| 53883-134  | 5 09/17/   | 2004   |  |
|--|--|--|--|
| AND  | U.S. ENVIRONMENTAL PROTECTION AGENC<br>Office of Pesticide Programs<br>Antimicrobials Division (7510C)<br>1200 Pennsylvania Avenue NW<br>Washington, D.C. 20460  | EPA Reg.<br>Number:<br>53883-135   | Date of Issuance: 09/17/04                                       |
| Thing ANOTECTO   | NOTICE OF PESTICIDE:<br>Registration<br>Reregistration   | Term of Issuance<br>Conditional  | e:   |
| under FIFRA, as am   | ended)   | Name of Pesticion<br>Enfenvalerate   |  |
|  | Registrant (include ZIP Code):   |  |  |
| Control Solutions,<br>903 Genoa-Red E<br>Pasadena, TX 7750   | Bluff  |  |  |
| e submitted to and   | Deling differing in substance from that acce<br>accepted by the Registration Division prior<br>his product always refer to the above EPA re  | to use of the label in com   |  |
| ancel the registrative<br>the registrative use of the<br>This produced that you<br>. Submit and/or | health and the environment, the Administrat<br>tion of a pesticide in accordance with the A<br>on of a product under this Act is not to be<br>a name or to its use if it has been covered<br>uct is conditionally registered in accorda<br>:<br>cite all data required for registration of<br>the Agency requires all registrants of sin | ct. The acceptance of any<br>construed as giving the reg<br>by others.<br>ance with FIFRA sec 3(c<br>your product under FIF) | name in connection<br>fistrant a right to<br>c)(7)(A)<br>RA sec. |
| submit accepta   | ble responses required for reregistration<br>wing labeling changes:  | -  |  |
|  | EPA Registration Number to read: "EPA  | A Registration Number  |  |
|  |  |  |  |
| ignature of Approvi  | ng Official:   | Date:  |  |
| Jeorge T. LaRoc  |  | September 17   | , 2004   |
| Froduct Manager<br>Insecticide Brancl  | (RM 13)<br>n/Registration Division (7505C)   |  |  |
| Form 8570-6  |  | 1<br>  |  |

.....

- b. Under "Limitation of Warranty and Liability" statement (7<sup>th</sup> paragraph, 1<sup>st</sup> statement): Delete the "shall" on the 1<sup>st</sup> line to change the sentence from "To the extent permitted by law shall Control Solutions, Inc. or seller shall not be liable .... of this product." to "To the extent permitted by law, Control Solutions, Inc. or seller shall not be liable .... of this product."
- 3. Submit two (2) copies of the final printed label bearing the aforementioned revisions prior to releasing this product for sale.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosure

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# **RESTRICTED USE PESTICIDE**

DUE TO TOXICITY TO FISH AND AQUATIC ORGANISMS

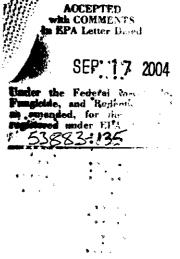
For retail sale to and use only by Certified Applicator or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

# **Esfenvalerate AG**

| Active Ingredient:  | By Wt.       |
|---|--------------|
| Esfenvalerate   | -            |
| (S)-cyano (3-phenoxyphenyl) methyl (S)-4-chloro-alpha-(1-methylethy | yl)          |
| Benzeneacetate  | 8.4%         |
| Inert Ingredients*  | <u>91.6%</u> |
| Total   | 100.0%       |
|   |              |

\*Contains xylene range aromatic solvent This product contains 0.66 lbs. Active Ingredient per gallon.

# NET CONTENTS \_\_\_\_\_



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# KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

| · · · · · · · · · · · · · · · · · · ·                      | FIRST AID   |
|--|---|
|  | or label with you when calling a poison control center or doctor, or going for<br>ontact the Poison Control Center 800-222-1222 for emergency medical   |
| If swallowed   | <ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Do not give any liquid to the person.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul> |
| If inhaled   | <ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>                                    |
| If on skin or clothing                                     | <ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>   |
| If in eyes   | <ul> <li>Hold eye open and rinse slowly and gently with water 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>   |
|  | or label with you when calling a poison control center or doctor, or going for ontact the Poison Control Center 800-222-1222.   |
| Note to Physician – Conta<br>If on skin, after drying appl | ins xylene range aromatic solvent – vomiting may cause aspiration pneumonia.<br>y vitamin E cream or oil if available. If not available, apply vegetable oil<br>The oil or cream may be used repeatedly until relief is achieved.   |

### HAZARD TO HUMANS (AND DOMESTIC ANIMALS)

**WARNING!** May be fatal if swallowed. Harmful if inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

## PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options. follow the instructions for category E on an EPA chemical-resistance category selection chart. Applicators and other handlers must wear:

Long-sleeved shirt and long pants.

Chemical-resistant gloves, such as Barrier Laminate or Neoprene Rubber or Nitrile Rubber or Viton. Shoes plus socks.

Protective evewear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

1.1.1

## USER SAFETY RECOMMENDATIONS

**USERS SHOULD:** Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### **ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or when disposing of equipment wash-waters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops if bees are visiting the treatment area.

## WILDLIFE PROTECTION IS EVERYONE'S REPONSIBILITY

#### **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with the labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use the product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses on this product that are covered by the Worker Protection Standard. 5/2

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protections Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls.

Chemical-resistant gloves, such as Barrier Laminate or Neoprene Rubber or Nitrile Rubber or Viton. Shoes plus socks.

Protective eyewear.

#### GENERAL INFORMATION

ESFENVALERATE AG insecticide 0.66 Emulsible Concentrate contains 0.66 pounds of active ingredient per gallon. For the applications given below, mix the required amount of ESFENVALERATE AG in sufficient diluent to provide uniform coverage (Refer to Use Tables). ESFENVALERATE AG may be applied by ground or aerial application equipment.

#### RESISTANCE

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

#### INTEGRATED PEST MANAGEMENT

Control Solutions, Inc. recommends the use of Integrated Pest Management (IPM) programs to control pests. This product may be used as part of an Integrated Pest Management (IPM) program, which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices and including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop or site systems in your area.

#### SPRAY PREPARATION

Spray equipment must clean and free of previous pesticide deposits before applying ESFENVALERATE AG.

#### SPRAY TANK CLEANOUT

Immediately following application of ESFENVALERATE AG, thoroughly clean all mixing and spray equipment. Flush the tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately). Take all necessary precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose waste rinse water in accordance with local regulations.

#### TANK MIXING

Do not tank mix ESFENVALERATE AG with fungicides containing fentin hydroxide (triphenyltin hydroxide) such as "Super Tin" as crop injury may result.

ESFENVALERATE AG may be tank mixed with the DuPont herbicide products when insect populations require control concurrent with the need for weed control. Follow all herbicide and ESFENVALERATE AG label directions regarding proper usage. A "jar test" for physical compatibility should be conducted before field mixtures are made and applications initiated. For best results, use of spray equipment having continuous agitation is recommended.

ESFENVALERATE AG may be used in combination with 2, 4-D herbicides providing that the following mixing directions are follows: (1) Do not apply the combination in a volume of water less than 2 gallons per acre total spray. (2) Always mix the ESFENVALERATE AG thoroughly in the total volume of spray water first, followed by the addition of the 2,4-D herbicide. Because of the availability of a great variety of 2,4-D herbicide products, a jar test for physical compatibility should be conducted before field mixtures of a particular combination are made.

#### **CHEMIGATION**

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) row, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. ESFENVALERATE AG may be premixed in a supply tank with water, oil, fertilizer, or other appropriate tank mixed agricultural chemicals. A pretest of physical compatibility for untried tank mixes is advised. Agitation may be necessary. Application should be in sufficient water and of sufficient duration to apply the recommended rate evenly to the entire treated area. No run-off can be permitted during chemigation. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. Do not apply when wind speed favors drift beyond the area intended for treatment.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Do not connect an irrigation system (including greenhouse systems) used for ESFENVALERATE AG application to a public water system.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut-off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

## **CROP ROTATION** ALL ROTATION CROPS MAY BE PLANTED IMMEDIATELY FOLLOWING LAST APPLICATION.

## SPRAY RECOMMENDATIONS AND PRECAUTIONS

• All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES, OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

- Do not apply by ground within 25 feet, or by air within 150 feet of lakes; reservoirs; rivers; permanent streams, marshes, or natural ponds; estuaries and commercial fish farm ponds. Increase the buffer zone to 450 feet when ultralow volume (ULV) application is made.
- For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of wing span or rotor diameter.
- Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orientating nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Spray should be released at the lowest height consistent with pest control and flight safety. Applications more that 10 feet above the crop canopy should be avoided.
- Make aerial or ground applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when winds gusts approach 15 mph.
- Risk of exposure to aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.
- Do not cultivate within 10 feet of the aquatic area so as to allow growth of a vegetative filter strip.
- Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.
- Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

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# SPECIFIC USES-COTTON

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| Сгор   | Insect  | Applica  | tion rate   | Acres treated per<br>Gal of<br>ESFENVALERATE AG   | Last<br>Application<br>(days to<br>harvest) |  |
|--------|---|--|---|---|---|--|
|        |   | lb i/acre  | fl oz/acre  |   |   |  |
| Cotton | Cotton Bollworm<br>Tobacco Budworm<br>Boll Weevil<br>Beet Armyworm*<br>Cabbage Looper<br>Saltmarsh Caterpillar<br>Cotton Leafworm<br>Cutworms<br>Lygus Bugs<br>Plant Bugs<br>Thrips (on seedling cotton)<br>Leafhoppers<br>Fleahoppers<br>Grasshoppers<br>Whitefly**<br>Cotton Aphid<br>Pink Bollworm   | 0.03-0.05  | 5.8-9.6   | 22 - 13   | 21  |  |
|        | Note: For light infestation of The above insects  | 0.02   | 3.9   | 33  |   |  |
|        | Cotton Leaf Perforator  | 0.03   | 5.8   | 22  | -   |  |
|        | Cotton Lear Periorator0.035.822To control Boll Weevil infestations, a 3 to 5 day interval between applications may be<br>necessary.May be applied in water or nonvolatile vegetable oils.May be applied in water or nonvolatile vegetable oils.When applying ESFENVALERATE AG in an oil carrier, apply a total spray volume of at<br>least 1 qt per acre.When applying ESFENVALERATE AG in water carrier, apply at least 1 gal per acre by<br>air (at least 3 gal per acre in Arizona and 5 gal per acre in California) or 4 gal per acre by<br>ground.Do not apply more than 0.5 lb ai per acre per season.<br>Do not graze livestock on treated fields or feed treated trash.ESFENVALERATE AG can provide contact ovicidal effect on Heliothis spp, eggs when<br>applied according to label directions for control of tobacco budworm; application should be<br>timed to correspond with peak egg deposition to achieve maximum ovicidal effect. Use on<br>this pest stage (egg) is not registered in California. |  |   |   |   |  |
|        | Do not make more than a total of 1<br>combination of products) to a cotto<br>products include "Ambush" insect<br>insecticide, "Baythroid" emulsifial<br>"Danitol 2.4 EC" Spray insecticide<br>"Karate" Insecticide, "Mustang" in<br>insecticide.  | on crop in one<br>icide, "Ammo<br>ble pyrethroid<br>e/miticide, "D | growing seas<br>"insecticide.<br>insecticide, "e<br>ecis" insectici | on. Synthetic pyrethroid<br>ESFENVALERATE AG<br>Capture" insecticide/miticide,<br>de, "Fury" insecticide, |   |  |

