Inc.**, 28 Morehouse Dr., La Selva Beach, CA 95076; 831/689-9502
- Mellinger's**, 2310 W. South Range Rd., North Lima, OH 44452; 800/321-7444, 330/549-9861, Fax 330/549-3716
- Merial (Aventis)**, Duluth, GA 08830; 888/merial-1, 732/855-3800, Fax 732/855-9366
- Micro Brew**, 182 Capital Lane, Roseburg, OR 97470; www.mircobrewer.com
- Microcide Ltd.**, Shepherds Grove, Stanton, Bury St. Edmunds, Suffolk, UK IP31 2AR; 01359 251077, Fax 01359 251545
- MicroFlo Co.**, PO Box 772099, Memphis, TN 38117; 800/451-8461; 800/642-7635 in CA, 901/432-5000, Fax 901/432-5100
- Mikro-tek Labs**, PO Box 2120, Timmons, Ontario, CANADA P4N 7X8; 705/268-3536, Fax

- 705/268-7411
Miller Bee Supply, 1156 N. Carolina Hwy 16,
 Miller's Creek, NC 28651; 336/667-7513, Fax
 910/921-2681
Miller Chemical & Fertilizer Corp., PO Box 333,
 Hanover, PA 17331; 800/233-2040, 717/632-
 8921; 717/632-4581
Mipco Ag Plastics, PO Box 3156, San Luis Obispo,
 CA 93403; 805/549-9540, Fax 805/549-0384
Mole-Med, 515 Main Street, Lawrenceburg, IN
 47025; 800/255-2527, 812/537-4464, Fax
 812/537-9750
Monterey Lawn & Garden Products Inc., 3654 S
 Willow Avenue, PO Box 35000, Fresno, CA
 93745; 559/499-2100, Fax 559/499-1015
Morris Farms & Hatcheries, Inc., 18370 SW 232nd
 St., Goulds, FL 33170; 305/248-5589
M & R Durango Inc., PO Box 886, Bayfield, CO
 81122; 800/526-4075, 970/259-3521, Fax
 970/259-3857
Murray McMurray Hatchery, 191 Close Drive,
 Webster City, IA 50595-0458; 800/456-3280,
 515/832-3280, Fax 515/832-2213
Mycorrhizal Applications Inc., PO Box 1181, Grants
 Pass, OR 97528; 541/476-3985, Fax 541/476-
 1581
N
Nabat Agricultural, PO Box 926160, Amman 11110,
 JORDAN; +962 5815813, Fax +962 6815813
National Netting Inc., 202 Tree Trail Parkway,
 Norcross, GA 30093; 800/233-7896, 770/925-
 8811, Fax 770/925-3420
National Pediculosis Association, PO Box 610189,
 Newton, MA 02161-0189; 800/446-4672;
 888/542-3634, 781/449-6487, Fax 781/449-8129
Natural Animal Health Products, 7000 US 1 North,
 St. Augustine, FL 32095; 800/274-7387,
 904/824-5884, Fax 904/824-5100
Natural Colored Wool Growers' Assoc., 3012 Sutton
 Rd., Lapeer, MI 48446; 810/797-4155, Fax
 810/797-4155
Natural Enemy Rearing Center, Guangdong
 Academy of Agricultural Sciences, Guangzhou,
 Wushan, P.R. China 510640; 86 020 85797447,
 Fax 86 020 85268070
Natural Fertilizer (Sustane), 310 Holiday Avenue,
 PO Box 19, Cannon Falls, MN 55009; 800/352-
 9245, 507/263-3003, Fax 507/263-3029
Natural Gardening, see The Natural Gardening
Natural Insect Control, RR#2, Stevensville, ON,
 CANADA L0S 1S0; 905/382-2904, Fax
 905/382-4418
Natural Insecto Products, Inc., PO Box 12138, Costa
 Mesa, CA 92627; 800/332-2002, 949/548-4275,
 Fax 949/548-4576
Natural Pest Control Ltd., Yapton Road, Barnham,
 Bognor Regis, West Sussex, UNITED KING-
 DOM PO22 OBQ; Yapton (0243) 553250, Fax
 0243 552879
Natural Pest Controls, 8864 Little Creek Dr.,
 Orangevale, CA 95662; 800/873-1252, 916/726-
 0855, Fax 916/726-0855
Natural Plant Protection, Route d'Artix B.P. 80,
 6450 Nogueres, FRANCE; 33-59-84-10-45, Fax
 33-59-84-89-55
Nature House Inc., Purple Martin Junction,
 Griggsville, IL 62340; 800/255-2692, 217/833-
 2393, Fax 217/833-2123
Nature's Control, PO Box 35, Medford, OR 97501;
 800/698-6250, 541/245-6033, Fax 541/899-9121
**Necessary Organics (wholesale only) see Intagra for
 distribution**, PO Box 305, New Castle, VA
 24127; 800/447-5354, 952/881-5535, Fax
 952/881-7002
Nematec, PO Box 3324, San Ramon, CA 94583;
 925/735-8800
Neogen Corp., 620 Lesher Place, Lansing, MI 48912;
 800/234-5333, 517/372-9200, Fax 517/372-0108
New BioProducts Inc., 2166 NW Fritz Place,
 Corvallis, OR 97330; 541/752-2045, Fax
 541/754-3968
New Era Farm Service, 23004 Rd. 140, Tulare, CA
 93274; 559/686-3833, Fax 559/686-1453
New Tribe, 5517 Riverbanks Rd., Grants Pass, OR
 97527; 541/476-9492, Fax 541/476-5804
Nichols Garden Nursery, 1190 Old Salem Rd. NE,
 Albany, OR 97321-4580; 541/928-9280, Fax
 541/967-8406
Nichols Net & Twine Co., 2200 Hwy 111, Granite
 City, IL 62040; 800/878-6387, 618/797-0211,
 Fax 618/797-0212
NISUS Corp., 215 Dunavant Dr., Rockford, TN
 37853; 800/264-0870, 423/577-6119, Fax
 423/577-5825
- Nitron Industries Inc.**, PO Box 1447, Fayetteville,
 AR 72702; 800/835-0123, 501/587-1777, Fax
 501/587-0177
Nixalite of America, PO Box 727, E. Moline, IL
 61244; 800/624-1189, 309/755-8771, Fax
