

Reg# 352-502  
PM 15 1/17

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 352-502	DATE OF ISSUANCE DEC 29 1986
	TERM OF ISSUANCE REGISTRATION	
	NAME OF PESTICIDE PRODUCT EPA CONCERNED	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

[ Faint, illegible text ]

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: [Signature]

DATE: DEC 29 1986

- b. Immediately beneath the ingredient statement add "Contains Xylene Range Aromatic Solvent". This phrase should be asterisked to Inert Ingredients i.e.

Inert Ingredients\* .....\*

\*Contains Xylene Range Aromatic Solvent.

- c. Delete "& Related Compounds" from ingredient statement.

5. Submit five (5) copies of your final printed labeling before your release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

Sincerely,

George T. LaRocca  
 Product Manager (15)  
 Insecticide-Rodenticide Branch  
 Registration Division (TS-767C)

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**RESTRICTED USE PESTICIDE**

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

**ASANA**

**1.9 Emulsible Concentrate**

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

Corrosive. Causes eye damage and skin burns. May be fatal if swallowed or inhaled. Do not get in eyes, on skin, or on clothing.

**PELIGRO  
PRECAUCION AL USUARIO**

Si usted no lee (ingles), no use este producto hasta que se el etiquetado haya sido explicado ampliamente.



ACL 2524A 7-86

RECEIVED  
U.S. DEPARTMENT OF AGRICULTURE  
WASHINGTON, D.C.

DEC 29 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act the use here for the pesticide is not registered EPA Reg. No. 352-562

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# ASANA™

Insecticide

1.9 Emulsible Concentrate



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SHELL CHEMICAL COMPANY  
 A Division of Shell Oil Company  
 AGRICULTURAL CHEMICALS  
 HOUSTON, TX 77001  
 ACL 2524A 7-86

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# ASANA™ Insecticide 1.9 Emulsible Concentrate

This product contains 1.9 lbs. of ASANA per gallon.

<b>ACTIVE INGREDIENT</b>	<b>BY WEIGHT</b>
(S)-cyano (3-phenoxyphenyl) methyl-(S)- 4-chloro-alpha-(1-methylethyl) benzeneacetate .....	24%
<b>INERT INGREDIENTS &amp; RELATED COMPOUNDS</b> .....	76%
<b>TOTAL</b>	<b>100%</b>

EPA Reg. No. 201-

EPA EST No. 5905-AR-1

### STATEMENT OF PRACTICAL TREATMENT

If less than 2 ml is swallowed per kg of body weight, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. If more than 2 ml per kg body weight is swallowed and vomiting has not occurred, emesis should be induced with supervision by a physician or professional staff. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

For eye contact flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

For skin contact wash with soap and water immediately. After drying, apply vitamin E cream or oil if available. If not available, apply vegetable oil liberally over painful areas. The oil or cream may be used repeatedly until relief is achieved. Get medical help if irritation persists.

If inhaled remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

Remove and wash clothing before reuse.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS — DANGER

**Corrosive** Causes eye damage and skin burns. May be fatal if swallowed or inhaled. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. May cause allergic reactions.

For 24-hour emergency medical assistance, call (713) 473-9461

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and extremely toxic to fish. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

#### WILDLIFE PROTECTION IS EVERYONE'S RESPONSIBILITY

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply ASANA or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Additional information may be obtained by consulting your Cooperative Extension Service.

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### DIRECTIONS FOR USE

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

FOR END-USE ONLY. DO NOT REPACKAGE OR REFORMULATE WITHOUT MANUFACTURER'S WRITTEN APPROVAL.

### REENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "WARNING! Area treated with ASANA Insecticide on (date of application). Do not enter without appropriate protective clothing until sprays have dried. (Insert here action to take in case of accidental exposure. See front panel STATEMENT OF PRACTICAL TREATMENT for details.)"

### GENERAL DIRECTIONS

ASANA™ Insecticide 1.9 Emulsible Concentrate contains 1.9 pounds of active ingredient per gallon. For the applications given below, mix the required amount of ASANA in sufficient diluent to provide uniform coverage (Refer to Use Tables). ASANA may be applied by ground or aerial application equipment. Do not enter treated areas before spray is dry. Do not plant root crops other than those in this label within 12 months after last application. Root crops in this label and all other rotation crops may be planted immediately following last applications.