# SPECIFIC USES-FIELD CROPS

| <u> </u>      | PECIFIC USES-FIELD CROP   |  |   |   |   |
|---------------|---|--|---|---|---|
| ,             |   | Applicat   | Application Rate  |   |   |
| Сгор          |   |  | fl oz/acre  | Acres treated per gal of<br>ESFENVALERATE AG  | Last<br>Application<br>(days to<br>harvest) |
| Corn (field)† | Insect<br>Cutworm   | 0.03 - 0.05  | 5.8 - 9.6   | 22 - 13   | 21  |
|               | Grasshopper<br>Corn Earworm<br>Stalk Borer<br>Flea Beetle<br>Corn Rootworm (adult<br>control)<br>Chinch Bug<br>Southwestern Corn Borer<br>Armyworm (True<br>Armyworm)<br>Corn Leaf Aphid<br>Oat Bird-Cherry Aphid   |  |   |   |   |
|               | Cutworm, Grasshopper – App<br>after planting as required to pro<br>with herbicides and/or fertilizer.<br>AG with these products. Follow<br>regarding proper usage.<br>Corn Earworm – First applicat<br>should be made at 3 – 5 day inte<br>Stalk Borer, Flea Beetle – App | tect emerging or en<br>s should be determ<br>v all herbicide/ferti<br>tion should be at or<br>ervals until silking | nerged corn seed<br>ined prior to tank<br>lizer recommend<br>before silking. S<br>is completed. | lings. Physical compatibility<br>mixing ESFENVALERATE<br>ations and directions<br>Subsequent applications |   |
|               | corn, before borers enter the pla<br>Adult Corn Rootworm – Appl<br>Should reinfestation occur, repe   | nt.<br>y at the first sign o   |   |   |   |

|             | <ul> <li>ESFENVALERATE AG may be tank-mixed with Parathion (Methyl) and applied on field corn (and seed corn) where supplemental control of Adult Corn Rootworm is desired in conjunction with insects controlled by ESFENVALERATE AG when used alone.</li> <li>Refer to the ESFENVALERATE AG and Parathion (Methyl) labels for appropriate rates of the individual products for controlling the respective insects.</li> <li>Chinch Bugs – Over the top sprays, as used for control of ear and stalk infesting corn pests, are not adequate for chinch bug control. It is very important that the spray be directed at the base of the plant through the use of drop nozzles or some other mechanism.</li> <li>Southwestern Corn Borer – Two or more applications may be required. For moderate to heavy infestations, higher rates (0.036-005 lb ai per acre) are recommended.</li> <li>Corn leaf Aphid, Oat Bird-Cherry Aphid – For optimum results, direct the spray at the aphid population so as to achieve maximum coverage of the exposed insects. Aphids not contacted by the spray, such as in whorls and leaf axils, may not be adequately controlled.</li> </ul>  |             |                     |         |   |  |  |
|-------------|---|-------------|---------------------|---------|---|--|--|
|             | European Corn Borer   | 0.04 - 0.05 | 7.8 - 9.6           | 16 - 13 |   |  |  |
|             | <ul> <li>First brood: Spray while eggs are the blackhead stage or before the larvae enter the whorl. Application by ground equipment is suggested. Good coverage of both upper and lower leaf surfaces is essential. This can be accomplished with drop nozzles over the row and on each side of the corn plant. Multiple applications may be required when egg laying is prolonged or where moderate to heavy populations are present. A higher rate is recommended for moderate to heavy populations. Proper coverage by ground equipment usually requires 20 – 30 gallons of carrier. Once larvae enter the whorl, foliar sprays will not provide adequate control.</li> <li>Second brood: Make applications when sufficient egg masses are found. Spray when eggs are in the blackhead stage or starting to hatch. When egg laying is prolonged or a third generation is</li> </ul>   |             |                     |         |   |  |  |
|             | present, additional sprays may be required. A higher rate is recommended for moderate to heavy populations. Good coverage above, below, and in the ear zone is essential. This usually requires $2-3$ gallons of carrier by air. If ground equipment is used, drop nozzles on each side of the plant will provide best coverage.  |             |                     |         |   |  |  |
|             | ESFENVALERATE AG may be tank-mixed with Parathion (methyl) and applied on field corn<br>(and seed corn) where supplemental control of European Corn Borer is desired in conjunction<br>with insects controlled by ESFENVALERATE AG when used alone.   |             |                     |         |   |  |  |
|             | Refer to the ESFENVALERATE AG and Parathion (methyl) labels for appropriate rates of the individual products for controlling the respective insects.  |             |                     |         |   |  |  |
|             | Western Bean         0.015 - 0.03         2.9 - 5.8         44 - 22           Cutworm         0.015 - 0.03         0.015 - |             |                     |         |   |  |  |
|             | Apply before larvae enter<br><b>†Do not apply more that</b>   |             | er season.          |         |   |  |  |
| Corn (seed) | For specific insect control<br>Follow directions carefully  |             | er to Field Corn (a | bove).  | 1 |  |  |
|             | Multiple applications and/or shortened intervals between sprays must be used to insure proper insect control. Do not apply more that 0.25 lb a.i. per acre per season.  |             |                     |         |   |  |  |

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| Multiple applications and/or s<br>insect control. Do not apply in<br>Corn Earworm<br>Red-necked Peanut Worm<br>Potato Leafhopper<br>Velvetbean Caterpillar<br>Beet Armyworm*<br>Granulate Cutworm<br>Grasshoppers<br>Cutworms<br>Lesser Cornstalk Borer*   |  |   | 22 - 13  | 21  |  |  |
|--|--|---|--|---|--|--|
| Corn Earworm<br>Red-necked Peanut Worm<br>Potato Leafhopper<br>Velvetbean Caterpillar<br>Beet Armyworm*<br>Granulate Cutworm<br>Grasshoppers<br>Cutworms<br>Lesser Cornstalk Borer*  | 0.0150.03  | 2.9 - 5.8   |  | 21  |  |  |
| Granulate Cutworm<br>Grasshoppers<br>Cutworms<br>Lesser Cornstalk Borer*   | 0.03-0.05  | 5.8 - 9.6   | 22 - 13  |   |  |  |
|  | 1  |   |  |   |  |  |
| Fall Armyworm**  | 0.05   | 9.6   | 13   |   |  |  |
| Do not feed or graze livestock on treated vines.<br>Do not apply more than 0.15 lb a.i per acre per season.<br>*Aids in control.<br>**Aids in control. For heavy infestations use of DuPont <sup>TM</sup> LANNATE insecticide is<br>recommended. Please refer to the LANNATE label for use instructions. |  |   |  |   |  |  |
| Sorghum Midge  | 0.015 - 0.03   | 2.9 - 5.8   | 44 - 22  | 21  |  |  |
| Corn Earworm<br>(headworm)<br>Cutworms<br>Chinch Bugs  | 0.03 - 0.05  | 5.8 - 9.6   | 22 - 13  |   |  |  |
| Do not apply more than 0.15 lb a.i. per acre per season.<br>When applying in nonvolatile vegetable oils use a total spray volume of 1 or more qts per acre.<br>Chinch Bug Control: For optimum results, spray should be directed at base of plants.  |  |   |  |   |  |  |
| Mexican Bean Beetle<br>Green Cloverworm<br>Velvetbean Caterpillar<br>Potato Leafhopper<br>Saltmarsh Caterpillar<br>Woolybear Caterpillar   | 0.015 - 0.03   | 2.9 - 5.8   | 44 - 22  | 21  |  |  |
| Cabbage Looper<br>Corn Earworm<br>Southern Green Stinkbug<br>Bean Leaf Beetle<br>Cutworms<br>Three-cornered Alfalfa<br>Hopper<br>Beet Armyworm*<br>Grasshoppers  | 0.03 - 0.05  | 5.8 - 9.6   | 22 - 13  |   |  |  |
|  | Do not apply more than 0.15 1<br>*Aids in control.<br>**Aids in control. For heavy<br>recommended. Please refer to<br>Sorghum Midge<br>Corn Earworm<br>(headworm)<br>Cutworms<br>Chinch Bugs<br>Do not apply more than 0.15 1<br>When applying in nonvolatile<br>Chinch Bug Control: For opti<br>Mexican Bean Beetle<br>Green Cloverworm<br>Velvetbean Caterpillar<br>Potato Leafhopper<br>Saltmarsh Caterpillar<br>Woolybear Caterpillar<br>Corn Earworm<br>Southern Green Stinkbug<br>Bean Leaf Beetle<br>Cutworms<br>Three-cornered Alfalfa<br>Hopper | Do not apply more than 0.15 lb a.i per acre per<br>*Aids in control.*Aids in control.**Aids in control.**Aids in control.For heavy infestations use or<br>recommended.Please refer to the LANNATESorghum Midge $0.015 - 0.03$ Corn Earworm<br>(headworm) $0.015 - 0.03$ Corn Earworm<br>(headworm) $0.03 - 0.05$ Cutworms<br>Chinch Bugs $0.015 - 0.03$ Do not apply more than 0.15 lb a.i. per acre per<br>When applying in nonvolatile vegetable oils use<br>Chinch Bug Control: For optimum results, sprational systemMexican Bean Beetle<br>Green Cloverworm<br>Velvetbean Caterpillar<br>Potato Leafhopper<br>Saltmarsh Caterpillar<br>Woolybear Caterpillar $0.03 - 0.05$ Corn Earworm<br>Southern Green Stinkbug<br>Bean Leaf Beetle<br>Cutworms<br>Three-cornered Alfalfa<br>Hopper<br>Beet Armyworm*<br>Grasshoppers $0.03 - 0.05$ | Do not apply more than 0.15 lb a.i per acre per season.<br>*Aids in control.<br>*Aids in control. For heavy infestations use of DuPont <sup>TM</sup> LANNATH<br>recommended. Please refer to the LANNATE label for use instruction<br>Sorghum Midge 0.015 – 0.03 2.9 – 5.8<br>Corn Earworm 0.03 – 0.05 5.8 – 9.6<br>Cutworms<br>Chinch Bugs 0.03 – 0.05 5.8 – 9.6<br>Cutworms<br>Chinch Bug Control: For optimum results, spray should be directed at<br>Mexican Bean Beetle 0.015 – 0.03 2.9 – 5.8<br>Green Cloverworm<br>Velvetbean Caterpillar<br>Potato Leafhopper<br>Saltmarsh Caterpillar<br>Woolybear Caterpillar<br>Woolybear Caterpillar<br>Southern Green Stinkbug<br>Bean Leaf Beetle<br>Cutworms<br>Three-cornered Alfalfa<br>Hopper<br>Beet Armyworm*<br>Grasshoppers | Do not apply more than 0.15 lb a.i per acre per season.         *Aids in control.         **Aids in control. For heavy infestations use of DuPont <sup>TM</sup> LANNATE insecticide is recommended. Please refer to the LANNATE label for use instructions.         Sorghum Midge       0.015 - 0.03       2.9 - 5.8       44 - 22         Corn Earworm       0.03 - 0.05       5.8 - 9.6       22 - 13         Cutworms       Chinch Bugs       0.015 - 0.03       2.9 - 5.8       44 - 22         Do not apply more than 0.15 lb a.i. per acre per season.       When applying in nonvolatile vegetable oils use a total spray volume of 1 or more qts per acre.         Chinch Bugs       0.015 - 0.03       2.9 - 5.8       44 - 22         Do not apply more than 0.15 lb a.i. per acre per season.       When applying in nonvolatile vegetable oils use a total spray volume of 1 or more qts per acre.         Chinch Bug Control: For optimum results, spray should be directed at base of plants.       Mexican Bean Beetle       0.015 - 0.03       2.9 - 5.8       44 - 22         Green Cloverworm       0.03 - 0.05       5.8 - 9.6       22 - 13       22 - 13         Mexican Bean Beetle       0.03 - 0.05       5.8 - 9.6       22 - 13       22 - 13         Green Cloverworm       0.03 - 0.05       5.8 - 9.6       22 - 13       22 - 13         Cabbage Looper       0.03 - 0.05       5.8 - 9.6       22 - 13 |  |  |

|             | When applying in nonvolatile<br>Do not feed or graze livestock<br>Do not apply more than 0.2 lb<br>*Aids in control.  | on treated fields.   |                                       | at least 1 qt. |    |  |  |
|-------------|---|----------------------|---------------------------------------|----------------|----|--|--|
| Sugar Beets | Grasshoppers<br>Beet Armyworms*<br>Leafhoppers<br>Cutworms (seedling spray)<br>Saltmarsh Caterpillar<br>Cabbage Looper<br>Beet Webworm<br>Flea Beetle (except CA)   | 0.03 - 0.05          | 5.8 - 9.6                             | 22 - 13        | 21 |  |  |
|             | Do not apply more that 0.15 lb ai/acre per season.<br>Apply with ground or air equipment using sufficient water to provide uniform coverage<br>(minimum of 2 gal of water per acre).<br>*Aids in control. |                      |                                       |                |    |  |  |
| Sugarcane   | Sugarcane Borer   | 0.03 - 0.05          | 5.8 - 9.6                             | 22 – 13        | 21 |  |  |
|             | Do not apply more than 0.2 lb   | a.i/cre per season.  | · · · · · · · · · · · · · · · · · · · |                |    |  |  |
| Sunflower   | Sunflower Beetle<br>(except CA)   | 0.0075 - 0.03        | 1.45 - 5.8                            | 88 - 22        | 28 |  |  |
|             | Grasshoppers<br>Cutworms<br>Heliothis (complex)<br>Sunflower Moth<br>Sunflower Seed Weevil<br>Banded Sunflower Moth<br>Beet Armyworm*<br>Sunflower Maggott<br>Leafhoppers<br>Sunflower Stem Weevil        | 0.03 - 0.05          | 5.8 - 9.6                             | 22 - 13        |    |  |  |
|             | Do not apply more than 0.2 lb<br>*Aids in control.  | . ai/acre per season |                                       |                |    |  |  |

## **SPECIFIC USES – FRUITS AND NUTS**

**DILUTE SPRAY:** Apply specified dosage per 100 gallons of water in a uniform spray applied to the point of drip with conventional ground equipment. Do not exceed maximum number of gallons per acre indicated. NOTE: In order to apply the correct amount of ESFENVALERATE AG insecticide to your orchard you must know the number of gallons of water needed to spray one acre of your trees to the point of drip. If you do not already know this gallonage, you should conduct a test to determine it. If you do not know how to conduct such a test with your equipment, you should ask for assistance from your equipment dealer or State Extension specialist.