 309/755-0077
North Bradford Enterprises, 1204 Main Rd. Box
 364, Bradford, ME 04410; 207/327-1237
North Country Organics, PO Box 372, Bradford, VT
 05033; 802/222-4277, Fax 802/222-9661
Northeast Organics, Box 7, Beaver Dam Road,
 Manchester-by-the-Sea, MA 01944; 800/924-
 7347, 978/526-7888, Fax 978/526-9818
NPIRS User Services, CERIS, 1231 Cumberland
 Ave., Ste. A, W. Lafayette, IN 47906-1317;
 765/494-6614, Fax 765/494-9727
O
Oakfield Apparatus Inc., PO Box 65, Oakfield, WI
- ## Box C. Koppert Distributors
- Agrofresas S.A.**, Chalet El Pozuelo, Ctra. Rábida -
 Moguer, Apartado de Correos 71, E-21800
 Moguer (Huelva), SPAIN; +34959372443, Fax
 +34959371300
Autrosaat A.G., Postfach 40, A-1232 Wien, AUSTRIA;
 43 18167023, Fax 43 16163965
BayWa A.G., Postfach 328, D-97318 Kitzingen,
 GERMANY; +49 9321700749, Fax +49
 9321700745
Bio-Bee Sde Eliyahu-BCI, Kibbutz Sde Eliyahu,
 D.N. Beit Shean 10810, ISRAEL; +972-6-
 6580905, Fax +972-6-6580909
DDS, U1 11 Oktomvir, BR/115/B/9, 91000 Skopje,
 Macedonia; 389 91236632, Fax 389 91237454
Dea-Chi Ind. Co., 3rd Floor, Sung-Kwang B/D, 456-
 13, Sung-Nae-Dong, Kang-Dong-Ku,
 SeoulKOREA; +82 24866316, Fax +82
 24866318
Eurotrac Ltd., 56/5 Horton Place, Colombo 7, SRI
 LANKA; +941 698245, Fax +941 684345
Fa. Wilhelm, Neue Heimat 25, D-74343 Sachsenheim
 4, GERMANY; +49 70462386, Fax +49
 704612198
Garta, Postboks 1130, DK - 2650 Hvidovre, DEN-
 MARK; +45 36 49 11 44, Fax +45 36 49 15 58
Geereking Handels Gesellschaft GmbH, Curslacker
 Deich 194 a, D-21039 Hamburg, GERMANY;
 +49 407232015, Fax +49 407232014
Gröduryörur sf., Sölufélag Gardyrkjumanna, PO
 Box 9260, IS-129 Reykjavik, ICELAND; +354
 143211, Fax +354 866514
Harantonis, 58500 Skydra, Pelis, GREECE; +30
 38183110, Fax +30 38183111
Hatto Welte, Mauershorn 10, D-78479 Insel
 Reichenau, Germany; 49 75347190, Fax 49
 75341458
H & T BioProtect BT, Kiss János 54, H-2500
 Esztergom, HUNGARY; +36-33413240, Fax
 +36-33813240
Koppert Canada Ltd., 50 Ironside Crescent, Unit 2,
 Scarborough, Ont.CANADA M1X 1G4;
 519/259-6972, Fax 519/322-0426
Koppert France SARL, Lot. Ind. du Puits des
 Gavottes, 147 Avenue des Banquets, F-84300
 Cavaillon, FRANCE; +33 90783013, Fax +33
 90782598
Koppert Italia, Via Don Giovanni Bosco, 6/B, I-
 37060 Lugagnano di Sona, ITALY; +39
 458680695, Fax +39 458680695
Koppert Sistemas, Finca Labradorcito del Medio,
 Apdo, correos 286, 30880 Aguilas (Murcia),
 SPAIN; +34 968493078, Fax +34 968493086
- Koppert United Kingdom**, Homefield Road,
 Haverhill, Suffolk CB9 8QP, United Kingdom;
 44 1440704488, Fax 44 1440704487
Koppert USA, 28465 Beverley Rd., Romulus, MI
 48174; 734/641-3763, Fax 734/641-3793
L.O.G., Boks 141, økern, N-0509 Oslo, NORWAY;
 +47 22643360, Fax +47 22630636
Leu + Gygax AG, Fellstrasse 1, Postfach 30, CH -
 5413 Birmenstorf AG, SWITZERLAND; +41
 562251515, Fax +41 562252515
Martin Grima, Ghajn Astas, St. Paul's Bay, MALTA
 SPB 07; +356 574474, Fax +356 583087
Mertens B.V., Handelstraat 6, 5961 PV Horst,
 Postbus 6128, 5960 AC Horst, The Netherlands;
 077-3999111, Fax 077-3999199
Merulin Garten, Karl-Arnold-Strasse 25, D-47638
 Straelen, GERMANY; +49 28349190, Fax +49
 2834919210
Nabat Agricultural, PO Box 926160, Amman 11110,
 JORDAN; +962 5815813, Fax +962 6815813
Neoquímica, Av. Defensores de Chaves 35-6, 1000
 Lisbon, PORTUGAL; +3511-548417, Fax
 +3511-3560230
Olcosa, La Moura 38, 15010 La Coruña, SPAIN;
 +34981-253928, Fax +34981-267349
Oy Schetelig AB, Martinkyläntie 52, SF - 01720
 Vantaa, FINLAND; +358-9852061, Fax +358-
 98843839
Schetelig EV, Mustamäe Tee 60, 12916 Tallinn,
 Finland; 372 6562770, Fax 372 6562878
Spyros Stavrinides Chemicals Ltd., PO Box 21278,
 Nicosia 1505, CYPRUS; +357 2756984, Fax
 +357 2756902
Stan Brouard Ltd., PO Box 383, Landes du Marche,
 Vale, Guernsey, CHANNEL ISLANDS; +44
 14815251, Fax +44 148156556
Svenska Predator AB, Knut Pals Vag 8, Box 14017,
 S-250 14 Helsingborg, SWEDEN; +46
 42201130, Fax +46 42200905
Tomagro International, PO Box 30195, 3001 DD
 Rotterdam, NETHERLANDS; 10 405 23 00,
 Fax 10 405 51 06
Tomen Corporation, 8-1, Marunouchi, 3-Chome,
 Chiyoda-ku, JAPAN; +81 352882111, Fax +81
 352889092
Unifruco Ltd., PO Box 505, Bellville 7535, REPUB-
 LIC OF SOUTH AFRICA; +27 219461066, Fax
 +27 219461967
Zonda Resources Ltd., 403 Alexandra St., Hastings
 4201, NEW ZEALAND; +64 68786010, Fax
 +64 68762132

