

3/10/85  
Green Springs

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

Jan  
~~FEB~~ 23 1986

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

201-401

Federally Registered Uses  
through June 1, 1985

This booklet contains new and supplemental uses for  
this product which may not appear in label booklet  
packed with product and must be in possession of user  
at time of application.

ACL 2319F 1-86



Shell

**RESTRICTED USE  
PESTICIDE**

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

**Pydrin<sup>®</sup>**  
Insecticide  
2.4 Emulsible Concentrate

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

May be irritating to skin, eyes, nose and throat.  
Causes substantial but temporary eye injury.  
Harmful if swallowed.

**AVISO**

**PRECAUCION  
AL USUARIO:**

Si usted no lee inglés,  
no use este producto  
hasta que la etiqueta  
haya sido explicado  
en español.

COTTON

Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions	Days to Harvest
		Lb a/v acre	Fl oz/ acre			
Cotton	Pink Bollworm	0.05 - 0.1	2 - 2 1/3 - 5 - 1 1/3	45 - 24	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 (min. of 3 gals 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 2 lbs/a to a crop in a growing season. Do not graze livestock on treated fields or feed treated trash. *Low rate to be used only for light infestations **Aids in the suppression	21
	Cotton Leaf Perforator	0.1	5 - 1 1/3	24		
	Cotton Bollworm	0.05* - 0.2	4-1/4 - 10-2/3	30 - 12		
	Tobacco Budworm, Lygus Bugs, Cabbage Looper, Beet Armyworm, Boll Weevil, Whitefly**, Cutworms, Saltmarsh Caterpillar Thrips (on seedling cotton) Plant Bugs, Leafhoppers Flea-hoppers Grasshoppers Cotton Leafworm	0.10 - 0.20	5-1/3 - 10-2/3	24 - 12		

4.1.1 (12/83)  
1.1.1 (12/83)

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® I & Methoxy Insecticide Solution	Cotton Bollworm and Tobacco Budworm eggs	PYDRIN (from cotton tablet) with 1/2 ounce MUDRIN I & S		21
MUDRIN® 50 Methoxy Insecticide Water Soluble Powder (with a Surfactant)	Cotton Bollworm and Tobacco Budworm eggs	PYDRIN (from cotton tablet) with 1-3 lb/acre MUDRIN 50	See addendum (K-77, E 0-83 Unite. Insect B-1956 or equivalent**) to spray tank (from PYDRIN (from MUDRIN 50, apply) until thoroughly mixed	
Azodin® 5 Water Viscible Insecticide	Thrips	PYDRIN (from cotton tablet) with 3-5 oz/acre AZODIN 5	Use the higher rates when insect populations are high	
	Whiteflies	PYDRIN (from cotton tablet) with 3-8 - 1 - 5.8 pt/acre AZODIN 5		
	Mites	PYDRIN (from cotton tablet) with 7.8 - 1 - 5.8 pt/acre AZODIN 5		
Chlorimethorm-Foodal 4CC or Gatecron 4CC	Cotton Bollworm	Pydrin 0.05 - 0.025 Chlorimethorm 0.125		21

\*Compatibility of alternate should be determined before use.

FIELD CROPS

Crop	Insect	Dosage		Number acres treated with gallon	Further Use Instructions	Days to Harvest	
		Lb. av. per acre	Fl oz. per acre				
Field Corn					Do not exceed 1.0 lb. a.i. per acre per season.	21	
		PYDRIN 2.4 EC may be tank-mixed with the following herbicides when insect populations require control concurrent with the need for weed control. Follow all herbicidal label directions regarding proper herbicide usage. Jar-test compatibility should be conducted before field mixtures are made and applications initiated.					
	BLADEX 80WP BLADEX 4L	ATRAZINE 80WP ATRAZINE 4L	8000 4 SL Banner 4EC	Dual 8E Roundup	Paraquat CL Lasso 4 EC		
	Cutworm Grasshoppers	0.1 - 0.2	5-1-3 - 10-2-3	24-12	Apply as necessary to maintain control.		
	Western Bean Cutworm	0.05 - 0.1	2-2-3 - 5-1-3	18-24	Apply as necessary to maintain control. Application must be made before larvae enter the ear.		
	Corn Earworm	0.1 - 0.2	5-1-3 - 10-2-3	24-12	First application should be at or before silking. Subsequent applications should be made at 7-10 day intervals until silking is completed. Repeat applications may be applied if economically damaging populations exist.		
	Stink Borer Flea Beetles	0.1 - 0.2	5-1-3 - 10-2-3	24-12	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)	0.1 - 0.2	5-1-3 - 10-2-3	24-12	Spray at first sign of silk feeding. A infestation may occur. Should reinfestation occur, repeat as necessary to maintain control.		
Chinch Bugs	0.1 - 0.2	5-1-3 - 10-2-3	24-12	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.			