3

### 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.

**PESTICIDE 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 or burning, if allowed by State and local authorities. If burned, stay out of smoke. Dispose of glass containers in a sanitary landfill or by other approved State and local procedures.

In case of a significant spill, call CHEMTREC (800) 424-9300 or (713) 473-9461.

### NOTICE OF WARRANTY

SHELL CHEMICAL COMPANY MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.

Sumitomo Chemical Company, Ltd., holds U.S. Patents for the active ingredient. Sales by Shell Chemical Company of products containing the active ingredient are made under agreements with Sumitomo Chemical Company, Ltd.

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COTTON

Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions	Days to Harvest
		lb a/c acre	fl oz acre			
Cotton	Cotton Bollworm Tobacco Budworm, B&B Weevil Beet Armyworm, Cabbage Looper Saltmarsh Caterpillar Cotton Leafworm Cutworms Egg-eating Bugs, Plant Bugs (Apply for seedling cotton) Leafhoppers, Fleahoppers, Grasshoppers, Whitefly*	.03-.05	2.0-3.4	63-38	May be applied in water or nonvolatile vegetable oils. When using oil, apply a total spray volume of 1 or more quarts/acre. When diluted with water, apply no less than one gallon per acre by air (max. of 3 gal/a in Arizona and 5 gallons per acre in California) or 4 gallons per acre by ground. Repeat as necessary throughout season to maintain control. For the control of Boll Weevil, a 3-5 day interval between sprays may be required. Apply no more than 0.5 lbs/a to a crop in a growing season. Do not graze livestock on treated fields or feed treated trash.	21
	NOTE: for light infestations of the above insects	.02	1.4	55		
	Pink Bollworm	015- 03	1.0-2.0	128-63		
	Cotton Leaf Perforator	03	2.0	63		

COTTON — TANK MIX APPLICATIONS

READ AND FOLLOW ALL PRECAUTIONS AND RESTRICTIONS ON THE PRODUCT LABELING

Tank Mix Combination	Insect	Dosage	Further Use Instructions	Days to Harvest
MUDRIN 1 & Methomyl Insecticide Solution	Cotton Bollworm and Tobacco Budworm eggs	ASANA (from cotton table) with 1/2 pt/acre MUDRIN 1 & 3		21
MUDRIN 90 & Methomyl Insecticide Water Soluble Powder (with adjuvant)	Cotton Bollworm and Tobacco Budworm eggs	ASANA (from cotton table) with 1/2 lb/acre MUDRIN 90	Add adjuvant (A-77, Bio 83, Urite, Inlon B-1955 or equivalent*) to spray tank, then MUDRIN 90, agitate until thoroughly mixed.	
Azodrin 5 Water Miscible Insecticide	Thrips	ASANA (from cotton table) with 3-5 pt/acre AZODRIN 5	Use the higher rates when insect populations are high.	
	Whiteflies	ASANA (from cotton table) with 3/8-1-5/8 pt/acre AZODRIN 5		
	Mites	ASANA (from cotton table) with 1/8-1-5/8 pt/acre AZODRIN 5		

\*Compatibility of alternate should be determined before use.

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FIELD CROPS

Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions	Days to Harvest
		Lb a/V acre	Fl oz/ acre			
Field Corn	Cutworm Grasshoppers	.025-.05	1.7-3.4	16-38	Apply as necessary to maintain control.	
	Western Bean Cutworm	.0125-.025	85-1.7	152-26	Apply as necessary to maintain control. Application must be made before larvae enter the ear.	
	Corn Earworm	.025-.05	1.7-3.4	16-38	First application should be at or before silking. Subsequent applications should be made at 3-5 day intervals until silking is completed. Repeat applications may be applied if economically damaging populations exist.	
	Stalk Borer Flea Beetles	.025-.05	1.7-3.4	16-38	Application must be made early in migration from grassy areas to corn, before borers enter the plant. More than one application may be necessary.	
	Corn Rootworm (adult control)	.025-.05	1.7-3.4	16-38	Spray at first sign of silk feeding. Reinfestation may occur. Should reinfestation occur, repeat as necessary to maintain control.	
	Chinch Bugs	.025-.05	1.7-3.4	16-38	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. Repeat as necessary to control migrating chinch bugs.	