- 53065; 920/583-4114, Fax 920/583-4166
- Oliver Products Co.**, 445 Sixth St. NW, Grand Rapids, MI 49504; 800/253-3893, 616/456-7711, Fax 616/456-5820
- Olson Products Inc.**, PO Box 1043, Medina, OH 44258; 330/723-3210, Fax 330/723-9977
- O.M. Scott & Sons**, 14111 Scotts Lawn Rd., Marysville, OH 43041; 800/543-0006, 937/644-0011, Fax 937/644-7509
- Onset Computer Corporation**, 470 MacArthur Blvd., Bourne, MA 02532; 800/564-4377, 508/759-9500, Fax 508/759-9100
- Orange Guard**, 20 Village Square, Suite 7, Carmel Valley, CA 93924; 888/659-3217, Fax 831/659-5128
- Organic Control Inc. (Orcon)**, 5132 Venice Blvd., Los Angeles, CA 90019; 323/937-7444, Fax 323/937-0123
- Organic Solutions**, 8745 Grissom Rd. #197, San Antonio, TX 78251; 800/862-7482, 210/688-3779, Fax 210/688-9340
- Osmose Corporation**, PO Box O, Griffin, GA 30224; 800/241-0240, 770/228-8434
- P**
- Pacific Biocontrol Corp. (Biocontrol Ltd.)**, 14615 NE 13th Court, Suite A, Vancouver, WA 98685-1451; 360/571-2247, Fax 360/571-2248
- Pacific Coast Seed**, 6144A Industrial Way, Livermore, CA 94550; 925/373-4417, Fax 925/373-6855
- Paragon Professional Products**, 3635 Knight Rd., Suite 7, Memphis, TN 38118; 800/238-9254
- Park Seed Co.**, 1 Parkton Avenue, Greenwood, SC 29647; 864/223-7333
- Parker Pest Control Inc.**, 3616 E. Lake Rd., Ponca City, OK 74604; 800/654-4541, Fax 580/765-4613
- Paygro Co.**, PO Box W, S. Charleston, OH 45368; 937/462-8358, Fax 937/462-7180
- PBI/Gordon Corp.**, PO Box 014090, Kansas City, MO 64101; 800/821-7925, 816/421-4070, Fax 816/474-0462
- Peaceful Valley Farm Supply**, PO Box 2209, 110 Springhill Blvd., Grass Valley, CA 95945; 530/272-4769, Fax 530/272-4794
- Penny Newman Grain Company**, 1201 S. River Road, West Sacramento, CA 95691; 916/373-7450, Fax 916/373-7456
- Perma-Chink Systems**, 1605 Prosser Rd., Knoxville, TN 37914; 800/548-3554, Fax 423/523-9475
- Perma-guard, Inc.**, 115 Rio Bravo SE, Albuquerque, NM 87105; 505/873-3061, Fax 505/873-3261
- Pfizer, Inc.**, 235 East 42nd St, New York, NY 10017; 212/573-2323, Fax 800/573-7851
- Phero Tech Inc.**, 7572 Progress Way, Delta, BC, CANADA V4G 1E9; 604/940-9944, Fax 604/940-9433
- Philom Bios**, 318-111 Research Drive, Saskatoon, Saskatchewan, CANADA S7N 2X8; 306/668-8220, Fax 306/975-1215
- Planet Natural**, 1612 Gold Ave., Bozeman, MT 59715; 800/289-6656, 406/587-5891, Fax 406/587-0223
- Plant Health Care**, 440 William Pitt Way, Pittsburgh, PA 15238; 800/421-9051, 412/826-5488, Fax 412/826-5445
- Plant Health Technologies**, 2563 E. Bergenson St., Boise, ID 83706; 208/389-7265, Fax 208/338-7816
- Plant Revolution Inc.**, 592 W. Explorer St., Brea, CA 92821; 714/990-8172, Fax 714/672-0184
- Plant Sciences Inc.**, 342 Green Valley Rd., Watsonville, CA 95076; 831/728-7771, Fax 831/728-4967
- Plow & Hearth**, Route 230, P.O. Box 5000, Madison, VA 22727-1500; 800/627-1712, 540/948-2272, Fax 800/843-2509
- PNE**, 34555-C Mills Road, North Ridgeville, OH 44039-1844; 440/327-2930; Fax 440/327-4194
- Pole Care**, PO Box 1330, Harrisburg, NC 28075; 800/355-6615, 704/455-1940
- Poulan Weed Eater**, PO Box 91329, Shreveport, LA 71149-9329; 800/554-6723, 318/687-0100
- Praxis**, 2723 116th Ave., Allegan, MI 49010; 616/673-2793, Fax 616/673-2793
- Precision Laboratories Inc.**, PO Box 127, Northbrook, IL 60065; 800/323-6280, 847/498-0800, Fax 847/498-1176
- Premier Enterprises**, 2806 Oakhurst Drive, Los Angeles, CA 90034; 800/776-1889, Fax 310/837-9867
- Pristine Products**, 2311 E. Indian School Rd., Phoenix, AZ 85016; 800/266-4968, 602/955-7031, Fax 602/955-1812
- Professional Equipment**, 90 Plant Avenue, Suite 3, Hauppauge, NY 11786; 800/334-9291, Fax 888/776-3187
- Pro-Team**, PO Box 520125, Salt Lake City, UT 84152; 888/893-3583, 801/487-0417, Fax 866/866-5152
- Purity Products**, 4 Maxwell Ct., Santa Rosa, CA 95401; 707/546-2585, Fax 707/546-7637
- R**
- Reed-Joseph International Co.**, PO Box 894, 800 Main St., Greenville, MS 38701; 800/647-5554, 662/335-5822, Fax 662/335-8850
- REI**, PO Box 1938, Sumner, WA 98390-0800; 800/426-4840, 253/395-3780, Fax 253/395-4368
- RF Inter-Science Co.**, PO Box 445, Coram, NY 11727; 631/698-4799, Fax 631/698-4988
- Richmond Fisheries**, 8609 Clark Rd., Richmond, IL 60071; 815/675-6545, Fax 815/675-6545