BLADEX®—Trademark of Shaw Chemical Co. Banner®—Trademark of Ciba-Geigy Corp. Dual®—Trademark of Hercules Chemical Co. Roundup®—Lasso®—Trademarks of Monsanto Co. Pydrin®—Trademark of Chemagro Chemical Co.

## FIELD CROPS cont.

Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions	Days to Harvest
		lb 4V acre	fl oz acre			
Field Corn (continued)	European Corn Borer	0.15 - 0.2	8.0 - 10-2/3	16-12	<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. Proccs 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	0.1 - 0.2	5-1/3 - 10-2/3	24-12	Apply as necessary to maintain control. Two or more applications may be required. Higher rates (0.15-0.2 lb. 4V) are recommended for moderate to heavy populations.	
	Armyworm (True Armyworm)	0.1 - 0.2	5-1/3 - 10-2/3	24-12	Apply as necessary to maintain control.	

0.15-0.2 / 8.0-10-2/3

FIELD CROPS cont.

Crop	Insect	Dosage		Number acres treated with Gallia	Further Use Instructions	Days to Harvest
		Lb a/a/ acre	Fl oz/ acre			
Field Corn (continued)	Corn Leaf Achid Ori Bird-Cherry Achid	0.1 - 0.2	5-10 - 10-20	24-12	For optimum results, direct the spray at the exposed population so as to achieve maximum coverage of the exposed insects. Achids not contacted by the spray, such as in whorls and leaf axils, may not be adequately controlled.	21
	Adult Corn Rootworm, European Corn Borer	Pydrin and Parathion from respective corn labels			<p>PYDRIN 2.4 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 PYDRIN Insecticide when used alone.</p> <p>For supplemental control of second brood European Corn Borer, make applications when sufficient egg masses are found. Spray when eggs are in the black-head stage or starting to hatch. When egg hatching 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> <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 PYDRIN 2.4 EC and Parathion (methyl or ethyl) labels for appropriate rates of the individual products for controlling the respective insects.</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 1.0 lb a.a. 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 2.0 lbs a.a. per acre per season.	1

FIELD CROPS cont.

Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions	Days to Harvest
		Lb a.i./acre	Floz/acre			
Peanuts	Corn Earworm, Red-necked Peanut Worm, Potato Leafhopper, Velvetbean Caterpillar	0.05-0.1	2-2/3-5-1/3	48-24	Repeat as necessary to maintain control. Do not feed or graze livestock on treated vines. Do not exceed 0.6 lb a.i. 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	0.1-0.2	5-1/3-10-2/3	24-12		
	Lesser Cornstalk Borer * Fall Armyworm * * *	0.2	10-2/3	12		
Soybean	Mexican Bean Beetle, Green Cloverworm, Velvetbean Caterpillar, Potato Leafhopper, Sulfur Caterpillar, Woodchuck Caterpillar	0.05-0.1	2-2/3-5-1/3	48-24	Repeat as necessary to maintain control. Do not feed or graze livestock on treated plants. Do not exceed 0.8 lb a.i. per acre per season. When applying in nonvolatile vegetable oils use a total spray volume of 1 or more quarts.	23
	Cabbage Looper, Corn Earworm, Southern Green Stinkbug, Bean Leaf Beetle, Cutworms, Three-cornered Alfalfa Hopper, Beet Armyworm, Grasshoppers, Japanese Beetle (adult)	0.1-0.2	5-1/3-10-2/3	24-12		
Sugarcane	Leafhopper	0.1-0.2	5-1/3-10-2/3	24-12	Repeat as necessary to maintain control. Do not exceed 0.8 lb. a.i./acre per season.	21
Sunflower	Colorado Beetle	0.05-0.1	2-2/3-5-1/3	48-24	Repeat as necessary to maintain control. Do not exceed 0.8 lb. a.i./acre per season.	28
	Grasshoppers, Cutworms, Heliothis virescens, Sunflower Moth, Sunflower Leafminer, Banded Sunflower Moth, Armyworm, Sunflower Seedling, Sunflower	0.1-0.2	5-1/3-10-2/3	24-12		

FRUITS AND NUTS

**DILUTE SPRAY:** Apply specified dosage per 100 gallons of water in a uniform spray applied to the point of one with conventional ground equipment. Do not exceed maximum number of gallons per acre indicated.

**NOTE:** In order to apply the correct amount of P.V.C.R. concentrate to your orchard you must know the number of gallons of water needed to spray one acre of your trees to the point of one. If you do not already know this information, you should conduct a test to determine it. If you do not know how to conduct such a test with your equipment, you should seek assistance from your equipment dealer or State Extension Specialist.