**CONCENTRATE SPRAY:** APPLY SPECIFIED DOSAGE PER ACRE IN NO LESS THAN 30 GALS. OF WATER PER ACRE BY GROUND. WHEN APPLYING ESFENVALERATE AG BY AIR, CONSULT YOUR COOPERATIVE EXTENSION SERVE FOR APPLICATION GUIDELINES.

|        |  | Application Rate |             |                       | Acres   | Last                                     |
|--------|--|------------------|-------------|-----------------------|---|--|
|        |  | Concen           | trate Spray | Dilute<br>Spray       | treated per<br>gal of<br>ESFEN-<br>VALER-<br>ATE AG | Applica-<br>tion (days<br>to<br>harvest) |
| Сгор   | Insect   | lb ai/acre       | fl oz/acre  | fl oz/<br>100<br>gal. |   |  |
| APPLES | Oblique Banded<br>LeafrollerCodling MothVariegated<br>LeafrollerWhite Apple<br>LeafhopperTentiform Leaf<br>MinerSan Jose Scale<br>(fruit infestations<br>only)Apple Aphid<br>Tufted Apple Bud<br>MothPlum Curculio<br>Oriental Fruit Moth<br>Apple Maggot<br>Red-Banded<br>Leafroller<br>Lesser Appleworm<br>Green Fruitworm<br>Rosy Apple Aphid<br>Plant Bugs<br>(Tarnished Plant<br>Bug, Stink Bugs) | 0.025-<br>0.075  | 4.8 - 14.5  | 2.0-5.8               | 26-9  | 21                                       |
|        | Apple Ermine Moth<br>(ID, OR & WA<br>only)   |                  |             | 3.0                   |   |  |
|        | Tufted Apple Bud<br>Moth   | 0.04-0.075       | 8.0-14.5    |                       | 16.9  | a for y sudad (1978)                     |

|             | (overwintering)   |   |               |              |                   |                 |  |  |
|-------------|---|---|---------------|--------------|-------------------|-----------------|--|--|
|             | (MD, NC, NJ, PA,  |   |               |              |                   |                 |  |  |
|             | VA, WV only)  |   |               |              |                   |                 |  |  |
|             | Do not feed or graze livestock on treated orchard floors.   |   |               |              |                   |                 |  |  |
|             | Do not apply more than (  | ).525 lbs. a.i.   | per acre pe   | r season. Fo | or dilute spray a | apply 200 – 600 |  |  |
|             | gals per acre, but do not a   | apply more th   | an 14.5 fl. ( | oz. of ESFE  | NVALERATE         | AG per acre     |  |  |
|             | per treatment.  |   |               |              |                   |                 |  |  |
|             | Plant Bug, Rosy Apple A   |   |               |              |                   |                 |  |  |
|             | Use prebloom and post bloom spray timings recommended by State Extension Services.<br><u>Apple Ermine Moth</u> —Apply with 2 to 4 gallons of superior spray oil in 100 gallons of<br>water in a spray-to-wet application to insure thorough coverage of all stems and branches<br>where Apple Ermine Moth hibernacula are found.<br>When using on apple nursery stock, do not treat bundled plants since it is difficult to<br>achieve a full coverage application which could result in less than complete control.<br>Make first application in the fall after 90% of leaf fall has occurred-usually after October<br>15. |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             | Make a second application   | n 7 to 14 day   | a later       |              |                   |                 |  |  |
|             | Note: Overwintering larv  |   |               | wimately 30  | ) days after ann  | lication        |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             | <u>Tufted Apple Bud Moth (overwintering</u> )—For use on apple for the control of overwintering<br>larvae of the tufted apple bud moth with directed ground application to the apple orchard  |   |               |              |                   |                 |  |  |
|             | floor. Make one applicat  |   |               |              |                   |                 |  |  |
|             | petal fall stage of apple.  |   |               |              |                   | ••              |  |  |
|             | Use the lower rate on sma   |   |               |              |                   |                 |  |  |
|             | the higher rate on larger l   | arvae (petal f  | all stage of  | apple) and/  | or on moderate    | to high         |  |  |
|             | populations.  |   |               |              |                   |                 |  |  |
|             |   | er acre to the orchard floor in no less than 30 gals of water per |               |              |                   |                 |  |  |
|             | acre by ground to obtain the  |   |               |              |                   |                 |  |  |
|             | line to allow coverage of<br>PRECAUTIONARY STA  |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             | ESFENVALERATE AG to the groundcover at the pink stage of apple development may be toxic to overwintering <i>Stethorus punctum</i> . <i>S. punctum</i> is a coccinellid insect and the major predator of spider mites in the MD, NC, NJ, PA, VA and WV fruit growing areas. This   |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             | predator overwinters in the same areas of the orchard groundcover as the tufted apple bud<br>moth and moves into apple trees from mid-April through mid-May when maximum daily<br>temperatures exceed 68° F. Emergence from the groundcover is 20-70% complete by the   |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             |   |   |               |              |                   |                 |  |  |
|             | pink stage and 90-100% of   | complete by p   | etal fall on  | the apple cu | ultivar Yorking   |                 |  |  |
| BLUEBERRY   | Aphids (NJ only)  | 0.025-  | 4.8-9.6       |              | 26-13             | 14              |  |  |
| (except CA) | Blueberry Spanworm  | 0.05  |               |              |                   |                 |  |  |
|             | Cherry Fruitworm*   |   |               |              |                   |                 |  |  |
|             | Cranberry Fruitworm   |   |               |              |                   |                 |  |  |
|             | Cranberry Weevil*   |   |               |              |                   |                 |  |  |
|             | Grasshoppers  |   |               |              |                   |                 |  |  |
|             | Leafhoppers<br>Red Striped  |   |               |              |                   |                 |  |  |
|             | Fireworm*   |   |               |              |                   |                 |  |  |
|             | I.B.C.WOLW  |   |               | Í            |                   |                 |  |  |
|             | Blueberry Maggot  | 0.05  | 9.6           |              | 13                |                 |  |  |
|             | Black Vine Weevil   | 0.05  | 9.6           |              | 13                |                 |  |  |
|             | (adult control)   |   |               |              | -                 |                 |  |  |
|             | Strawberry Root   |   |               |              |                   |                 |  |  |
|             | Weevil (adult control)  |   |               |              |                   |                 |  |  |
|             | (OR, WA only)   |   |               |              |                   |                 |  |  |
|             | Do not apply more than 0  |   | er season (   | 38.4 fluid o | unces of          |                 |  |  |
|             | product per acre per seaso  |   |               |              |                   |                 |  |  |
|             | Use of ground application   |   | nded; for gr  | ound applic  | ation use a       |                 |  |  |
|             | minimum of 50 gals wate   | r per acre.   |               |              |                   |                 |  |  |