KNACKER® TradeMark of Shell Chemical Co. Borer®—TradeMark of Ciba Geigy Corp. Earner® TradeMark of Ethical Chemical Co. Insecto®—TradeMark of Monsanto Co. Furzeal®—TradeMark of Chemagro Corp.

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FIELD CROPS cont.

Crop	Insect	Dosage		Number acres treated with G&R	Further Use instructions	Days to Harvest
		Lb ai/ acre	fl oz/ acre			
Field Corn (continued)	European Corn Borer	.04-.05	2.7-3.4	45-38	<p>First brood: spray while eggs are in 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.</p> <p>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 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.</p>	21
	Southwestern Corn Borer	.025-.05	2.7-3.4	25-23	Apply as necessary to maintain control. Two or more applications may be required. Higher rates (.035-.05 lb ai) are recommended for moderate to heavy populations.	
	Ampyren (Blue Armyworm)	.025-.05	1.7-3.4	25-38	Apply as necessary to maintain control.	

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FIELD CROPS cont.

Crop	Insect	Dosage		Number acres treated with Galton	Further Use Instructions	Days to Harvest
		lb a.i./acre	fl oz/acre			
Field Corn (continued)	Adult Corn Rootworm, European Corn Borer	Asana and Parathion from respective corn labels			<p>ASANA 1.9 EC Insecticide may be tank-mixed with Parathion (methyl and/or ethyl) and applied on field corn (and seed corn) where supplemental control of Adult Corn Rootworm and/or European Corn Borer is desired in conjunction with insects controlled by ASANA Insecticide when used alone.</p> <p>For supplemental control of second brood European Corn Borer, make applications when silken egg masses are found. Spray when eggs are in the blackhead stage or starting to hatch. When egg laying is prolonged on a third generation is 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 per ai. If ground equipment is used, crop nozzles on each side of the plant will provide best coverage.</p> <p>For supplemental control of Adult Corn Rootworm, spray at first sign of silk feeding. Reinfestation may occur. Should reinfestation occur, repeat as necessary to maintain control.</p> <p>Refer to the ASANA 1.9 EC and Parathion (methyl or ethyl) labels for appropriate rates of the individual products for controlling the respective insects.</p>	21
Field Corn (continued)	Corn Leaf Aphid Oat Bird-Cherry Aphid	0.25-0.5	1.7-3.4	76-31	<p>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 on whorls and leaf axils, may not be adequately controlled.</p> <p>Do not exceed 0.25 lb a.i. per acre per season.</p> <p>ASANA 1.9 EC may be tank-mixed with the following herbicides when insect populations require control concurrent with the need for weed control. Follow all herbicide label directions regarding proper herbicide usage. Jar-test compatibility should be conducted before field mixtures are made and applications initiated.</p> <p>BLAZEX BOWP                      ATRAZINE 20 WP                      Deep 4 SL                      Dual EE                      Paraquat CL BLAZEX 4L                      ATRAZINE 4L                      Barvel AEC                      Roundup                      Lasso 4EC</p>	21
Seed Corn	For specific insect control recommendations refer to Field Corn (above). Follow directions carefully.				Multiple applications and/or shortened intervals between sprays must be used to insure proper insect control. Do not exceed 2.5 lb a.i. per acre per season.	21
Pop Corn	For specific insect control recommendations refer to Field Corn (above). Follow directions carefully.				Multiple applications and/or shortened intervals between sprays must be used to insure proper insect control. Do not exceed 5 lbs a.i. per acre per season.	1

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Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions	Days to Harvest
		Lb a/V acre	Floz/ acre			
Peanuts	Corn Earworm, Red-necked Fernot Worm, Potato Leafhopper, Velvetbean Caterpillar	.0125-.025	.85-1.7	152-76	Repeat as necessary to maintain control. Do not feed or graze livestock on treated acres. Do not exceed .15 lb a.v. per acre per season. ** Aids in control. *** Aids in control. For heavy infestations use of Nudrin Insecticide is recommended. Please refer to the Nudrin label for use instructions.	21
	Beet Armyworm, Granulate Cutworm, Grasshoppers, Cutworms	.025-.05	1.7-3.4	76-38		
	Lesser Cornstalk Borer** Fall Armyworm***	.05	3.4	38		
Soybean	African Bean Beetle, Green Cloverworm, Velvetbean Caterpillar, Potato Leafhopper, Spittlebug Caterpillar, Hairybean Caterpillar	.0125-.025	.85-1.7	152-76	Repeat as necessary to maintain control. Do not feed or graze livestock on treated plants. Do not exceed 2 lb a.v. per acre per season. When applying on non-oleiferous vegetable oils use a total spray volume of 1 or more quarts.	21
	Cabbage Looper, Corn Earworm, Southern Green Stinkbug, Bean Leaf Beetle, Cutworms, Three-cornered Alfalfa Wopper, Beet Armyworm, Grasshoppers, Japanese Beetle (adult)	.025-.05	1.7-3.4	76-38		