- Richway Industries**, PO Box 508, 504 N. Maple, Janesville, IA 50647; 800/553-2404, 319/987-2224, Fax 319/987-2251
- Rincon-Vitova Insectaries Inc.**, PO Box 1555, Ventura, CA 93002; 800/248-2847, 805/643-5407, Fax 805/643-6267
- Rohde's Services**, 1651 Wall Street, Garland, TX 75041; 972/864-1934, Fax 972/864-0128
- Rohm and Haas**, 100 Independence Mall West, Philadelphia, PA 19106; 215/592-3000
- Roots Inc.**, 25 Science Park Suite 205, New Haven, CT 06511; 800/342-6173, 203/786-5295, Fax 203/786-5065
- Rose Catalog**, PO 677, Manua, OH 44255
- Roxide International Inc.**, PO Box 249, New Rochelle, NY 10802; 800/431-5500, 914/235-5300, Fax 914/235-5328
- Roy O. Martin Lumber**, PO Box 1110, Alexandria, LA 71309; 318/445-1973
- S**
- Safe Earth Lawn and Gardens**, 900 52nd St., W. Des Moines, IA 50265; 515/222-1997
- Safe Effective Alternatives**, PO Box 528, Belleville, IL 62222-0528; 877/730-2727, Fax 618/236-2826
- Safeguard Products**, PO Box 8, New Holland, PA 17557; 800/433-1819, Fax 717/355-2505
- San Jacinto Environmental Supplies**, 2221-A West 34th, Houston, TX 77018; 713/957-0909, Fax 713/957-0707
- San Luis Video Publishing**, PO Box 6715, Los Osos, CA 93412; 805/528-8322, Fax 805/528-7227
- Santa Cruz Horticultural Supply**, PO Box 1534, Morro Bay, CA 93443; 805/772-8262, Fax 805/772-8262
- Sashco Sealants**, 10300 E. 107th Pl., Brighton, CO 80601; 800/767-5656, Fax 303/286-0400
- Saskatoon Boiler Manufacturing**, Saskatoon, Saskatchewan CANADA; 306/652-7022
- Sautter & Stepper**, Rosenstr. 19, 72119 Ammerbuch, Altingen, GERMANY; 07032-957830, Fax 07032-957850
- Sawyer Products**, PO Box 188, Safety Harbor, FL 34695; 800/9404464
- Scentry Biologicals**, 610 Central Avenue, Billings, MT 59102; 800/735-5323, 406/248-5856, Fax 406/245-2790
- Scenturion Inc.**, PO Box 585, 8754 SR 525 #1, Clinton, WA 98236; 360/341-3989, Fax 360/341-3242
- S.C. Johnson**, 1525 Howe St., Racine, WI 53403; 262/260-2000
- Seabright Laboratories**, PO Box 8647, Emeryville, CA 94662; 800/284-7363, 510/655-3126, Fax 510/654-7982
- Security Products**, PO Box 34820, Phoenix, AZ 85067; 888/241-9547, 602/285-1660, Fax 602/285-1803
- Senoret Chemical Co.**, 566 Leffingwell Ave., Kirkwood, MO 63122; 314/966-2394
- Sespe Creek Insectary**, PO Box 176, Lindsay, CA 93247; 559/562-6464, Fax 559/562-5565
- Shepherd's Garden Seeds**, 30 Irene St., Torrington, CT 06790; 860/482-3638, Fax 860/482-0532
- Sigma Chemical Co.**, PO Box 14508, St. Louis, MO 63178; 800/325-3010, 314/771-5750, Fax 800/325-5052
- Silver Lake Research**, PO Box 686, Monrovia, CA 91017; 888/438-1942, Fax 626/359-6601
- Sioux Steam Cleaner Corp.**, One Sioux Plaza, Beresford, SD 57004; 605/763-3333, Fax 605/763-3334
- S & J Ranch**, PO Box 3347, Pinedale, CA 93650; 559/439-2598, Fax 559/435-8067
- Smith & Hawken**, 2 Arbor Lane, PO Box 6900, Florence, KY 41022; 800/776-3336, 02 4570 1331, Fax 02 4570 1331
- Soil Foodweb Inc.**, 1128 NE 2nd St. Suite 120, Corvallis, OR 97330; 541/752-5066, Fax 541/752-5142
- SoilSoup**, Seattle, WA; 877/711-7687, www.soilsoup.com
- Soil Technologies**, 2103 185th Street, Fairfield, IA 52556; 800/221-7645, 641/472-3963, Fax 641/472-6189
- Southern Importers, Inc.**, PO Box 8579, Greensboro, NC 27419; 800/334-9658, 336/292-4521, Fax 336/852-6397
- Spalding Laboratories**, 760 Printz Rd., Arroyo Grande, CA 93420; 800/845-2847, Fax 805/489-0336
- Specialty Products**, 977 Waterman Ave., East Providence, RI 02914; 800/556-3484, 401/434-1680, Fax 401/431-0237
- Spectrum Industries**, 8825 Page Blvd., St. Louis, MO 63114; 800/242-1166; 888/kill-termites
- Spray-N-Grow**, 20 Hwy 35 South, Rockport, TX 78382; 800/288-6505
- Springstar**, PO Box 2622, Woodinville, WA 98072; 800/769-1043, 425/487-6011, Fax 425/487-4360
- Sterling International, Inc.**, E. 15916 Sprague Ave., Veradale, WA 99037; 800/666-6766, 509/926-6766, Fax 509/928-7313
- St. Gabriel Laboratories**, 14540 John Marshall Highway, Gainesville, VA 20155; 800/801-0061, 703/754-3823, Fax 703/754-8078
- Stoller Enterprises, Inc.**, 8580 Katy Freeway, Suite 200, Houston, TX 77024; 800/539-5283, 713/464-5580, Fax 713/461-4467
- Streamlight Inc.**, 30 Eagleville Road, Eagleville, PA 19403; 800/523-7488, 610/631-0600, Fax 610/631-0712
- Strieter Corp.**, 2100 18th Ave., Ste. 1, Rock Island, IL 61201; 309/794-9800, Fax 309/788-5646