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| Do not apply this product through any type of irrigation system.         Note: ESFEWALERATE AG can act as a bee repellent, do not apply within 7 days of pollination. Apply as a pre-bloom or post-bloom spray only,         *Aids in control.         Black vine weevil & strawherry root weevil (adult control) (OR. WA, only): Look for leaf nothing beginning in late May to early June as the first sign of weevil feeding. Also check for adults on or just below the soil surface around the base of plants. Apply ESFENVALERATE AG within two to three weeks of first sign of infestation. Do not apply by air, apply by ground using a minimum of 50 gallons of water per are. Direct spray to provide full coverage of foliage and soil area around base of plants. Best results are form applications mude affer dark when temperatures are warm and weevils are actively feeding. Root weevils emerge over a several week period, make additional applications when signs of new feeding appear.         CANEBERRIES (blackberries, boysenberries, logan herries, youngberries, logan herries, youngberries, logan berries, youngby more than 0.15 b ai per aree per season. Do not apply more than 0.15 b ai per aree per season. Do not apply more than 0.15 b ai per aree per season. Do not apply more than 0.15 b ai per aree per season. Do not apply more than 0.15 b ailons of water per are. Direct spray to poly day so bfore harvest.         Adult Root Weevils; Look for leaf notching beginning in late May to early indice around the base of plants. Apply so a full coverage spray in a minimum of 50 gallons of water per aree. Direct spray to provide through norvest.         Adult Root Weevils; Look for leaf notching beginning in late May to early before harvest.         Adult Root Weevils; Look for leaf notching beginning in late May to early by ground usin   | <b></b>          | · · · · · · · · · · · · · · · · · · ·  |               |               |              |                                       |      |  |  |
|---|------------------|--|---------------|---------------|--------------|---------------------------------------|------|--|--|
| within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only.         *Aids in control.         Black Vine vecevil & strawberry root weevil (adult control) (OR. WA,<br>only). Look for leaf notching beginning in late May to early June as the<br>first sign of weevil feeding. Also check for adults on or just below the soil<br>surface around the base of plants. Apply ESFENVALERATE AG within<br>two to three weeks of first sign of infestation. Do not apply by air, apply<br>by ground using a minimum of 50 gallos of water per arce. Direct spray<br>to provide full coverage of foliage and soil area around base of plants. Best<br>results are actively feeding. Root weevils emerge over a several week<br>period, make additional applications when signs of new feeding appear.         CANEBERRIES<br>(blackberries,<br>boysenberries,<br>dewberries,<br>dewberries,<br>and a varieties,<br>of these) (OR<br>& WA only)       Adult Root Weevils*       0.05       9.6       13         *Aids in control.<br>Do not apply by air.<br>Do not apply by a product through any type of irrigation system.<br>Oblique Banded Leafroller Orrange Tortrix and Ankids; Apply as a full<br>coverage spray in a minimum of 50 gallons of water with ground<br>equipment only. Apply no earlier than 12 days before harvest and no later<br>than 7 days before harvest.<br>Adult Root Weevils; Look for leaf notching beginning in late May to<br>early June as the first sign of weevil feeding. Also check for adults on or<br>just below the soil surface around the base of junts. Apply<br>ESFENVALERATE AG within two to three weeks of infestation. Apply<br>ESFENVALERATE AG within two to three weeks do infestation. Apply<br>by ground using a minimum of 50 gallons of water prace. Direct spray<br>to provide thorough coverage of all plant foliage and the soil area around<br>the base of  |                  | Do not apply this product  | t through any | type of irri  | gation syste | m.                                    |      |  |  |
| only.       *Aids in control.         Black vine weevil & strawberry root weevil (adult control) /OR. WA.<br>only]. Look for leaf notching beginning in late May to early June as the<br>first sign of weevil feeding. Also check for adults on or just below the soil<br>surface around the base of plants. Apply ESFENVALERATE AG within<br>two to three weeks of first sign of infestation. Do not apply by air, apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide full coverage of foliage and soil area around base of plants. Best<br>results are from applications made after dark when temperatures are warm<br>and weevils are actively feeding. Root weevils emerge over a several week<br>period, make additional applications when signs of new feeding appear.         CANEBERRIES<br>(blackberries,<br>and a varieties,<br>of these) (OR<br>& WA only)       Adult Root Weevils*       0.05       9.6       13         *Aids in control.<br>Do not apply by air.<br>Do not apply by air.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply this product through any type of irrigation system.<br>Oblique Banded Leaffoller Orange Tortrix and Anhids : Apply as a full<br>coverage spray in a minimum of 50 gallons of water per acre. Direct spray<br>t  |                  | Note: ESFENVALERA  | TE AG can ac  | rt as a bee r | epellent, do | not apply                             |      |  |  |
| only.       *Aids in control.         Black vine weevil & strawberry root weevil (adult control) /OR. WA.<br>only]. Look for leaf notching beginning in late May to early June as the<br>first sign of weevil feeding. Also check for adults on or just below the soil<br>surface around the base of plants. Apply ESFENVALERATE AG within<br>two to three weeks of first sign of infestation. Do not apply by air, apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide full coverage of foliage and soil area around base of plants. Best<br>results are from applications made after dark when temperatures are warm<br>and weevils are actively feeding. Root weevils emerge over a several week<br>period, make additional applications when signs of new feeding appear.         CANEBERRIES<br>(blackberries,<br>and a varieties,<br>of these) (OR<br>& WA only)       Adult Root Weevils*       0.05       9.6       13         *Aids in control.<br>Do not apply by air.<br>Do not apply by air.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply this product through any type of irrigation system.<br>Oblique Banded Leaffoller Orange Tortrix and Anhids : Apply as a full<br>coverage spray in a minimum of 50 gallons of water per acre. Direct spray<br>t  |                  |  |               |               |              |                                       |      |  |  |
| *Aids in control.         Black vine weevil & strawberry root weevil (adult control) (OR, WA, only); Look for leaf notching beginning in late May to early June as the first sign of weevil feeding. Also check for adults on or just below the soil surface around the base of plants. Apply ESFENVALERATE AG within two to three weeks of first sign of infestation. Do not apply by air, apply by ground using a minimum of 50 gallons of water per are. Direct spray to provide full coverage of foliage and soil area around base of plants. Best results are from applications made after dark when temperatures are warm and weevils are actively feeding. Root weevils emerge over a several week period, make additional applications when signs of new feeding appear.         CANEBERRIES       Oblique Banded       0.025       26-13       7         (base berries, youngberries, and a varieties, of these) (OR & dation control.       0.05       9.6       13         * Adult Root Weevils:       0.05       9.6       13   |                  |  |               | •             | •            |                                       |      |  |  |
| Black vine wervil & strawherry root weevil (adult control) (OR. WA,<br>only; Look for leaf notching beginning in late May to early June as the<br>first sign of rifestion; Also check for adults on or just below the soil<br>surface around the base of plants. Apply ESFENVALERATE AG within<br>two to three weeks of first sign of infestation. Do not apply by sir, apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide full coverage of foliage and soil area around base of plants. Best<br>results are from applications made after dark when temperatures are warm<br>and weevils are actively feeding. Root weevils emergo over a soveral week<br>pericd, make additional applications when signs of new feeding appear.         CANEBERRIES<br>(blackberries,<br>and a varieties,<br>of these) (OR<br>& WA only)       Oblique Banded<br>0.05       0.05       26-13       7         Adult Root Weevils*       0.05       9.6       13         *Aids in control.<br>Do not apply by air.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply moy carifer than 12 days before harvest and no later<br>than 7 days before harvest.<br>Adult Root Weevils*       Aust Root Weevils*       0.05         Yetter Adversite       Aust Root Keevils*       Aust check for adults on or<br>just below the soil surface around the base of plants. Apply<br>ESFENVALERATE AG within two to three weeks of infestation. Apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide thorough coverage of al   |                  |  |               |               |              |                                       |      |  |  |
| oily: Look for leaf notching beginning in late May to early June as the         first sign of weevil feeding. Also check for adults on or just below the soil surface around the base of plants. Apply ESFENVALERATE AG within two to three weeks of first sign of infestation. Do not apply by air, apply by ground using a minimum of 50 gallons of water there are used and the paper of the plant. Best results are from applications when signs of new feeding appear.         CANEBERRIES (blackberries, respleries, poungberries, dewberries, logan berries, dewberries, of these; (OR & Aphids       0.05       26-13       7         Adult Root Weevils*       0.05       9.6       13       7         *Adult Root Weevils*       0.05       9.6       13         *Adult Root Weevils       0.05<   |                  |  |               |               |              |                                       |      |  |  |
| first sign of weevil fedding. Also check for adults on or just below the soil surface around the base of plants. Apply ESFENVALERATE AG within two to three weeks of first sign of infestation. Do not apply by air, apply by ground using a minimum of 50 gallons of water per acre. Direct spray to provide full coverage of foliage and soil area around base of plants. Best results are first sign of weevils emerge over a several week period, make additional applications when signs of new feeding appear.         CANEBERRIES (blackberries, headed to be additional applications when signs of new feeding appear.       Oblique Banded 0.025- 0.5 9.6 26-13 7         CANEBERRIES (blackberries, and a varieties, of these) (OR dw herviss* 0.05 9.6 13       Adult Root Weevils* 0.05 9.6 13         *Adult Root Weevils* 0.05 9.6 13       *Aids in control.         Do not apply by air.       Do not apply by air.         Do not apply by air.       Do not apply by air.         Do not apply by air.       Do not apply by acre than 0.15 b ai per acre per season.         Do not apply by air.       Do not apply by acre than 0.15 b ai per acre per season.         Do not apply by air.       Do not apply by acre than 0.15 b ai per acre. Direct spray to provide through any type of irrigation system.         Oblique Banded Leafroller Orange Torrix andAphids; Apply as a full coverage spray in a minimum of 50 gallons of water with ground equipment only. Apply no earlier than 12 days before harvest and no later than 7 days before harvest.         Adult Root Weevils = warm and weevils are actively feeding. Root weevils are actively feeding. Root weevils are actively feeding. Root weevils are acti   |                  |  |               |               |              |                                       |      |  |  |
| surface around the base of plants. Apply ESFENVALERATE AG within         two to three weeks of first sign of infestation. Do not apply by air, apply         by ground using a minimum of 50 gallons of water per acre. Direct spray         to provide full coverage of foliage and soil area around base of plants. Best         results are from applications made after dark when temperatures are warm         and weevils are actively feeding. Root weevils emerge over a several week         period, make additional applications when signs of new feeding appear.         CANEBERRIES         (blackberries,         ingage Tortrix         and a varieties,         of these) (OR         & WA only         Adult Root Weevils*       0.05         9.6       13         *Aids in control.         Do not apply buy incore than 0.15 lb ai per acre per season.         Do hot apply tho architer than 12 days before harvest and no later         than 7 days before harvest.         Adult Root Weevils. Look for leaf notching beginning in late May to         early June as the first sign of weevil feeding. Also check for adults on or         just below the soil surface around the base of plant 10 and splater per acre. Direct spray         to provide through any trye of infestions. Apply         by ground using a minimum of 50 gallons of water with ground the base of theplant foliage and the soil area around the ba   |                  |  |               |               |              |                                       |      |  |  |
| two to three weeks of first sign of infestation. Do not apply by air, apply by ground using a minimum of 50 galloos of water per acre. Direct spray to provide full coverage of foliage and soil area around base of plants. Best results are from applications made after dark when temperatures are warm and weevils are actively feeding. Root weevils emerge over a several week period, make additional applications when signs of new feeding appear.         CANEBERRIES       Oblique Banded       0.025-       4.8-9.6       26-13       7         (blackberries, and a varieties, dewberries, and a varieties, of these (OR & and a varieties, and a varieties, of these (OR & and a varieties, of these (OR & and a varieties, and a varieties, and a varieties, and a varieties, of these (OR & and a varieties, and varieties, ande varieties, and varieties, and varieties, a  |                  |  |               |               |              |                                       |      |  |  |
| by ground using a minimum of 50 gallons of water per arce. Direct spray to provide full coverage of foliage and soil area around base of plants. Best results are from applications made after dark when temperatures are warm and weevils are actively feeding. Root weevils emerge over a several week period, make additional applications when signs of new feeding appear.         CANEBERRIES (blackberries, or ange Tortrix       Oblique Banded       0.025-       4.8-9.6       26-13       7         Chake additional applications when signs of new feeding appear.       Oblique Banded       0.025-       4.8-9.6       26-13       7         Chake additional applications when signs of new feeding appear.       Aphids       7       7       7         State and a varities, of these) (OR dewberries, and a varities, of these) (OR dewberries, of these) (OR dewberries, and a varities, of these) (OR dewberries, on the ply more than 0.15 lb ai per acre per season. Do not apply by air. Do not apply by air. Do not apply more than 0.15 lb ai per acre per season. Do not apply this product through any type of irrigation system. Oblique Banded Leafroller Ornage Tortrix andAphids; Apply as a full coverage spray in a minimum of 50 gallons of water with ground equipment only. Apply no earlier than 12 days before harvest and no later than 7 days before harvest.         Adult Root Weevils; Look for leaf notching beginning in late May to early und using a minimum of 50 gallons of water per arce. Direct spray to provide through coverage of all plant foliage and the soil area around the base of the plant. Best results are from applications made after dark when temperatures are warm and weevils are actively feeding. Root weevils emerge over a period of several weeks,  |                  |  |               |               |              |                                       |      |  |  |
| to provide full coverage of foliage and soil area around base of plants. Best results are from applications made after dark when temperatures are warm and weevils are actively feeding. Root weevils emerge over a several week period, make additional applications when signs of new feeding appear.         CANEBERRIES (blackberries, raspberries, boysenberries, and a varieties, of these) (OR & Aphilos       O.025       4.8-9.6       26-13       7         Mult Root Weevils *       0.05       9.6       13       *         * Adult Root Weevils*       0.05       9.6       13         * Adult Root Weevils*       1.5       b aip arce per season.       Do not a   | 1                |  |               |               |              |                                       |      |  |  |
| results are from applications made after dark when temperatures are warm and weevils are actively feeding. Root weevils emerge over a several week period, make additional applications when signs of new feeding appear.         CANEBERRIES (blackberries, Leafroller       Oblique Banded       0.025-       4.8-9.6       26-13       7         (blackberries, logan berries, youngberries, and a varieties, of these) (OR       Orange Tortrix       Aphids       0.05       9.6       13         * Adult Root Weevils*       0.05       9.6       13       *         * Aids in control.       Do not apply more than 0.15 lb ai per acre per season.       Do not apply more than 0.15 lb ai per acre per season.       Do not apply more than 0.15 lb ai per acre per season.         Do not apply this product through any type of irrigation system.       Oblique Banded Leafroller Orange Tortrix andAphids; Apply as a full coverage spray in a minimum of 50 gallons of water with ground equipment only. Apply no earlier than 12 days before harvest and no later than 7 days before harvest.         Adult Root Weevils:       Look for leaf notching beginning in late May to early by ground using a minimum of 50 gallons of water per acre. Direct spray to provide through anitium of 50 gallons of water ere. Direct spray to provide thorough coverage of all plant foliage and the soil area around the base of the plant. Best results are from apply by by ground using a minimum of 50 gallons of water per acre. Direct spray to provide thorough coverage of all plant foliage and the soil area around the base of the plant. Best results are from applications. Apply By BYENVALERATE AG ean act as a bee repellent, do   |                  |  |               |               |              |                                       |      |  |  |
| and weevils are actively feeding. Root weevils emerge over a several week period, make additional applications when signs of new feeding appear.         CANEBERRIES (blackberries, raspberries, logan berries, logan berries, logan berries, and a varieties, of these (OR &   |                  |  |               |               |              |                                       |      |  |  |
| period, make additional applications when signs of new feeding appear.         CANEBERRIES<br>(blackberries,<br>papberries,<br>appberries,<br>logan berries,<br>youngberries,<br>and a varieties,<br>of these) (OR<br>& WA only)       0.05       4.8-9.6       26-13       7         Adult Root Weevils*       0.05       9.6       13       7         *Aids in control.<br>Do not apply by air.<br>Do not apply by air.<br>Do not apply this product through any type of irrigation system.<br>Obligue Banded Leafroller Orange Tortrix and Aphids; Apply as a full<br>coverage spray in a minimum of 50 gallons of water with ground<br>equipment only. Apply no carlier than 12 days before harvest and no later<br>than 7 days before harvest.<br>Adult Root Weevils; Look for leaf notching beginning in late May to<br>early June as the first sign of weevil feeding. Also check for adults on or<br>just below the soil surface around the base of plants. Apply<br>ESFENVALERATE AG within two to three weeks of infestation. Apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide throough coverage of all plant foliage and the soil area around<br>the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weekis; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG can act as a be repellent, do not apply<br>within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum afety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.         PEAR       Pear Slug<br>Periodical Cicada       0.025       4.8-14.5       2.0-5.8       26-9       28   |                  |  |               |               |              |                                       |      |  |  |
| CANEBERRIES<br>(blackberries,<br>raspberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewberries,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewbers,<br>dewers,<br>dewbers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers,<br>dewers, |                  |  |               |               |              |                                       |      |  |  |
| (blackberries,<br>raspberries,<br>boysenberries,<br>dewberries,<br>logan berries,<br>sand a varieties,<br>of these) (OR<br>& WA only)       Leafrolter<br>Orange Tortrix<br>Aphids       0.05       Image: Construct the set of the set o   |                  |  | · ·           |               | t new teedi  |                                       |      |  |  |
| raspberries,<br>logan berries,<br>logan berries,<br>and a varieties,<br>of these) (OR<br>& WA only)       Adult Root Weevils*       0.05       9.6       13         *Aids in control.<br>Do not apply by air.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply this product through any type of irrigation system.<br>Oblique Bandel Leafroller Orange Tortrix andAphids; Apply as a full<br>coverage spray in a minimum of 50 gallons of water with ground<br>equipment only. Apply no carlier than 12 days before harvest and no later<br>than 7 days before harvest.<br>Adult Root Weevils; Look for leaf notching beginning in late May to<br>early June as the first sign of weevil feeding. Also check for adults on or<br>just below the soil surface around the base of plants. Apply<br>ESFENVALERATE AG within two to three weeks of infestation. Apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide thorough coverage of all plant foliage and the soil area around<br>the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weevils are actively feeding. Root<br>weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG in the evening after sumset.       26-9       28         PEAR       Pear Psyla<br>Goding Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada       0.025-<br>0.075       4.8-14.5       2.0-5.8       26-9       28   |                  | -  |               | 4.8-9.6       |              | 26-13                                 | 7    |  |  |
| boysenberries,<br>dewberries,<br>youngberries,<br>and a varieties,<br>of these) (OR<br>& WA only)       Aduit Root Weevils*       0.05       9.6       13         *Aids in control.<br>Do not apply by air.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply is product through any type of irrigation system.<br>Oblique Banded Leafroller Orange Tortrix andAphids; Apply as a full<br>coverage spray in a minimum of 50 gallons of water with ground<br>equipment only. Apply no carlier than 12 days before harvest and no later<br>than 7 days before harvest.<br>Aduit Root Weevils; Look for leaf notching beginning in late May to<br>early June as the first sign of 50 gallons of water per acre. Direct spray<br>to provide thorough coverage of all plant foliage and the soil area around<br>the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weevils are actively feeding. Root<br>weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG on the Yeening after dark<br>when stepres of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. Franking after dark<br>when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG in the evening after subset.       26-9       28         PEAR       Pear Psyla       0.025-<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug       0.025-<br>0.075       4.8-14-5       2.0-5.8       26-9       28   | •                |  | 0.05          |               |              |                                       |      |  |  |
| dewberries,<br>logan berries,<br>and a varieties,<br>of these) (OR       Adult Root Weevils*       0.05       9.6       13         *Aids in control.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply this product through any type of irrigation system.         Oblique Banded Leafroller Orange Tortrix and Aphids:<br>Apply as a full<br>coverage spray in a minimum of 50 gallons of water with ground<br>equipment only. Apply no carlier than 12 days before harvest and no later<br>than 7 days before harvest.<br>Adult Root Weevils: Look for leaf notching beginning in late May to<br>early June as the first sign of weevil feeding. Also check for adults on or<br>just below the soil surface around the base of plants. Apply<br>ESFENVALERATE AG within two to three weeks of infestation. Apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide thorough coverage of all plant foliage and the soil area around<br>the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weevils are actively feeding. Root<br>weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG in the evening after sunset.         PEAR       Pear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cleada       0.025-<br>4.8-14.5       2.0-5.8       26-9       28   |                  |  |               |               |              |                                       |      |  |  |
| logan berries,<br>youngberries,<br>and a varieties,<br>of these) (OR<br>& WA only)       Adult Root Weevils*       0.05       9.6       13         * Adis in control.<br>Do not apply by air.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply this product through any type of irrigation system.<br>Oblique Banded Leafroller Orange Tortrix and Aphids; Apply as a full<br>coverage spray in a minimum of 50 gallons of water with ground<br>equipment only. Apply no carlier than 12 days before harvest and no later<br>than 7 days before harvest.<br>Adult Root Weevils; Look for leaf notching beginning in late May to<br>early June as the first sign of weevil feeding. Also check for adults on or<br>just below the soil surface around the base of plants. Apply<br>ESFENVALERATE AG within two to three weeks of infestation. Apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide thorough coverage of all plant foliage and the soil area around<br>the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weevils are actively feeding. Root<br>weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG can act as a bee repellent, do not apply<br>within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.         PEAR       Pear Psyla       0.025-<br>0.075       4.8-14.5       2.0-5.8       26-9       28         Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug       0.025-<br>Pear Slug       4.8-14.5       2.0-5.8       26-9       28  | _                | Aphids   |               |               |              |                                       |      |  |  |
| youngberries,<br>and a varieties,<br>of these) (OR<br>& WA only)       Aduit Root Weevils*       0.05       9.6       13         *Aids in control.<br>Do not apply by air.<br>Do not apply by air.<br>Do not apply this product through any type of irrigation system.<br>Oblique Banded Leafroller Orange Tortrix and Aphids;<br>Apply as a full<br>coverage spray in a minimum of 50 gallons of water with ground<br>equipment only. Apply no earlier than 12 days before harvest and no later<br>than 7 days before harvest.         Adult Root Weevils;<br>Look for leaf notching beginning in late May to<br>early June as the first sign of weevil feeding. Also check for adults on or<br>just below the soil surface around the base of plants. Apply<br>ESFENVALERATE AG within two to three weeks of infestation. Apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide thorough coverage of all plant foliage and the soil area around<br>the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weevils are actively feeding. Root<br>weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG can act as a be repellent, do not apply<br>within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.         PEAR       Pear Psylla       0.025-<br>0.075       4.8-14.5       2.0-5.8       26-9       28         Coding Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada       0.025-<br>0.075       4.8-14.5       2.0-5.8       26-9       28  |                  |  |               |               |              |                                       |      |  |  |
| and a varieties,<br>of these) (OR<br>& WA only)       Adult Root Weevils*       0.05       9.6       13         *Aids in control.<br>Do not apply by air.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply this product through any type of irrigation system.<br>Oblique Banded Leafroller Orange Tortrix andAphids; Apply as a full<br>coverage spray in a minimum of 50 gallons of water with ground<br>equipment only. Apply no earlier than 12 days before harvest and no later<br>than 7 days before harvest.<br>Adult Root Weevils; Look for leaf notching beginning in late May to<br>early June as the first sign of weevil feeding. Also check for adults on or<br>just below the soil surface around the base of plants. Apply<br>ESFENVALERATE AG within two to three weeks of infestation. Apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide thorough coverage of all plant foliage and the soil area around<br>the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weevils are actively feeding. Root<br>weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG can act as a bre repellent, do not apply<br>within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.         PEAR       Pear Psylla       0.025-<br>0.075       4.8-14.5       2.0-5.8       26-9       28         Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada       0.025-<br>0.075       4.8-14.5       2.0-5.8       26-9       28   |                  |  |               |               |              |                                       |      |  |  |
| of these) (OR<br>& WA only)       Adult Root Weevils*       0.05       9.6       13         * Aids in control.<br>Do not apply by air.<br>Do not apply more than 0.15 lb ai per acre per season.<br>Do not apply this product through any type of irrigation system.<br>Obligue Banded Leafroller Orange Tortrix andAphids; Apply as a full<br>coverage spray in a minimum of 50 gallons of water with ground<br>equipment only. Apply no earlier than 12 days before harvest and no later<br>than 7 days before harvest.<br>Adult Root Weevils; Look for leaf notching beginning in late May to<br>early June as the first sign of weevil feeding. Also check for adults on or<br>just below the soil surface around the base of plants. Apply<br>ESFENVALERATE AG within two to three weeks of infestation. Apply<br>by ground using a minimum of 50 gallons of water per acre. Direct spray<br>to provide thorough coverage of all plant foliage and the soil area around<br>the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weevils are actively feeding. Root<br>weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG can act as a bree-ploem or post-bloom spray<br>only. Remove bees prior to apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to apply as a pre-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.  |                  |  |               |               |              |                                       |      |  |  |
| & WA only)       Adult Root Weevils*       0.05       9.6       13         *Aids in control.       Do not apply by air.       Do not apply by air.       Do not apply this product through any type of irrigation system.         Oblique Banded Leafroller Orange Tortrix and Aphids;       Apply as a full coverage spray in a minimum of 50 gallons of water with ground equipment only. Apply no earlier than 12 days before harvest and no later than 7 days before harvest.       Adult Root Weevils;       Look for leaf notching beginning in late May to early June as the first sign of weevil feeding. Also check for adults on or just below the soil surface around the base of plants. Apply         ESFENVALERATE AG within two to three weeks of infestation. Apply by ground using a minimum of 50 gallons of water per acre. Direct spray to provide thorough coverage of all plant foliage and the soil area around the base of the plant. Best results are from applications made after dark when temperatures are warm and weevils are actively feeding. Root weevils emerge over a period of several weeks; make subsequent applications when signs of new feeding appear.         NOTE:       ESFENVALERATE AG in the evening after sunset.         PEAR       Pear Psylla       0.025-       4.8-14.5       2.0-5.8       26-9       28         Codling Moth       0.075       0.075       48-14.5       2.0-5.8       26-9       28  | and a varieties, |  |               |               |              |                                       |      |  |  |
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| *Aids in control.         Do not apply by air.         Do not apply more than 0.15 lb ai per acre per season.         Do not apply this product through any type of irrigation system.         Oblique Banded Leafroller Orange Tortrix andAphids; Apply as a full coverage spray in a minimum of 50 gallons of water with ground equipment only. Apply no earlier than 12 days before harvest and no later than 7 days before harvest.         Adult Root Weevils;       Look for leaf notching beginning in late May to early June as the first sign of weevil feeding. Also check for adults on or just below the soil surface around the base of plants. Apply ESFENVALERATE AG within two to three weeks of infestation. Apply by ground using a minimum of 50 gallons of water per acre. Direct spray to provide thorough coverage of all plant foliage and the soil area around the base of the plant. Best results are from applications made after dark when temperatures are warm and weevils are actively feeding. Root weevils emerge over a period of several weeks; make subsequent applications when signs of new feeding appear.         NOTE:       ESFENVALERATE AG in the evening after sunset.         PEAR       Pear Psylla       0.025-       4.8-14.5       2.0-5.8       26-9       28         Coding Moth       0.075       0.075       28-9       28         Pear Slug       Pear Slug       0.075       20-5.8       26-9       28  | & WA only)       |  |               |               |              |                                       |      |  |  |
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| to provide thorough coverage of all plant foliage and the soil area around<br>the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weevils are actively feeding. Root<br>weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG can act as a bee repellent, do not apply<br>within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.2.0-5.826-928PEARPear Psylla<br>Codling Moth<br>Brear Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada0.025-<br>0.0754.8-14.52.0-5.826-928  |                  |  |               |               |              |                                       |      |  |  |
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| when temperatures are warm and weevils are actively feeding. Root<br>weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG can act as a bee repellent, do not apply<br>within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.Zena 28PEARPear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada0.025-<br>4.8-14.54.8-14.5<br>2.0-5.8Ze-928  |                  | the base of the plant. Best results are from applications made after dark<br>when temperatures are warm and weevils are actively feeding. Root |               |               |              |                                       |      |  |  |
| weevils emerge over a period of several weeks; make subsequent<br>applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG can act as a bee repellent, do not apply<br>within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.PEARPear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada0.025-<br>4.8-14.54.8-14.5<br>2.0-5.826-928  |                  |  |               |               |              |                                       |      |  |  |
| applications when signs of new feeding appear.<br>NOTE: ESFENVALERATE AG can act as a bee repellent, do not apply<br>within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.PEARPear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada0.025-<br>0.0754.8-14.5<br>Line2.0-5.8<br>Line<br>2.0-5.826-9<br>Line<br>2.0-5.828   |                  |  |               |               |              |                                       |      |  |  |
| NOTE:ESFENVALERATE AG can act as a bee repellent, do not apply<br>within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.PEARPear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada0.025-<br>0.0754.8-14.5<br>Leafrollers<br>Leafrollers<br>Leafrollers26-9<br>Leafrollers<br>Leafrollers  |                  |  |               |               | and subsequ  | ieilt i                               |      |  |  |
| within 7 days of pollination. Apply as a pre-bloom or post-bloom spray<br>only. Remove bees prior to application. For maximum safety to bees,<br>apply ESFENVALERATE AG in the evening after sunset.PEARPear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada0.025-<br>0.0754.8-14.5<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leafrollers<br>Leaf   |                  |  |               |               |              | la mat ar-1                           |      |  |  |
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| apply ESFENVALERATE AG in the evening after sunset.PEARPear Psylla0.025-4.8-14.52.0-5.826-928Codling Moth0.0750.0754.8-14.52.0-5.826-928Green FruitwormPlum Curculio4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear SlugPear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear SlugPear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear SlugPear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5Pear Slug4.8-14.54.8-14.54.8-14.54.8-14.54.8-14.54.8-14.5<   |                  |  |               |               |              |                                       |      |  |  |
| PEARPear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada0.025-<br>0.0754.8-14.5<br>2.0-5.826-928  |                  |  |               |               |              | to bees,                              |      |  |  |
| Codling Moth     0.075       Green Fruitworm     Plum Curculio       Leafrollers     Pear Slug       Periodical Cicada     Image: Control of the second seco   |                  | apply ESPENVALERAT   |               |               | 1            |                                       |      |  |  |
| Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug<br>Periodical Cicada   |                  |  |               | 1 A X-14 5    | 2.0-5.8      | 26-9                                  | - 7V |  |  |
| Plum Curculio         Leafrollers         Pear Slug         Periodical Cicada   | PEAR             | Pear Psylla  |               | 4.0 1.4.5     |              | I I I I I I I I I I I I I I I I I I I | 20   |  |  |
| Leafrollers<br>Pear Slug<br>Periodical Cicada   | PEAR             | Pear Psylla<br>Codling Moth  |               | 4.0 14.5      |              |                                       | 20   |  |  |
| Pear Slug<br>Periodical Cicada  | PEAR             | Pear Psylla<br>Codling Moth<br>Green Fruitworm   |               | 4.0 14.5      |              |                                       | 20   |  |  |
| Periodical Cicada   | PEAR             | Pear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio  |               | 4.0 14.5      |              |                                       | 20   |  |  |
|   | PEAR             | Pear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers   |               | 1.0 11.3      |              |                                       | 20   |  |  |
| Do Not apply more than 0.375 lbs. a i ner acre per season   | PEAR             | Pear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers   |               | 1.0 [11.5     |              |                                       | 20   |  |  |
|   | PEAR             | Pear Psylla<br>Codling Moth<br>Green Fruitworm<br>Plum Curculio<br>Leafrollers<br>Pear Slug  |               | 4.0 [11.5     |              |                                       | 20   |  |  |