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**FRUITS AND NUTS**

**DILUTE SPRAY** Apply specified dosage per 100 gallons of water in a uniform spray applied to the point of drop with conventional ground equipment. Do not exceed maximum number of gallons per acre indicated.  
**NOTE:** In order to apply the correct amount of ASANA, you must know the number of gallons of water needed to spray one acre of your trees to the point of drop. If you do not already know this percentage, 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 assistance from your equipment dealer or State Extension specialist.  
**CONCENTRATE SPRAY** Apply specified dosage per acre in not less than 30 gals. of water per acre by ground. When applying ASANA by air, consult your Cooperative Extension Service for application guidelines.

Crop	Insect	Dosage			Number acres treated with Gallon	Further Use Instructions	Days to Harvest
		Concentrate Spray		Dilute Spray			
		Lb a/W acre	Fl oz/ acre	Fl oz/ 100 gals			
Apples	Oblique Banded Leafhopper, Codling Moth, Nymphalated Leafhopper, White Apple Leafhopper, Terrestrial Leaf Miner, San Jose Scale (final infestations only), Apple Aphid, Tulleed Apple Budworm, Plum Curculio, Oriental Fruit Borer, Apple Maggot, Red-Banded Leafminer, Lesser Appleworm, Green Fruitworm, Rosy Apple Aphid, Plant Bugs (Hairyshod Plant Bug, Slight Bugs), Perennial Cicada	0.25-0.75	1.7-5.0	0.7-2.0	75-25	Repeat as necessary to maintain control. Do not feed or graze livestock on treated orchard floors. Do not exceed 0.525 lbs a/a per acre per season. For dilute spray apply 200-600 gals per acre. Do not exceed 5 fl. oz. of ASANA 1.9 EC per acre per treatment.  Plant Bug, Rosy Apple Aphid Control —Time of application is critical in achieving control. Use prebloom and cool bloom spray timings recommended by State Extension Services.	21

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FRUITS AND NUTS cont.

Crop	Insect	Dosage			Number acres treated with Galton	Further Use Instructions	Days to Harvest
		Concentrate Spray		Dilute Spray			
		Lb a.i./acre	Fl oz./acre	Fl oz./160 gals			
Pecans	Pecan Weevil, Hickory Shootworm, Pecan Nut Casebearer, Pecan Aphids Pecan Spittlebug  Pecan Stem Phylloxera Pecan Leaf Phylloxera	.025-.075	1.7-5.0	.7-2.0	76-25	Repeat as necessary to maintain control. Do not feed or graze livestock on treated orchard floors. Do not exceed .3 lbs. a.i. per acre per season. For dilute spray apply 200-600 gals per acre, but do not exceed 5 fl. oz. of Asana 1.9 EC per acre per treatment.  Correct timing of spray applications is critical in achieving optimum control of leaf and stem phylloxera. Consult local spray recommendations for correct times of application.	21
Walnut	Walnut Aphid Walnut Husk Fly Cesting Weevil Hazel Wengeworm	.05-.08	3.4-6.7	1.4	38-19	Repeat as necessary to maintain control. Do not exceed .2 lb. a.i. per acre per season. For dilute sprays, apply 200-400 gals per acre. Do not feed or graze livestock on treated crop floors. NOTE: Use of baits in Walnut Husk Fly sprays is recommended where endorsed by local Agricultural Extension Service. CONCENTRATE SPRAY. Apply specified dosage per acre in no less than 30 gals. of water per acre by ground or 5 gals. of water per acre by air.	21