- Stromberg's Chicks & Game Birds Unlimited**, Box 400, Pine River, MN 56474; 218/587-2222, Fax 218/587-4230
- Summit Chemical Co.**, 7657 Canton Center Dr., Baltimore, MD 21224-2079; 800/227-8664, 410/282-5200, Fax 410/282-7963
- Sun-Gro Horticultural**, 841 Sun-Gro Drive, Elizabeth City, NC 27909; 800/334-3311, 252/338-5128
- Sun Oil Company**, 1801 Market Street, Philadelphia, PA 19103; 800/345-1142
- Survivair**, 3001 S. Susan St., Santa Ana, CA 92704; 714/545-0410, Fax 800/201-4407
- Suterra**, 213 SW Columbia St., Bend, OR 97702-1013; 800/367-8727, 541/388-3688, Fax 541/388-3705
- Sutton Ag Enterprises**, 746 Vertin Ave., Salinas, CA 93901; 831/422-9693, Fax 831/422-4201
- Sweetbriar Development, Inc.**, 151 Silliman Road, Watsonville, CA 95076; 831/722-5577, Fax 831/722-0191
- Syngenta**, PO Box 18300, Greensborough, NC 27419-8300; 800/334-9481, 336/632-6000, Fax 336/632-2192
- Syngenta BioLine USA**, PO Box 2430, Oxnard, CA 93034-2430; 805/986-8265, Fax 805/986-8267
- Syngenta BioLine UK**, Aldham Business Centre, New Road, Aldham, Colchester, Essex, UNITED KINGDOM CO6 3PN; +44 (0) 1206 243200, Fax +44 (0) 1206 243209
- T**
- Tallon Termite Pest Control**, 740 Whitney, San Leandro, CA 94577; 800/809-2653, 510/633-1774, Fax 510/633-1456
- Tanglefoot Co.**, 314 Straight Ave. SW, Grand Rapids, MI 49504; 616/459-4139, Fax 616/459-4140
- Target Specialty Products**, 1155 Mabury Rd., San Jose, CA 95133-1029; 800/767-0719, 408/293-6032, Fax 408/287-2004
- Tenax Corp.**, 4800 E. Monument St., Baltimore, MD 21205; 800/356-8495, 410/522-7000, Fax 410/522-7015
- Tender Corporation**, PO Box 290 Littleton Industrial Park, Littleton, NH 03561; 800/258-4696, 603/444-5464, Fax 603/444-6735
- Termi-Mesh (Hawaii)**, 1406 Colburn St. Suite 201C, Honolulu, HI 96817; 808/843-1968, Fax 808/843-0100
- Termi-Mesh USA**, 17101 Kuykendahl Road #270, Houston, TX 77068-1600; 832/249-0556, Fax 832/249-6621
- Terminix**, 860 Ridge Lake Blvd., Memphis, TN 38120; 901/766-1105
- The Aerogen Co. Ltd.**, Newman Lane, Alton, Hampshire, ENGLAND GU3 42Q; 44-1420-83744, Fax 44-1420-80032
- The Bug Factory**, 1636 East Island Hwy, Nanoose Bay, BC, CANADA V9P 9A5; 877/930-2847, 250/468-7912, Fax 250/468-7900
- The Bug Store**, 113 West Argonne, St. Louis, MO 63122; 800/455-2847, 314/966-2287, Fax 314/966-4644
- The Bushwhacker Assoc.**, PO Box 345, Rancho Mirage, CA 92270; 800/422-2687, 760/346-3019
- The Ecology Works**, PO Box 9067, San Rafael, CA 94912; 888/353-2649, Fax 415/459-3924
- The Green Spot, Ltd.**, Dept. of Bio-Ingenuity; 93 Priest Rd., Nottingham, NH 03290; 603/942-8925, Fax 603/942-8932
- The Ladybug Company**, PO Box 329, Berry Creek, CA 95916; 530/589-5227
- The Natural Gardening Co.**, PO Box 750776, Petaluma, CA 94975-0776; 707/766-9303, Fax 707/766-9747
- Thermo Lignum UK Ltd.**, Unit 19, Grand Union Centre, West Row, London W10 5AS, UNITED KINGDOM; Fax +44-208 964 2969
- Ticab AB Sweden**, PO Box 90, 61621 Aby, SWE-DEN; +4640460257, Fax +461160170
- Tipper Tie-Net**, PO Box 520, West Chicago, IL 60186-0520; 800/736-0990, 630/293-3737, Fax 630/231-0353
- Tomagro International**, PO Box 30195, 3001 DD Rotterdam, NETHERLANDS; 10 405 23 00, Fax 10 405 51 06
- Tomahawk Traps and Equipment**, PO Box 302, Tomahawk, WI 54487; 800/272-8727 (ordering only), 715/453-3550, Fax 715/453-4326
- Topp Portable Air**, 12 Crozerville Rd., Aston, PA 19014; 800/892-8677, Fax 610/459-3822
- TopPro Specialties**, 530 Oak Court Drive, Memphis, 38117; 800/451-8461, 770/567-5566
- TPE Associates/Thermapure**, PO Box 261811, San Diego, CA 92196-1811; 800/873-2912, 858/408-0470, Fax 858/408-0472
- Trapper Jack**, PO Box 402, Watertown, SD 57201; 800/423-3396, Fax 626/281-0941
- Trécé Inc.**, PO Box 6278, Salinas, CA 93912; 831/758-0205; 831/758-0204, Fax 831/758-2625
- TriCal Biosystems**, PO Box 1327, Hollister, CA 95024; 831/637-0195, Fax 831/637-0273
- Troy Biosciences, Inc.**, 113 S. 47th Avenue, Phoenix, AZ 85043; 800/448-2843, 602/233-9047, Fax 602/272-4155
- Turf Seed Inc.**, PO Box 250, Hubbard, OR 97032; 503/651-2130, Fax 503/651-2351
- U**
- University of California Statewide IPM Project**, University of California, Davis, CA 95616-8621; 530/752-8350, Fax 530/752-6004
- U.S. Borax Inc.**, 26877 Tourney Rd., Valencia, CA 91355-1847; 800/984-6267, 805/287-5400
- USDA Insect Rearing Lab**, 501 South Chapel St., Newark, DE 19713; 302/731-7330
- U.S. Forest Service, USDA**, 14th and Independence Aves., Washington, DC 20250; 202/205-8333
- V**
- Valent BioSciences**, 870 Technology Way, Liberty, IL 60048; 800/323-9597, 847/968-4700, Fax 847/968-4780
- Valent USA**, PO Box 8025, Walnut Creek, CA 94596-8025; 800/624-6094, 925/256-2700, Fax 925/256-2776
- Value Gardens**, 9100 W. Bloomington Freeway, Suite 113, Bloomington, MN 55431; 952/884-6477
- Vegetable Juices Inc.**, 6135 South Nottingham, Chicago, IL 60638; 312/586-6800
- Vintage Gardens**, 2833 Old Gravenstein Highway S., Sebastopol, CA 95472; 707/829-2035, Fax 707/829-9516
- Vopak**, 2256 Junction Ave., San Jose, CA 95131; 800/888-4897, 408/435-8700, Fax 408/434-6489
- W**
- Waipuna International Ltd.**, PO Box 62-140, Mt. Wellington, Auckland, New Zealand; 64-9-2765840, Fax 64-9-2760330
- Waipuna USA Inc.**, 701 West Buena No. 3, Chicago, IL 60613; 630/514-0364, Fax 630/654-2380
- Walt's Organic Fertilizer**, PO Box 31580, Seattle, WA 98103; 206/783-6685
- Warner Lambert**, Morris Plains, NJ 07950; 973/540-2000
- Waterbury Companies Inc.**, PO Box 1812, Waterbury, CT 06722; 800/845-3495, 970/482-0911, Fax 800/432-9982
- Waterford Corp.**, 404 N. Link Lane, Fort Collins, CO 80524-1513; 800/525-4952, 970/482-0911, Fax 970/482-0934
- W. Atlee Burpee Seed Co.**, 300 Park Ave., Warminster, PA 18974; 800/888-1447, 215/674-4900, Fax 800/487-5530
- Wavelength Entomologic Microwave Treatment Systems**, PO Box 3675, Riverside, CA 92519; 909/681-4046, Fax 909/681-3131
- Weed Badger Division**, 5673 95th Ave. SE, Marion, ND 58466-9718; 800/437-3392, 701/778-7511, Fax 701/778-7501
- Wellmark International**, 1100 E. Woodfield Road, Suite 500, Schaumburg, IL 60173; 800/248-7763, Fax 800/426-7473
- Wesco Inc.**, 459 S. Main St., Logan, UT 84321; 800/453-2725, 435/752-6011, Fax 435/752-4127
- Western Farm Service**, 2749 E. Malaga Avenue, Fresno, CA 93725; 559/233-0585, Fax 559/233-0633
- WF Young, Inc.**, 111 Lyman St., Springfield, MA 01103; 800/628-9653, Fax 413/739-7942
- Whiskers Catfish Farm**, 216 Thornton Lane, Bowling Green, KY 42104; 502/842-2555
- Whitmire Microgen Inc.**, 3568 Tree Court Industrial Blvd., St. Louis, MO 63122; 800/777-8570, Fax 314/225-3739
- W.H. Vinton**, 1056 South Fort St., Springfield, MO 65807; 417/862-4666
- Wiese Equine Supply**, PO Box 920, Brockport, NY 14420; 800/869-4373
- Wilbur-Ellis**, PO Box 1286, Fresno, CA 93715; 800/937-3446, 559/442-1220, Fax 559/442-4089
- Wildlife Control Technology Inc.**, 2501 N. Sunnyside Ave., Suite 103, Fresno, CA 93727; 800/235-0262, 559/490-2262, Fax 559/490-2260
- Wildlife Management Supplies (a Division of Critter Control)**, 9435 Cherry Bend Rd., Traverse City, MI 49684; 800/451-6544, 231/947-2400, Fax 231/947-9440
- Wildlife Supply Company**, 301 Cass St., Saginaw, MI 48602; 800/799-8301, 517/799-8100, Fax 517/799-8115
- Wilt-Pruf Products Inc.**, PO Box 469, Essex, CT 06426-0469; 860/767-7033, Fax 860/767-7265
- W. Neudorff**, Postfach 1209, D-31857, Emmerthal, GERMANY; 49-5155-624160, Fax 49-5155-6010
- Woods End Research Laboratory**, Old Rome Road, Route 2, Box 1850, Mt. Vernon, ME 04352; 800/451-0337, 207/293-2457, Fax 207/293-2488
- Woodstream Corp.**, 69 N. Locust St., Lititz, PA 17543-0327; 800/800-1819, 717/626-2125, Fax 717/626-1912
- WPC Brands**, 1 Repel Rd., PO Box 198, Jackson, WI 53037; 800/558-6614, 262/677-4121, Fax 262/677-9006
- W.R. Grace**, 62 Whittemore, Cambridge, MA 02140; 800/354-5414
- W.R. Grace**, 7379 Route 32, Columbia, MD 21044; 410/531-4791
- Z**
- Zaklad Produkcji Enteromotagow "Erna"**, Nowy Sacz, Wielopole 86, POLAND; 321-78, Fax 0326393
- Zema Corp.**, 6514 Chapel Hill Road, Raleigh, NC 27607; 800/334-5530, Fax 919/859-2170