| PEAR<br>(dormant)   | Do not apply more than 0.225 lb. a.i. per acre between bloom and harvest.Do not feed or graze livestock on treated orchard floors. For dilute spray<br>apply 200 – 600 gals per acre, but do not apply more than 14.5 fl. oz. of<br>ESFENVALERATE AG per acre per treatment.Pear Psylla0.05-0.19.6-19.27.3-12.813.2-6.6Apply during dormant to prebloom (whitd bud) stage only. Do not apply<br>more than 0.2 lb. a.i. per acre per season. Do not graze orchard floor. For<br> |                                  |                    |         |      |      |
|---|---|----------------------------------|--------------------|---------|------|------|
| STONE FRUITS<br>(including<br>apricots,<br>cherries,<br>nectarines,<br>peaches,<br>plums, prune<br>plums) | Peach Twig Borer<br>Oriental Fruit Moth<br>Peach tree Borer<br>Plum Curculio<br>Lesser Peach Tree<br>Borer<br>Periodical Cicada<br>Cherry Fruit Fly<br>Western Cherry Fruit<br>Fly<br>American Plum Borer<br>Black Cherry Aphid<br>Leafrollers<br>Leafhoppers<br>Green Fruitworm<br>Plant Bugs<br>(Tarnished Plant<br>Bug, Stink Bugs)  | 0.025-<br>0.075                  | 4.8-14.5           | 2.0-5.8 | 26-9 | 14   |
|   | Peach Twig Borer<br>(Dormant) (CA only)<br>Tufted Apple Bud<br>Moth<br>(overwintering)<br>(Peach only) (MD,<br>NC, NJ, PA, CA<br>and only)  | 0.04-<br>0.075<br>0.04-<br>0.075 | 8-14.5<br>8.0-14.5 | 3.1-5.8 | 16-9 | 16-9 |