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VEGETABLE CROPS

Crop	Insect	Dosage		Number acres treated with Ca:Sn	Further Use Instructions	Days to Harvest
		lb a.i./acre	fl oz/acre			
Artichokes	Artichoke Plume Moth	.025-.05	1.7-3.4	76-38	Apply no more than three times per crop. Begin application when larvae first appear with subsequent applications at 14 day intervals. Apply in a maximum of 10 gallons per acre by air and 50-200 gallons per acre by ground (use sufficient water to obtain coverage without excessive runoff).	7
Broccoli, Cabbage, Cauliflower	Diamondback Moth	.0125-.025	.85-1.7	152-76	Repeat as necessary to maintain control. Do not exceed 4 lbs. a.i. per acre per season.	3
	Imported Cabbageworm, Cabbage Looper, Beet Armyworm, Alfalfa Looper, Flea Beetle, Grasshopper, Cutworm	.025-.05	1.7-3.4	76-38		
Cucumber, Melons (Cantaloupe, Honeydew Melon, Watermelon, Muskmelon), Pumpkin Squash (Summer, Winter)	Flukeworms, Rootworms, Leafhoppers, Corn Earworm, Cabbage Looper, Squash Bug, Cutworms (feeding stage), Cucumber Beetle (adult control), Grasshoppers, Plant Bugs (Hugus Bugs, Slink Bugs), Squash Vine Borer	.025-.05	1.7-3.4	76-38	Repeat as necessary to maintain control. Do not exceed .25 lb a.i. per acre per season.	3
Dry Beans, Dry Peas	Mexican Bean Beetle, Saltmarsh Caterpillar	.0125-.025	.85-1.7	152-76	Repeat as necessary to maintain control. Do not exceed .2 lb a.i. per acre per season. Do not feed or graze livestock on treated ones.	21
	Corn Earworm, Potato Leafhopper, Pea Aphid, Grasshoppers, Pea Aweil, Leafhoppers, Conocha Cicada, Pea Leaf Aweil, Cutworms, Cabbage Looper, Western Bean Cutworm, Yellowbean Caterpillar, Beet Armyworm, Cucumber Beetle, Corn Proctos (Adults), Painted Lady Butterfly (larvae), Green Cloveworms	.025-.05	1.7-3.4	76-38		

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VEGETABLE CROPS cont.

Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions	Days to Harvest	
		lb a.i./acre	fl oz/acre				
Eggplant	Colorado Potato Beetle, Flea Beetles, Corn Earworm, Looper, European Corn Borer	.025-.05	1.7-3.4	76-38	Begin application when insects or their damage is observed and repeat at 7 to 10 day intervals to achieve control. Do not exceed .35 lbs. a.i. per acre per season.	7	
Green Peas	Pea Aphid, Green Cloverworm	.0125-.025	85-1.7	152-76	Repeat as necessary to maintain control but do not exceed .1 lb a.i./acre per season. Do not feed treated pea vines to livestock.	3	
	Cabbage Looper, Celery Looper, Alfalfa Looper, Cowpea Curculio, Cutworms, Pea Leaf Weevil, Armyworm, Corn Earworm, Imported Cabbageworm, Alfalfa Caterpillar	.025-.05	1.7-3.4	76-38			
Peppers	European Corn Borer, Fall Armyworm, Beet Armyworm, Flea Beetles, Corn Earworm, Looper, Colorado Potato Beetle, Pepper Weevil, Cucumber Beetle (adults), Southern Armyworm	.025-.05	1.7-3.4	76-38	Begin application when insects or their damage is observed and repeat at 7 to 10 day intervals to achieve control. Do not exceed .35 lbs. a.i. per acre per season.	7	
Potato	Potato Psyllid, Potato Leafworm	.0125-.025	85-1.7	152-76	Repeat as necessary to maintain control. Do not graze livestock on treated vines. Do not exceed .35 lbs. a.i. per acre per season.	7	
	Beet beetles, Imported Flea Beetle, Cabbage Looper, Potato Aphid, Potato Leafhopper, Cucumber Beetle (adult control), Grasshoppers, European Corn Borer, Beet Armyworm, Western Yellow-striped Armyworm, Buckhorn Aphid, Cutworms	.025-.05	1.7-3.4	76-38			
	Colorado Potato Beetle	West of Mississippi River	.0125-.025	85-1.7			152-76
		East of Mississippi River Long Island, NY	.025-.05 .05	1.7-3.4 3.4			76-38 38

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VEGETABLE CROPS cont.