Acknowledgment

This material was made possible, in part, by a Grant from the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine, National Biological Control Institute (NBCI). It may not necessarily express APHIS' views.

INDEX

- A**
- Bat Houses 8, 16, 25
 - Bathyplectes curculionis 6
 - Beauveria bassiana 4, 6, 7, 9, 15, 19, 20
 - Beauveria brongniartii 6
 - Bee Pheromone Lure 21
 - Bee Pheromone Spray 21
 - Bee swarm traps 21
 - Beekeeping equipment 21
 - Beet armyworm 9
 - Beneficial microorganisms 25
 - Beneficial Seed Blend 4
 - Beneficial Seeds and Plants 7
 - Biocontrol Fungi 17
 - Biostimulation 29
 - Black Light Fly Traps 12
 - Blepharipa schineri 9
 - Borate ant baits: 3
 - Borate ant gel bait 3
 - Borate granular fire ant bait 3
 - Borate rods 3
 - Borate Treated Logs 7
 - Borate Treated Lumber 7
 - Borate treatments 3
 - Borate-based insecticides 3, 6, 7, 10, 13, 18, 21
 - Borate rods 3, 7
 - Borate termicide & wood preservative 7, 18
 - Borate treatments 3
 - Boric acid 11, 18
 - Borate-treated logs 18
 - Borate-treated lumber 3, 18
 - Botanical Repellents 9, 17
 - Bracon hebetor 9
 - BT (for citrus leafminer) 14
 - BT protein encapsulated in Pseudomonas 9
 - Burkholderia cepacia: 17, 24
- C**
- Calcium Foliar Spray 23
 - Calcium Thiosulfate 24
 - California Native Grass and Flower Seeds 22
 - California Native Plants 8, 29
 - Canada geese 26
 - Candida oleophila 23
 - Carcinops pumilio 12
 - Casinaria arjuna 9
 - Cassida rubiginosa 29
 - Catalaccus spp. 6
 - Cat tongs 26, 28
 - Catch Poles 28
 - Caulk 10
 - Cephalonomia waterstoni 6
 - Ceuthorynchidius horridus 29
 - Ceutorhynchus litura 29
 - Chilocorus baileyi 17
 - Chilocorus circumdatus 17
 - Chilocorus nigritus 17
 - Chilocorus spp. 17
 - Chrysopatra quadrigemina 29
 - Chrysopera carnea or Chrysopa carnea 4, 20
 - Chrysopera rufilabris or Chrysopa rufilabris 4
 - Chrysopera spp. 4, 19
 - Cinnamaldehyde 16, 24
 - Citronella candles 17
 - Citrus oil 19
 - Citrus or herbal oil extract 11
 - Coccophagus lycimnia 17
 - Coccyonimimus disparis 9
 - Codacide 20
 - Cooling moth granulosis virus 9
 - Cold treatment 7, 18
 - Coleomegilla maculata: 4
 - Coleophora klimeschiella 30
 - Coleophora parthenica 30
 - Colletotrichum gloeosporioides 30
 - Combs 11
 - Comperia merceti 10
 - Comperiella bifasciata 17
 - Compost 23
 - Compost Aids 25
 - Compost Maturity Test Kit 25
 - Compost maturity test kit 21, 24
 - Compost tea brewers 25
 - Container-grown beneficial plants 4
 - Controlled atmosphere system 5, 8
 - Copper & sulfur fungicides 24
 - Copper mesh 25
 - Copper mesh hole filler 25, 27
 - Corn gluten hydrolysate 30
 - Corn gluten meal 30
 - Cotesia marginiventris 9
 - Cotesia melanoscela 9
 - Cotesia plutella 9
 - Cryptolaemus monteuzieri 15
 - Cunaxoides spp. 17
 - Cybocephalus catalinae 17
 - Cybocephalus nipponicus 17
 - Cyopocleanus achatae 30
 - Cyromazine 13, 14
- D**
- Dacnusa sibirica 14
 - Dactyliella sp. 17
 - Databases 21
 - Degree-day Calculators 22
 - Delphastus pusillus 20
 - Deraeocoris brevis 5, 7
 - Deraeocoris brevis: 9, 19
 - Detection kit for pathogens 24
 - Detection kit for turf diseases 24
 - Deterrents 25, 26, 27
 - Alarms & detonators 26
 - Light deterrent 26
 - Reflective tape 26
 - Roadside highway reflectors 26
 - Diadegma insulans 9
 - Diadegmella rapae 4
 - Diatomaceous earth 3
 - Diflubenzuron Exterra System 19
 - Diflubenzuron termite bait 19
 - Diglyphus isaea 14
 - Disease-resistant roses 23
 - Disease-suppressive container mixes 24
 - Donkeys to Protect Sheep 27
 - Dust applicators 10
 - Dusters 23
- E**
- Earthworms 22
 - Earwig Shelters 4
 - Earwig Shelters 8
 - Ecetomyorrhizae 24
 - Edovum puttleri 6
 - Educational Materials 29
 - Electric fencing 26, 27, 28
 - Electric Shock Deterrent 26
 - Electric Shredder to Make Mulch 29
 - Electric soil sterilizer 24
 - Electrical treatment 7, 18
 - Electrocutor trap 27
 - Electrostatic sprayers 23
 - Encarsia deserti: 20
 - Encarsia formosa 20
 - Encarsia munulos: 20
 - Encarsia opulenta 16
 - Encyrtus lecaniorum: 17
 - Endophytic Ryegrass 7, 8
 - Endophytic Tall Fescue 8
 - Endophytic tall fescue 7
 - Entomological specimens 21
 - Entomopathogenic fungus 22
 - Metrarhizium anisopliae 7, 14
 - Epazote (*Chenopodium ambrosioides*) 6
 - Episyphus balteatus 4
 - Eremocerus eremicus 20
 - Euseius rubini 20
 - Euseius spp. 18
 - Eustenopus villosus 30
- F**
- Feltiella 15
 - Fenoxycarb 18
 - Fenoxycarb (for fire ants) 3
 - Fipronil 19
 - Fipronil Bait Station 3
- I**
- Identification 22
 - Imidacloprid 6, 11
 - Indicator plant 23
 - Information/identification services & supplies 21, 25, 29
 - Infra-Red Triggered Water Cannon 28
 - Insect Growth Regulators 6, 9
 - Insect growth regulators 5, 13, 20
 - Methoprene 11, 13, 17
 - Insect rearing supplies 22
 - Insect-parasitic nematodes 11, 12, 13
 - Heterorhabditis megidis 6, 12, 13
 - Heterorhabditis spp. 6, 12, 13
 - Steinernema spp. 12, 13
 - Insect-resistant turfgrass 7, 8
 - Insecticidal Oil 5, 14
 - Insecticidal oil 6, 9, 11, 13, 16, 18, 19, 20
 - Insecticidal soap 3, 5, 6, 7, 9, 11, 13, 15, 16, 17, 18, 19, 21
 - Insecticide Resistance 11
 - Inspection mirror 22
 - Integrated Bait Station 3
 - Irrigation Equipment 23
- L**
- Ivermectin 12
 - With clorsulon 12
 - Ivy Block 29
- M**
- Larinus planus 30
 - Lead Testing Kit 22
 - Lemophagous crioceritor 6
 - Leptomastidea abnormis: 15
 - Leptomastix dactylopili: 15
 - Leptomastix epona 15
 - Lettuce downy mildew 23
 - Leucoptera spartfoliella 30
 - Limonene 3
 - Lindorus lophanthae 18
 - Live Trap 27
 - Live Traps 26, 27, 28
 - Longitarsus jacobaeae 30
 - Lufenuron 11
 - Lydella thompsoni 9
 - Lysiphlebus testaceipes 4
- N**
- Macrocentrus ancyllivorus 9
 - Macrocheles spp. 12
 - Macrolophus caliginosus 20
 - Macrolophus nubilis 19
 - Mallada signata: 19
 - Mallada signata: 4, 20
 - Mattress Covers 15
 - Mealybug destroyer 15
 - Mechanical Weeder 29
 - Meigenia mutabilis 6
 - Mesoseiulus longipes or Phytoseiulus longipes 16
 - Metal projectors 25
 - Metaphycus helvolus 17
 - Metaphycus zebratus 17
 - Metasciulus occidentalis or Galendromus occidentalis 16
 - Meteorus pulchricornis 9
 - Methoprene 11, 13
 - Methoprene pellets 17
 - Metzneria paupercunctella 30
 - Microbial Antagonists 24
 - Microbial feeding stimulant 8
 - Microbial Fungicides 23
 - Microbial soil amendments 25
 - Microbial Termiticides 18
 - Microchelonus blackburni 9
 - Microctonus spp. 6
 - Microlarinus lareynii 30
 - Microlarinus lypriformus 30
 - Microplitis pluttiae 9
 - Microscopes 22
 - Microterys flavus 17
 - Microwave Equipment 7, 18
 - Microwave treatment 7, 18
 - milky spore disease 6
 - Minute pirate bug 5
 - Moisture Meter 18
 - Moisture meters 22
 - Mole Repellent 26
 - Monitoring/collection equipment 16, 22
 - Mosquito Dunks 16
 - Mosquito fish 16
 - Mosquito Traps 16
 - Mosquito-Repelling Plants 17
 - Mulch 29
 - Muscidifurax raptor 12
 - Muscidifurax raptorellus 12
 - Muscidifurax spp. 12
 - Muscidifurax zaraptor 12
 - Mycorrhiza 24
 - Mycotoxin Detection 25
 - Myrothecium verrucaria: 17
- N**
- Nasonia vitripennis or Mormoniella vitripennis 12
 - Neem 5, 6, 8, 9, 13, 14, 15, 17, 19, 21
 - Neem Oil 17
 - Neem Products (for mildew, botrytis, rust) 24
 - Nematicide 17
 - Nematodes 6, 8
 - Neoseiulus scapus 16