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|---------|---|---|--|---|--|----|
|         | Do not apply more than 0  |   |  |   |  |    |
|         | than 0.3 lbs. a.i. per acre per season between bloom and harvest. For dilute  |   |  |   |  |    |
|         | spray apply 200 – 400 ga  |   |  |   |  |    |
|         | of ESFENVALERATE A  | • •   | er treatment   | t. Do not gi  | raze livestock   |    |
|         | on treated orchard floors.  |   |  |   |  |    |
|         | Peach Tree Borer, Americ  |   |  |   |  |    |
|         | Apply as directed trunk a   |   | mb spray. '  | Thorough c  | overage of   |    |
|         | trunk and scaffold limbs i  |   |  |   |  |    |
|         | Peach Twig Borer, Plum  |   |  |   |  |    |
|         | Western Cherry Fruit Fly.   |   |  |   |  |    |
|         | <u>Cicada Control</u> – Apply b   |   | ayer to achi   | eve thoroug   | gh coverage of   |    |
|         | all aerial portions of the tr   |   |  |   |  |    |
|         | Plant Bug Control - Time  |   |  |   |  |    |
|         | Use prebloom and postblo  | oom spray tin   | nings recom  | imended by  | State  |    |
|         | Extension Services.   |   |  |   |  |    |
|         | Peach Twig Borer (Dorma   | <u>ant)—</u> Make a   | pplication   | with an EPA   | A registered   |    |
|         | dormant oil; for specific r   | ecommendati   | ions on use  | of oil consu  | ılt  |    |
|         | manufacturer's label. For   | r best perform  | ance, groui  | nd applicati  | on equipment   |    |
|         | is recommended.   |   |  |   |  |    |
|         | Tufted Apple Bud Moth (   |   |  |   |  |    |
|         | of overwintering larvae of  |   |  |   |  |    |
|         | application to the peach o  |   |  |   |  |    |
|         | ESFENVALERATE AG  | at either pope  | corn stage o   | f peach or a  | at shucksplit  |    |
|         | stage of peach.   |   |  |   |  |    |
|         | Use the lower rate on sma   |   |  |   |  |    |
|         | populations. Use the high   |   |  | shucksplit  | stage of   |    |
|         | peach) and/or on moderat  |   |  |   |  |    |
|         | Apply specific dosage per   |   |  |   |  |    |
|         | of water per acre by grour  |   |  |   |  |    |
|         | in a band from trunk to dr  |   |  |   |  |    |
|         | overwintering tufted apple  |   |  |   | JNARY  |    |
|         | STATEMENT - BENEFI  |   |  |   |  |    |
|         | ESFENVALERATE AG  |   |  |   |  |    |
|         | development may be toxic  | c to overwint   | ering Steind   | orus punciu   | m. S. puncium  |    |
|         |   | At  |  | 1 Jan malana 1  |  |    |
|         | is a coccinellid insect and   |   |  |   | n the MD,  |    |
|         | is a coccinellid insect and<br>NC, NJ, PA, VA and WV  | fruit growing   | g areas. Th  | is predator   | n the MD,<br>overwinters in  |    |
|         | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch  | fruit growing<br>ard groundco   | g areas. Th<br>over as the t   | is predator<br>ufted apple  | n the MD,<br>overwinters in<br>bud moth and  |    |
|         | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro  | fruit growing<br>ard grounded<br>om mid-April   | g areas. Th<br>over as the t<br>through M  | is predator<br>ufted apple<br>id-May who  | n the MD,<br>overwinters in<br>bud moth and<br>en maximum  |    |
|         | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed   | fruit growing<br>ard grounded<br>om mid-April<br>168° F. Emer   | g areas. The<br>over as the t<br>through M<br>rgence from  | is predator<br>ufted apple<br>id-May when<br>the ground   | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-  |    |
|         | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks  | fruit growing<br>aard groundee<br>om mid-April<br>68° F. Emer<br>split. Shucks  | g areas. The<br>over as the t<br>through M<br>rgence from  | is predator<br>ufted apple<br>id-May when<br>the ground   | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-  |    |
|         | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed   | fruit growing<br>aard groundee<br>om mid-April<br>68° F. Emer<br>split. Shucks  | g areas. The<br>over as the t<br>through M<br>rgence from  | is predator<br>ufted apple<br>id-May when<br>the ground   | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-  |    |
|         | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks  | fruit growing<br>aard groundee<br>om mid-April<br>68° F. Emer<br>split. Shucks  | g areas. The<br>over as the t<br>through M<br>rgence from  | is predator<br>ufted apple<br>id-May when<br>the ground   | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-  |    |
|         | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks  | fruit growing<br>aard groundee<br>om mid-April<br>68° F. Emer<br>split. Shucks  | g areas. The<br>over as the t<br>through M<br>rgence from  | is predator<br>ufted apple<br>id-May when<br>the ground   | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-  |    |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicit   | fruit growing<br>ard grounded<br>om mid-April<br>l 68° F. Emer<br>split. Shucks<br>y.   | g areas. The<br>over as the t<br>through M<br>rgence from<br>plit is the p   | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim  | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to                                    | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity  | fruit growing<br>aard groundee<br>om mid-April<br>68° F. Emer<br>split. Shucks  | g areas. The<br>over as the t<br>through M<br>rgence from  | is predator<br>ufted apple<br>id-May when<br>the ground   | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-  | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity<br>Navel Orangeworm<br>Peach Twig Borer  | fruit growing<br>ard grounded<br>om mid-April<br>l 68° F. Emer<br>split. Shucks<br>y.   | g areas. The<br>over as the t<br>through M<br>rgence from<br>plit is the p   | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim  | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to                                    | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity<br>Navel Orangeworm<br>Peach Twig Borer<br>Peach Twig Borer  | fruit growing<br>ard grounded<br>om mid-April<br>l 68° F. Emer<br>split. Shucks<br>y.   | g areas. The<br>over as the t<br>through M<br>rgence from<br>plit is the p   | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim  | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to                                    | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity<br>Navel Orangeworm<br>Peach Twig Borer<br>Peach Twig Borer<br>(Dormant) (CA only)   | fruit growing<br>ard grounded<br>om mid-April<br>1 68° F. Emer<br>split. Shucks<br>y.<br>0.05-0.1   | g areas. The<br>over as the t<br>through M<br>rgence from<br>plit is the pr<br>9.6-19.2  | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim<br>7.3-12.8  | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to                                    | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity<br>Navel Orangeworm<br>Peach Twig Borer<br>Peach Twig Borer<br>(Dormant) (CA only)<br>Do not apply more than 0.  | fruit growing<br>aard groundee<br>om mid-April<br>68° F. Emer<br>split. Shucks<br>y.<br>0.05-0.1<br>.2 lb. a.i. per   | g areas. The<br>over as the t<br>through M<br>rgence from<br>plit is the pu<br>9.6-19.2<br>acre per sea  | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim<br>7.3-12.8  | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to                                    | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity<br>Navel Orangeworm<br>Peach Twig Borer<br>Peach Twig Borer<br>(Dormant) (CA only)<br>Do not apply more than 0<br>Do not graze livestock on  | fruit growing<br>aard grounded<br>om mid-April<br>68° F. Emer<br>split. Shucks<br>y.<br>0.05-0.1<br>.2 lb. a.i. per<br>treated orcha  | g areas. The<br>over as the t<br>through M<br>rgence from<br>plit is the pr<br>9.6-19.2<br>acre per sea<br>ard floors.                               | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim<br>7.3-12.8  | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to<br>13.2-6.6                        | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity<br>Navel Orangeworm<br>Peach Twig Borer<br>Peach Twig Borer<br>(Dormant) (CA only)<br>Do not apply more than 0<br>Do not graze livestock on<br>Peach Twig Borer (Dormation)                                  | fruit growing<br>aard grounded<br>om mid-April<br>1 68° F. Emer<br>split. Shucks<br>y.<br>0.05-0.1<br>0.05-0.1<br>.2 lb. a.i. per<br>treated orcha<br>ant) Make a             | g areas. The<br>over as the t<br>through M<br>regence from<br>plit is the pr<br>9.6-19.2<br>acre per sea<br>ard floors.                              | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim<br>7.3-12.8<br>son.                                | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to<br>13.2-6.6<br>A registered        | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity<br>Navel Orangeworm<br>Peach Twig Borer<br>(Dormant) (CA only)<br>Do not apply more than 0<br>Do not graze livestock on<br>Peach Twig Borer (Dorma<br>dormant oil; for specific                              | fruit growing<br>ard grounded<br>om mid-April<br>168° F. Emer<br>split. Shucks<br>y.<br>0.05-0.1<br>0.05-0.1<br>2 lb. a.i. per<br>treated orcha<br>ant)—Make a<br>recommendat | g areas. The<br>over as the t<br>through M<br>rgence from<br>plit is the pr<br>9.6-19.2<br>acre per sea<br>ard floors.<br>application<br>ions on use | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim<br>7.3-12.8<br>uson.<br>with an EPA<br>of oil cons | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to<br>13.2-6.6<br>A registered<br>ult | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity<br>Navel Orangeworm<br>Peach Twig Borer<br>(Dormant) (CA only)<br>Do not apply more than 0<br>Do not graze livestock on<br>Peach Twig Borer (Dorma<br>dormant oil; for specific<br>manufacturer's label. For | fruit growing<br>ard grounded<br>om mid-April<br>168° F. Emer<br>split. Shucks<br>y.<br>0.05-0.1<br>0.05-0.1<br>2 lb. a.i. per<br>treated orcha<br>ant)—Make a<br>recommendat | g areas. The<br>over as the t<br>through M<br>rgence from<br>plit is the pr<br>9.6-19.2<br>acre per sea<br>ard floors.<br>application<br>ions on use | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim<br>7.3-12.8<br>uson.<br>with an EPA<br>of oil cons | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to<br>13.2-6.6<br>A registered<br>ult | 21 |
| Almonds | is a coccinellid insect and<br>NC, NJ, PA, VA and WV<br>the same areas of the orch<br>moves into peach trees fro<br>daily temperatures exceed<br>100% complete by shucks<br>minimize predator toxicity<br>Navel Orangeworm<br>Peach Twig Borer<br>(Dormant) (CA only)<br>Do not apply more than 0<br>Do not graze livestock on<br>Peach Twig Borer (Dorma<br>dormant oil; for specific                              | fruit growing<br>ard grounded<br>om mid-April<br>168° F. Emer<br>split. Shucks<br>y.<br>0.05-0.1<br>0.05-0.1<br>2 lb. a.i. per<br>treated orcha<br>ant)—Make a<br>recommendat | g areas. The<br>over as the t<br>through M<br>rgence from<br>plit is the pr<br>9.6-19.2<br>acre per sea<br>ard floors.<br>application<br>ions on use | is predator<br>ufted apple<br>id-May who<br>the ground<br>referred tim<br>7.3-12.8<br>uson.<br>with an EPA<br>of oil cons | n the MD,<br>overwinters in<br>bud moth and<br>en maximum<br>I cover is 90-<br>ing to<br>13.2-6.6<br>A registered<br>ult | 21 |