Crop	Insect	Dosage		Number acres treated with G3500	Further Use Instructions	Days to Harvest
		lb #/ acre	Fl oz/ acre			
Sweet Corn	Corn Earworm, Southwestern Corn Borer, European Corn Borer, Beet Armyworm, Flea Beetles, Sap Beetles (adults), Banded Cucumber Beetle, Earshish Plant Bug	.025-.05	1.7-3.4	76-23	Do not exceed 5 lbs. a. per acre per season. Begin applications either before or at time of silking and continue as necessary to maintain control. For protection against corn borers other than at silking time, treat when necessary to maintain control. For additional information consult directions for use under field corn.	1
	Stalk Borer, Cutworms, Corn Rootworms (adult control), Grasshoppers, Chinch Bugs, Armyworm	.025-.05	1.7-3.4	76-38		
	Western Bean Cutworm	.025-.025	85-17	152-76		
	Corn Leaf Aphis, Gal Bud-Cherry Aphis	.025-.05	1.7-3.4	76-38	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.	
Tomato	Tomato Hornworm, Tobacco Hornworm	.0125-.025	85-17	152-76	Repeat as necessary to maintain control. Do not feed or graze livestock on treated areas. Do not exceed 5 lbs. a. per acre per season.	1
	Tomato Pinworm, Flea Beetle, Tomato Fruitworm, Colorado Potato Beetle, Cutworms, Cabbage Looper, Southern Armyworm, Sugarbeet Armyworm, Western Yellow-Striped Armyworm, Grasshopper, Whitefly, Potato Aphid	.025-.05	1.7-3.4	76-38		
	Vegetable Testimex*	.05	3.4	76		

\*Not recommended in Florida

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SPECIALTY USES

Crop	Insect	Dosage		Number acres treated with Galien	Further Use Instructions
		Lb a/f acre	Fl oz/ acre		
Non-Crop Land (including public land such as forests, parks, or recreational areas.)	Grasshoppers, Saltmarsh Caterpillar	.0125-.025	.45-1.7	152-76	Spray non-crop land adjacent to field areas to control migrating insects (Grasshoppers, Armyworms) which are a threat to crops. Repeat as necessary to maintain control but do not exceed .5 lbs. active ingredient per acre per year. Do not feed treated crop to livestock. Do not spray ditch banks or areas adjacent to water.
	Armyworms, Army Cutworms, Check Bugs	.025-.05	1.7-3.4	76-34	

Site	Insect	Dosage			Further Use Instructions
		High Volume Sprays		Low Volume Sprays	
		Lb a/f 100 gals.	Fl oz/ 100 gals.	(Mistblower) lb a/f	
Christmas Tree Plantings, Pine Seed Orchards, Forest Tree Nurseries	Needlecked Pine Tip Moth, Spittlebugs, Pinyon Eborard, Pinyon Sawfly, Balsam Woolly Adelgid, Pine Chafers, Red Pine Sawfly, Pine Conelet Borer, European Pine Sawfly, Cranberry Girdler (adult control), Pine Needle Widge, Balsam Twig Aphid	.025-.05	1.7-3.4	.025-.05	Apply as needed to maintain control. Spray sufficient gallons to obtain good coverage of entire tree.
	Pines Weevil, Northern Pine Weevil	.025-.05	1.7-3.4		Apply as needed to maintain control. Dilute formulation in terosene instead of water, and spray tree stumps to control developing larvae. Use sufficient spray volume to thoroughly cover stump.
	Cane-worms, Seedbugs, Seed Chafed	3.4 fl oz/100 gals water for high volume sprayers. 18.0 fl oz/100 gals water for low volume sprayers. .19 lb. ai/acre application in not less than 10 gals of water for aerial applications.			Apply first application within 1 week of female flower closure or peak pollen flight for Webbing Cane-worm control. For other Cane-worms and Seedbugs, apply first application within 30 days following female flower closure. Repeat application at intervals of 4 weeks but do not exceed 1.6 lbs. ai/acre. For Seed Chafed control, apply when all cones are pendant, and repeat at 1-2 week intervals for 2 or more sprays, or as needed. Apply approximately 5-10 gals of the 3.4 fl oz/100 gal dilution per tree with high volume sprayers. With low volume sprayers apply 100 gals of the 18 fl oz/100 gal dilution per acre. Do not graze or harvest cover crop. Avoid contact with eye-water

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