Neoseius setulus 16
 Nephus reunioni: 15
 Netting 25, 27
 Nosema locustae 13
 NPV (nucleopolyhedrosis virus) 9
 NPV (nucleopolyhedrosis virus) (for beet armyworm) 9
 NPV from H. zea 9
O
 Oberea erythrocephala 30
 Octenol 16
 Oil and Lime-Sulfur 24
 Orthophasus gazella 12
 Ooencyrtus kuvanae 9
 Ophrya aenescens 12
 Opis pallipes 14
 Organic Fertilizer 23
 Orgilus lepidus 9
 Orius aldipennis 19
 Orius insidiosus 5, 15, 19
 Orius laevigatus 5, 15, 19
 Orius majusculus 15, 19
 Orius spp. 5, 15, 19
 Orius tristicolor 5, 15, 19
P
 Pachycrepoideus vindemiae 12
 Paecilomyces fumosoroseus 20
 Paecilomyces sp. 4
 Paridita peregrina: 15
 Peat moss 24
 Pediobius foveolatus 6
 Pennyroyal, Eucalyptus, Citronella Shampoo 19
 Pentalitomastix plethoricus 9
 Permethrin Cream Rinse 14
 Permethrin tick repellent 19
 Peroxide Oxidants 24
 Pesticide Application Equipment 22
 Pesticide detection kits 22
 Pet Bowls with Barrier 10
 Pet Bowls with Barriers 3
 Phasmarhabditis sp. 18
 Pheromone Mating Disruptants 9
 Pheromones & traps 4, 5, 7, 10, 11, 12, 17, 19, 20, 21
 For agricultural & horticultural insects 5, 8
 For forestry insects 5, 8
 For Japanese beetle 5
 For stored product insects 5, 8
 Phytophthora palmivora
 For stranglervine 30
 Phytoseius macropilis 16
 Phytoseius persimilis 16
 Pine oil (for fire ant control) 3
 Pisolithus tinctorius 24
 Plant disease detection kits 25
 Plant Disease Prediction Software 25
 Plants to repel pest Lepidoptera 8
 Plastic film to attract leafhoppers 14
 Plastic Tree Shields 26
 Podisus maculiventris 6, 7, 9
 Point Source 10
 Poison oak/ivy cleanser/prevention 29
 Poles to catch animals 28
 Pollinators 22
 Portable Bailer to Recycle Solarization Plastic 24
 Predatory nematode for snails 18
 Predatory snail 18
 Premise 18
 Propylea quatuordecimpunctata 4
 Protective Gloves 28
 Protective Skin Coating 23
 Pseudaphycus flavidulus: 15
 Pseudaphycus maculipennis: 15
 Pseudomonas aureofaciens 24
 Pseudomonas cepacia 24
 Pseudomonas fluorescens 23
 Pseudomonas solanacearum 23, 24
 Pseudomonas spp 24
 Publications & AV products 21, 25, 29
 Purple martin bird houses 16
 Pyemotes tritici 3
 Pyrethrin 3, 5, 6, 8, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21
 For head lice 14
 For pubic lice 14
 Pyrethrin repellent 17
 Pyrethrin, rotenone, copper, sulfur 8
 Pyrethrin shampoo 14
 Pyrethrin, with pubic lice comb 14
 Pyrethroid 11, 16, 18, 20
 Pyrethrum 5, 10, 11
 Pyrethrum Powder 6

Pyriproxyfen fire ant bait 3
R
 Radon Test Kits 22
 Rats and mice 27
 Recycle Solarization Plastic 23
 Reflective mulch 4
 Repellent gel 26
 Repellent Hot Pepper and Mustard 5
 Repellents 12, 17, 19, 26, 27, 28, 29
 Repelling balloons 26
 Repelling kites 26
 Sticky repellent 26
 Resmethrin 21
 Respirators 23
 Rhinocyllus conicus 30
 Rigid borescope 18
 Rodent contamination detection 27
 Root Guard Baskets 26
 Row covers 4, 5, 7, 8, 13, 22
 Rumina decollata 18
S
 Sabadilla 5, 6, 8, 10, 13
 Scarecrow 26
 Screening 4, 7, 12, 13, 16, 17, 19, 20
 Scymnus 18
 Scymnus bipunctatus: 15
 Seed mix 6
 Seed Mix to Attract Beneficials 8
 Seed mixture 22
 Sensor to Turn On Sprinklers 26
 Sentricon 19
 Silica aerogel 3, 7, 8, 10, 11, 12, 16, 20, 21
 With ammonium fluosilicate 3, 7, 8
 With pyrethrin 3, 7, 8, 10, 12
 Sitotroga cerealella 22
 Skunk deodorant 28
 Slides on biological control 21
 Slug Bait 18
 Slug Trap 18
 Smoke Bomb 26
 Snail barrier 18
 Snake tongs 28
 Soil analysis test kits 22
 Soil Testing Kits 25
 Solar-powered Ant Trap 3
 Solarization Plastic 24
 Spalangia cameroni 12
 Spalangia corana 12
 Spalangia endius 12
 Spalangia nigroarea 12
 Sphegigaster sp. 12
 Sphenoptera jugoslavica 30
 Spherimos 16
 Spiked lawn aerator sandals 6
 Spinosa 9
 Spinosa fire ant bait 3
 Spinosa Microbial Isolate 7
 Sprayers 23
 Spreader-Sticker Oil for BT 13
 Spurgia esulae 30
 Squirrel-Proof Bird Feeders 28
 Steam Machines and Boilers 24
 Steinernema bibionis: 13
 Steinernema carpocapsae 18
 Steinernema carpocapsae: 13
 Steinernema feltiae 6
 Steinernema feltiae: 8, 12, 13
 Steinernema riobravis 13
 Steinernema riobravis: 6, 8
 Sterile flies 12
 Sterile grass carp fish 29
 Stethorus punctillum 15
 Sticky adhesive 4, 11, 13, 14, 17, 20, 25, 26
 Sticky barrier 3, 8
 Streptomyces griseoviridis 24
 Streptomyces lydicus 24
 Streptomycin antibiotic 23
 Sulfluramid bait 19
 Sulfluramid bait station 10
 Sulfluramid Bait Stations: 3
 Sunlight Barrier (aquatic weeds) 29
 Supressa 30
 Sweep nets 22
 Symplobius sanctus 15
 Syringe for nematode injection 6
T
 Tannic acid 16
 Technu 29
 Teflon Barrier 3