|         | Leafroller   |                | l            |               | []            | , <u>11.,.m</u> i                     |
|---------|--|----------------|--------------|---------------|---------------|---------------------------------------|
|         | Make first application at  | fter emergence | of filbert w | vorm moths    | in early      | · · · · · · · · · · · · · · · · · · · |
|         | summer. Do not apply a   |                |              |               |               |                                       |
|         | first. Do not apply more   |                |              |               |               |                                       |
|         | spray, apply 200 – 400 g   |                |              |               |               |                                       |
|         | of ESFENVALERATE   | AG per acre p  | er treatment | . Do not gr   | aze livestock |                                       |
|         | on treated orchard floors  |                |              |               |               |                                       |
|         |  |                | 1            |               |               |                                       |
| Pecans  | Pecan Weevil   | 0.025-         | 4.8-14.5     | 2.0-5.8       | 26-9          | 21                                    |
|         | Hickory Shuckworm  | 0.075          |              | ) .           |               |                                       |
|         | Pecan Nut Casebearer   |                |              |               |               |                                       |
|         | Pecan Aphids   |                |              |               |               |                                       |
|         | Pecan Spittlebug   |                |              |               |               |                                       |
|         | Pecan Stem   |                |              |               |               |                                       |
|         | Phylloxera   |                |              |               |               |                                       |
|         | Peccan Leaf  | 1              | í            | j l           | ľ             |                                       |
|         | Phylloxera   |                |              |               |               |                                       |
|         | Do not feed or graze livestock on treated orchard floors.                      |                |              |               |               |                                       |
|         | Do not apply more than   |                |              |               |               |                                       |
|         | apply 200 – 600 gals per   |                |              | ore than 14.  | 5 fl. oz. of  |                                       |
|         | ESFENVALERATE AC   |                |              |               |               |                                       |
|         | Phylloxera – Correct tim   |                |              |               |               |                                       |
|         | optimum control of leaf  |                |              | isult local s | pray          |                                       |
|         | recommendations for co   |                |              |               |               |                                       |
| Walnuts | Walnut Aphid   | 0.05-0.1       | 9.6-19.2     | 4.0           | 13-6          | 21                                    |
|         | Walnut Husk Fly  |                |              |               |               |                                       |
|         | Codling Moth   |                |              |               |               |                                       |
|         | Navel Orangeworm   |                |              |               |               |                                       |
|         | Do not apply more than   |                |              |               | ļ             |                                       |
|         | For dilute sprays, apply   |                | s per acre.  | Do not feed   | or graze      |                                       |
|         | livestock on treated crop  |                |              |               |               |                                       |
|         | NOTE: Use of baits in V  |                |              | recommend     | led where     |                                       |
|         | endorsed by local Agricu   |                |              |               |               |                                       |
|         | CONCENTRATE SPRA   |                |              |               |               |                                       |
|         | than 30 gals. Of water per acre by ground or 5 gals. of water per acre by air. |                |              |               |               |                                       |

# SPECIFIC USES - VEGETABLE CROPS

| Сгор                               | Insect  |                                | ition Rate                        | Acr<br>gal | es treated per       | Last<br>Application  |
|------------------------------------|---|--------------------------------|-----------------------------------|------------|----------------------|----------------------|
| Crop                               | mote  | lb ai/acre                     | fl oz/acre                        |            | ENVALERATE           | (days to<br>harvest) |
| Artichoke                          | Artichoke Plume Moth  | 0.03-0.05                      | 5.8-9.6                           |            | 22 - 13              | 1                    |
|                                    | Do not apply more often tha<br>between bud formation and<br>10 gallons per acre by air an<br>water to obtain coverage wit   | harvest of an<br>id 50 – 200 g | individual fru<br>allons per acro | uit. Ap    | oply in a minimum of |                      |
| Beans, Dry<br>Peas, Dry<br>Lentils | Mexican Bean Beetle<br>Saltmarsh Caterpillar  | 0.015 - 0                      | 0.03 2.9 -                        | 5.8        | 44 - 22              | 21                   |
|                                    | Corn Earworm<br>Potato Leafhopper<br>Pea Aphid<br>Grasshoppers<br>Leafhoppers<br>Cowpea Curculio<br>Cutworms<br>Cabbage Looper<br>Western Bean Cutworm<br>Velvetbean Caterpillar<br>Beet Armyworm*<br>Cucumber Beetle<br>Corn Rootworm (Adults)<br>Painted Lady Butterfly<br>(larvae)<br>Green Cloverworm | 0.03 - 0.0                     | 05 5.8 -                          | 9.6        | 22 - 13              |                      |
|                                    | Pea Weevil (ID, OR & WA<br>only)<br>Pea Leaf Weevil<br>(ID, OR & WA only)   | 0025 - 0                       | 0.05 4.8 -                        | 9.6        | 26 - 13              |                      |
|                                    | Leafhoppers (except CA)   | 0.015 - 0                      | .05 2.9 –                         | 9.6        | 44 - 13              |                      |

|   | Do not apply more than 0.2 lb a.i per acre per season.<br>Do not feed or graze livestock on treated vines.<br>*Aids in control.<br><u>Pea Weevil &amp; Pea Leaf Weevil (ID, OR &amp; WA)</u> – Time of applicaton is critical<br>in achieving control of pea weevil. For optimum results, apply a bloom prior to<br>detecting adult pea weevils. Once adult pea weevil populations reach a level of 2<br>or more adults per 25 sweeps, control may be reduced.<br><u>Leafhoppers (except CA)</u> – ESFENVALERATE AG may be tank mixed with<br>DuPont <sup>TM</sup> BENLATE Fungicide. Follow as ESFENVALERATE AG and<br>BENLATE label directions regarding proper usage. A "jar test" for physical<br>compatibility should be conducted before field mixtures are made and applications<br>initiated. Order of addition of tank mix components may affect compatibility.<br>For best results, use of spray equipment having continuous agitation is<br>recommended. |                                      |           |              |   |  |
|---|---|--------------------------------------|-----------|--------------|---|--|
| Beans, Snap   | Mexican Bean Beetle<br>Saltmarsh Caterpillar  | 0.015 - 0.03                         | 2.9-5.8   | 44 - 22      | 3 |  |
|   | Potato Leafhopper<br>European Corn Borer<br>Corn Earworm<br>Cucumber Beetle (adults)<br>Flea Beetle<br>Green Cloverworm<br>Cutworm (seedling spray)<br>Grasshoppers<br>Pea Aphid<br>Leahopper<br>Cabbage Looper<br>Western Bean Cutworm<br>Velvet Bean Caterpillar<br>Beet Armyworm*<br>Cucumber Beetle<br>Corn Rootworm (adults)<br>Leafminer (Guam only)  | 0.03 – 0.05<br>ai per acre per seaso | 5.8 - 9.6 | 22 - 13      |   |  |
|   | Do not allow livestock to graz<br>vines for livestock forage, fod<br>*Aids in control.  | e treated bean fields.               |           | treated bean |   |  |
| Broccoli,   | Imported Cabbageworm  | 0.015 - 0.03                         | 2.9 - 5.8 | 44 - 22      | 3 |  |
| (including<br>Chinese<br>Broccoli)<br>Cabbage,<br>Cauliflower,<br>Chinese | Cabbage Looper<br>Beet Armyworm*<br>Alfalfa Looper<br>Flea Beetle<br>Grasshoppers<br>Cutworm  | 0.03 - 0.05                          | 5.8 - 9.6 | 22 - 13      |   |  |