Teflon barrier 10
 Temperature monitor 22
 Tenodera aridifolia sinensis 22
 Terminate 19
 Termite Baits 19
 Hexaflumuron Sentricon System 19
 Termite Sniffer 18
 Termite Sniffers 22
 Tetanocera spp. 18
 Tetrastichus asparagi 6
 Tetrastichus incertus 10
 Tetrastichus julis 6
 Thistle Monster 29
 TickPick 19
 Tiller/mulcher/mower 29
 Tool for Injecting Wall Voids 23
 Trained dogs 7, 18
 Training Video 21
 Traps 4, 6, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21
 For apple maggot 8, 12
 For codling moth 8
 For Japanese beetle 5
 For pepper weevil 5
 For stored product insects 5
 Glue board trap 10, 27
 Light traps 4, 6, 12, 20
 Live traps 27, 28
 Solar fly traps 12
 Sticky light trap 11
 Sticky trap/tape 4, 8, 12, 14, 17, 19, 20
 Trap & attractant 10
 Traps for gophers 26
 Traps for moles 26
 Treatment for Birdseed 28
 Tree wrap 3, 8, 26, 27
 Trichoderma harzianum 23
 Trichoderma harzianum 24
 Trichoderma sp. 23
 Trichogramma brassicae: 9
 Trichogramma carverae 9
 Trichogramma dendrolimi 9
 Trichogramma evanescens 9
 Trichogramma minutum 9
 Trichogramma ostriniae 9
 Trichogramma platneri 9
 Trichogramma pretiosum 9
 Trichogramma spp. 9
 Trichogrammatoides bactrae 9
 Trichomalopsis spp. 12
 Trichosirocalus horridus 30
 Trioxys pallidus 4
 Trissolcus spp. 7
 Turf aerator 24
 Turf Biocontrol 25
 Turf Diseases 24
 Tweezers 19
 Typhlodromus athiasae 16
 Typhlodromous spp. 16
 Tyria jacobaeae 30
U
 Urolepis rufipes 12
 Urophora affinis 30
 Urophora cardui 30
 Urophora quadrifasciata 30
 Urophora sirunaseva 30
V
 Vacuum 3, 7
 Vacuums 10, 11, 15, 22
 Varroa Mite Trap 21
 Vectobac 16
 Verticillium lecanii 19
 Verticillium lecanii fungus 4, 20
 Videos introducing IPM 21
 Virus detection kit 23
W
 Warfarin 28
 Wasp/bee sting medication 21
 Water bacteria analysis kits 22
 Weather monitor 22, 23
 Weed control fabric/plastic
 Infra-red transmitting 29
 Weed Wrench 29
 Weedeater 29
 Weeder geese 30
 Weeding animals 29
 Weeding Chickens 30
 Weeding tools 29

Wheast 22
 Wildlife removal/relocation services 27, 28
X
 Xanthine cockroach bait 10
 Xylocoris flavipes 6, 9
Z
 Zinc phosphide 28

Subscribe PickUp

Roach Terminal

Ecologix...delivering pest control...not pesticides



Least toxic bait available

Ideal for sensitive accounts

Excellent acceptance and feeding
even with competing food sources

EPA registered reduced risk pesticide

Effective on all stages of cockroaches

Economical and easy to use

Ecologix Division



178 Ridge Road
Dayton, NJ 08810
800-524-1662
www.clearychemical.com



Uncle Albert's Super Smart™ Ant Bait



- Shoots 15-20 feet.
- No ladders required.
- Treat an entire home in minutes.
- Comes with extended straw tip for precise applications.
- No CFC's, solvents or hazardous propellents.

A true
innovation in
gel bait delivery
that will
save both
TIME
and **MONEY**.

Uncle Albert's Super Smart™ Ant Bait is endorsed by America's most distinguished pest control experts, plus by South Florida's PCO's who have used it extensively and re-ordered large quantities on an ongoing basis. Extensive tests in South Florida have proven Uncle Albert's to be highly effective for all household ants, plus the white footed ants. It will definitely reduce your chemical costs as well as your call backs. Plus, it will please your environmentally aware customers and pose no health threats to your customers, their families and your technicians.

Distributors: Vopak (vwr), Southern Mill Creek, Forshaw Dist., York Dist., Elbert's Specialty Products, Oldham Chemicals, B&G Chemicals, Estes Distributors, Residex, Superior-Angran, M&P Pest Control Prod. and Others

For more information, please call A Safe Pest Eliminators Inc.,
(305) 447-7152
and ask for Jerry Goodman. Or E-mail at jgheatwave@aol.com



Your Alternative to Traditional Pesticides



Victor® Poison-Free™

The World's Leader in Poison-Free™ Pest Control



Ant and Roach Killer — M601

- Exempt from EPA registration
- Kills and flushes roaches, ants, silverfish, crickets, spiders, centipedes and other insects
- May be used in residential, commercial, and food handling establishments
- Acceptable for use in USDA meat and poultry plants
- Excellent for sensitive facilities such as schools, govt. buildings, etc.
- Safe for the environment – will not harm children or pets
- Fresh mint scent



Flying Insect Killer — M603

- Exempt from EPA registration
- Kills flies, mosquitoes, gnats, moths, yellow jackets and crawling insects
- May be used in residential, commercial, and food handling establishments
- Acceptable for use in USDA meat and poultry plants
- Excellent for sensitive facilities such as schools, govt. buildings, etc.
- Safe for the environment – will not harm children or pets
- Fresh mint scent



Wasp and Hornet Killer — M604

- Exempt from EPA registration
- Fast knockdown
- Kills wasps, hornets, and yellow jackets and their nests in seconds
- Shoots a 15-foot stream
- Excellent for sensitive facilities such as schools, govt. buildings, etc.
- Safe for the environment – will not harm children, pets or plants
- Will not stain vinyl siding
- Will not dissolve/damage roofing material
- An ideal IPM tool

Contact your professional products distributor or Woodstream at 1-800-800-1819