| Cabbage<br>(Tight headed<br>varieties only)   | Do not apply more than 0.4 lbs<br>season.<br>*Aids in control.  |  |                |                |   |
|---|---|--|----------------|----------------|---|
| Carrots   | Aster Leafhopper<br>Cutworms<br>Leafhoppers   | 0.03 - 0.05                                    | 5.8 - 9.6      | 22 – 13        | 7 |
|   | Carrot Weevil*  | 0.05   | 9.6            | 13             |   |
|   | Do not apply more than 0.5 ai/<br>For aerial application apply in a<br><u>*Carrot Weevil</u> – Begin treatme<br>Thorough spray coverage of creating<br>recommended.   | a minimum of 5 gals w<br>ent when weevils beco | me active.     | application is |   |
| Collards  | Imported Cabbageworm<br>Cabbage Looper<br>Beet Armyworm*<br>Alfalfa Looper<br>Flea Beetle<br>Grasshopper<br>Cutworm   | 0.03 - 0.05                                    | 5.8-9.6        | 22 - 13        | 7 |
|   | Do not feed livestock on treated<br>per acre per season. For aerial<br>acre.<br>*Aids in control.   |  |                |                |   |
| CUCUMBER,<br>MELONS<br>(Cantaloupe,<br>Honeydew<br>Melons,<br>Watermelon,<br>Muskmelon),<br>PUMPKIN,<br>SQUASH<br>(Summer,<br>Winter) | Pickleworm<br>Rindworms<br>Leafhoppers<br>Corn Earworm<br>Cabbage Looper<br>Squash Bug<br>Cutworms (seedling<br>spray)<br>Cucumber Beetle (adults)<br>Grasshoppers<br>Plant Bugs<br>(Lygus Bugs, Stink Bugs)<br>Squash Vine Borer | 0.03 – 0.05                                    | 5.8 - 9.6      | 22 - 13        | 3 |
|   | Do not apply more than 0.25 lbs   | s. a.i. per acre per seas                      | on.            | <u> </u>       |   |
| Eggplant  | Colorado Potato Beetle<br>Flea Beetles<br>Corn Earworm<br>Loopers<br>European Corn Borer  | 0.03 - 0.05                                    | 5.8 - 9.6      | 22 - 13        | 7 |
|   | Apply when insects are observe  |  |                |                |   |
|   | applications at 7 to 10 day inter<br>0.35 lbs. a.i. per acre per season   |  | . Do not apply | more than      |   |

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| only)                              | Do not apply more than 0.4 lbs.  | a.i. per acre per seas   | on                                  |            |   |
|------------------------------------|--|--|-------------------------------------|------------|---|
| Lentils<br>Lettuce, Head           | See "Beans, Dry"<br>Cabbage Looper   | 0.025 - 0.05   | 4.8-9.6                             | 26 - 13    | 7 |
| AZ, CA, CO,<br>FL, NM & TX<br>ONLY | Alfalfa Looper<br>Heliothis spp.<br>Beet Armyworm*   |  |                                     |            | · |
|                                    | Do not apply more than 0.35 lbs<br>*Aids in Control  | s. a.i. per acre per sea   | son.                                |            |   |
| Mustard<br>Greens                  | Cabbage Looper<br>Imported Cabbageworm   | 0.05   | 9.6                                 | 13         | 7 |
|                                    | Do not apply more than 0.2 lbs/  | a.i. per acre per seaso  | on.                                 |            |   |
| Peas, Dry                          | See "Beans, Dry"   |  |                                     |            |   |
| Peas, Green                        | Pea Aphid<br>Green Cloverworm  | 0.015 - 0.03   | 2.9 - 5.8                           | 44 - 22    | 3 |
|                                    | Cabbage Looper<br>Celery Looper<br>Alfalfa Looper<br>Cutworms<br>Armyworm<br>Corn Earworm<br>Imported Cabbageworm<br>Alfalfa Caterpillar   | 0.03 - 0.05  | 5.8 - 9.6                           | 22 - 13    |   |
|                                    | Pea Weevil (ID, OR & WA<br>only)<br>Pea Leaf Weevil<br>(ID, OR & WA only)  | 0.025 – 0.05   | 4.8 - 9.6                           | 26 - 13    |   |
|                                    | Do not apply more than 0.1 lb at<br>Do not feed treated pea vines to<br><u>Pea Weevil &amp; Pea Leaf Weevil (</u><br>critical in achieving control of p<br>prior to detecting adult pea weev<br>level of 2 or more adults per 25 | livestock.<br>(ID, OR & WA only)<br>ea weevil. For optim<br>vils. Once adult pea | um results, app<br>weevil populatio | ly a bloom |   |

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0.03 - 0.055.8 - 9.622 - 13 7 Pepper European Corn Borer Beet Armyworm\* Flea Beetles Corn Earworm Loopers' **Colorado Potato Beetle Pepper Weevil\*** Cucumber Beetle (adults) Southern Armyworm Apply when insects are observed or when insect damage is observed. Repeat applications at 7 to 10 day intervals to achieve control. Do not apply more than 0.35 lbs. a.i. per acre per season. \*Aids in control. Potato Psllid 0.015 - 0.032.9 - 5.8 44 - 22 7 Potato Potato Tuberworm 5.8 - 9.6 22 - 13 0.03 - 0.05 Fleabeetles Tranished Plant Bug **Cabbage Looper** Potato Aphid Potato Leafhopper Cucumber Beetle (adult control) Grasshoppers EuropeanCorn Borer Beet Armyworm\* Western Yellow-Striped Armyworm **Buckthorn Aphid** Cutworms **Colorado Potato Beetle Colorado Potato Beetle** 0.05 9.6 13 (Long Island, NY only) Do not apply more than 0.35 lb. a.i. per acre per season. \*Aids in control. 7 Radishes 0.03 - 0.055.8 - 9.6 22 - 13Armyworms Beetles Do not apply more than 0.1 lb. ai/acre per season 0.03 - 0.0522 - 13 5.8 - 9.6 1 Sweet Corn<sup>†</sup> Corn Earworm Southwestern Corn Borer **European Corn Borer** Beet Armyworm\* Flea Beetles Sap Beetles (adults) **Banded Cucumber Beetle Tarnished Plant Bug** 

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|                      | Begin applications either befor<br>maintain control. For protection<br>treat when necessary to mainta<br>directions for use under field co<br>*Aids in control.  | n against corn borers<br>in control. For additic | other than at sill             | king time, |   |
|----------------------|--|--|--------------------------------|------------|---|
|                      | Stalk Borer<br>Cutworms<br>Corn Rootworms (adults)<br>Grasshoppers<br>Chinch Bugs<br>Armyworm  | 0.03 - 0.05                                      | 5.8-9.6                        | 22 - 13    |   |
|                      | Western Bean Cutworm   | 0.015 - 0.03                                     | 2.9 - 5.8                      | 44 - 22    |   |
|                      | For additional information co  | 1<br>nsult directions for use<br>corn.           | e under field                  |            |   |
|                      | Corn Leaf Aphid<br>Oat Bird-Cherry Aphid   | 0.03 - 0. 05                                     | 5.8 - 9.6                      | 22 - 13    |   |
|                      | For optimum results, direct the<br>maximum coverage of the expo<br>such as in whorls and leaf axils<br><b>†Do not apply more than 0.5</b>  | osed insects. Aphids n<br>, may not be adequate  | ot contacted by ly controlled. |            |   |
| Tomato               | Tomato Hornworm<br>Tobacco Hornworm  | 0.015 - 0.03                                     | 2.9 - 5.8                      | 44 - 22    | 1 |
|                      | Tomato Pinworm<br>Flea Beetle<br>Tomato Fruitworm<br>Colorado Potato Beetle<br>Cutworms<br>Cabbage Looper<br>Southern Armyworm<br>Beet Armyworm*<br>Western Yellow-Striped<br>Armyworm<br>Grasshoppers<br>Whitefly<br>Potato Aphid | 0.03 - 0.05                                      | 5.8 - 9.6                      | 22 - 13    |   |
|                      | Vegetable Leafminer**<br>Do not apply more than 0.5 lbs<br>*Aids in control.<br>**ESFENVALERATE AG is n<br>Leafminer in Florida.   |  |                                | 13<br>able |   |
| Turnips (TX<br>only) | Imported cabbageworm<br>Armyworm<br>Fleabeetle   | 0.03 - 0.05                                      | 5.8 - 9.6                      | 22 - 13    | 7 |
|                      | Do not apply more than 0.4 lbs   | a.i. per acre per seaso                          | n.                             |            |   |

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# SPECIALTY USES

|   |  | Applicat     | tion Rate  | Acres treated per             |  |  |
|---|--|--------------|------------|-------------------------------|--|--|
| Сгор  | Insect   | lb ai/acre   | fl oz/acre | gal of<br>ESFENVALERATE<br>AG |  |  |
| NON-CROPLAND<br>(excluding public<br>land such as | Grasshoppers<br>Saltmarsh Caterpillar  | 0.015 - 0.03 | 2.9 – 5.8  | 44 - 22                       |  |  |
| forests, parks, or<br>recreational)               | Armyworms<br>Army Cutworms<br>Chinch Bugs  | 0.03 - 0.05  | 5.8 - 9.6  | 22 - 13                       |  |  |
|   | Spray non-cropland adjacent to tilled areas to control migrating insects<br>(Grasshoppers, Armyworms) which are a threat to crops. Do not apply more than<br>0.5 lbs. active ingredient per acre per year. Do not feed treated crop to livestock.<br>Refer to Spray Recommendations and Precautions when applying to areas adjacent<br>to water. |              |            |                               |  |  |

|   |   | High Vo             |                     |  |
|---|---|---------------------|---------------------|--|
| Сгор  | Insect  | lb ai/100 gal       | fl oz/100 gal       | Low Volume<br>Sprays<br>(Mistblower)<br>Ib ai/acre |
| CHRISTMAS<br>TREE<br>PLANTINGS,<br>CONIFER SEED<br>ORCHARDS,<br>FOREST TREE<br>NURSERIES,<br>CONIFER<br>PLANTATIONS | Nantucket Pine Tip Moth<br>and other Pine Tip Moths<br>(except CA)<br>Spittlebugs<br>Pineleaf Chermid<br>Redheaded Pine Sawfly<br>Balsam Woolly Adelgid<br>Pine Chafer<br>Red Pine Sawfly<br>Pine Conelet Bug<br>European Pine Sawfly<br>Cranberry Girdler<br>(adult Control)<br>Pine Needle Midge<br>Balsam Twig Aphid<br>Spruce budworm | 0.03 - 0.05         | 5.8 – 9.6           | 0.03 - 0.05  |
|   | Spray in sufficient gallonage   | to obtain good cove | rage of entire tree |  |
|   | Pales Weevil  | 0.03 - 0.05         | 5.8 - 9.6           |  |
|   | Northern Pine Weevil  |                     |                     |  |
|   | Dilute formulation in kerosen developing larvae. Use suffic   |                     |                     |  |
| N   | Coneworm  | Applicati           | on Rate             |  |

| Seedbug<br>Seed Chalcid   | <ul> <li>9.6 fl oz/100 gals water for high volume sprayers.</li> <li>52 fl oz/100 gals water for low volume sprayers.</li> <li>0.19 lb. ai/acre application in not less than 10 gals of water for aerial applications.</li> </ul> |  |  |  |  |
|---|---|--|--|--|--|
| <ul> <li>Apply first application within 1 week of female flower closure or peak pollen fl for Webbing Coneworm control. For other Coneworms and Seedbugs, apply fi application within 30 days following female flower closure. Repeat application intervals of 4 weeks but do not apply more than 1.6 lbs. ai per acre per year. For Seed Chalcid control, apply when all cones are pendant, and repeat at 1 - 2 intervals for 2 or more sprays, or as needed.</li> <li>Apply approximately 5 - 10 gals of the 9.6 fl oz/100 gal dilution per tree with h volume sprayers. With low volume sprayers apply 100 gals of the 52 fl oz/100 dilution per acre.</li> <li>Do not graze or harvest cover crop. Refer to Spray Recommendation and Precautions when applying to areas adjacent to water.</li> </ul> |   |  |  |  |  |

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Store in a secure, dry and temperate area. Store in original container. Keep container closed when not in use. Do not store near food or feed. Do not use or store around the home. Avoid contact with water. In case of spill or leak, soak up with sand, earth or synthetic absorbent (do not use alkaline absorbents) and dispose of wastes in compliance with local, State and Federal regulations.

**PRODUCT DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent), then offer for recycling or reconditioning if container reuse is permitted. If container reuse is prohibited, puncture metal containers and dispose of in a sanitary landfill, or by other approved State and local procedures. Dispose of plastic containers in a sanitary landfill, or by incineration if allowed by State and local authorities. If burned, stay out of smoke.

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