**CONCENTRATE SPRAY:** Apply specified dosage per acre in no less than 33 gal. of water per acre by ground. When applying Pyrethrin, 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.c. acre	Fl. oz. acre	Fl. oz. 100 gals.			
Apples	Oblique Banded Leafroller, Codling Moth, Fanlegged Leafroller, White Apple Leafhopper, Tentiform Leaf Miner, San Jose Scale (fruit infestations only), Apple Aphid, Tufted Apple Budmoth, Plum Curculio, Oriental Fruit Moth, Apple Maggot, Red-Banded Leafroller, Lesser Apple Worm, Green Fruitworm, Rosy Apple Aphid, Plant Bugs (Furnished Plant Bug, Stink Bug), Pear Leaf Cicada	0.1-0.3	5-13-15	2-2 3/8	24-8	Repeat as necessary to maintain control. Do not feed or graze livestock on treated orchard floors. Do not exceed 2.5 lbs. a.s. per acre per season. For dilute spray apply 200-600 gals. per acre, but do not exceed 16 fl. oz. of Pyrethrin 2.4 EC per acre per treatment.  <u>Plant Bug, Rosy Apple Aphid Control</u> — Time of application is critical in achieving control. Use prebloom and post bloom spray timings recommended by State Extension Services.	21
Peach	Peach Twig Borer, Oriental Fruit Moth, Peach Tree Borer, Plum Curculio, Lesser Peach Tree Borer, Periodical Cicada  Plant Bugs (Furnished Plant Bug, Stink Bug)	0.1-0.3	5-13-16	2-2 3/8	24-8	Repeat as necessary to maintain control. Do not exceed 1.5 lbs. a.s. per acre per season with no more than 1.2 lbs. a.s. per acre per season between bloom and harvest. For dilute spray apply 200-400 gals. per acre, but do not exceed 16 fl. oz. of Pyrethrin 2.4 EC per acre per treatment. Do not graze livestock on treated orchard floors. <u>Peach Tree Borer</u> <u>Lesser Peach Tree Borer Control</u> — apply as directed trunk and scaffold limb spray. Thorough coverage of trunk and scaffold limbs is required. <u>Peach Twig Borer, Plum Curculio, Oriental Fruit Moth, Periodical Cicada Control</u> Apply by ground sprayer to achieve thorough coverage of all aerial portions of the tree. <u>Plant Bug Control</u> — Time of application is critical in achieving control. Use prebloom and post bloom spray timings recommended by State Extension Services.	24
Pear (dormant)	Pear Psylla	0.2-0.4	10-23-21-173	8-14	12-6	Apply during dormant to prebloom (white bud) stage only. Do not apply more than 0.8 lb. a.s. per acre per season. Do not graze orchard floor. For dilute spray apply 150-250 gals. per acre, but do not exceed 2 1/2 fl. oz. of Pyrethrin 2.4 EC per acre per treatment.	

FRUITS AND NUTS cont.

Crop	Insect	Dosage			Number Acres Treated with Gallon	Further Use Instructions	Days to Harvest
		Concentrate Spray		Dilute Spray			
		Lb av/acre	fl oz/acre	fl oz/100 gals			
Pear	Pear Psylla, Codling Moth, Green Fruitworm, Plum Curculion, Leafrollers, Pear Stag, Periodical Cicada	0.1-0.3	5-13-16	2-2.3-3	24-8	Repeat as necessary to maintain control. Do not exceed 1.5 lbs. a.s. per acre per season, nor more than 0.9 lb. a.s. per acre between bloom and harvest. Do not feed or graze livestock on treated orchard floors. For dilute spray apply 200-500 gals per acre, but do not exceed 16 fl oz of Pydnin 2.4 EC per acre per treatment.	28
Filberts	Filbert Worm, Oblique Banded Leafroller	0.2-0.4	10-2.3-21-1.3	5-1.3-10-2.3	12-6	Make first application after emergence of filbert worm moths in early summer. Do not apply a second treatment earlier than three weeks after the first. Do not apply more than 0.8 lb. a.s. per acre per season. For dilute spray, apply 200-400 gals. per acre, but do not exceed 21-1.3 fl oz of Pydnin 2.4 EC per acre per treatment. Do not graze livestock in treated orchards.	21
Pecans	Pecan Aegid, Hickory Shuckworm, Pecan Nut Casebearer, Pecan Aphids, Pecan Spittlebug  Pecan Stem Phylloxera, Pecan Leaf Phylloxera	0.1-0.3  0.1-0.3	5-1.3-16	2-2.3-3	24-3	Repeat as necessary to maintain control. Do not feed or graze livestock on treated orchard floors. Do not exceed 1.2 lbs. a.s. per acre per season. For dilute spray apply 200-500 gals per acre, but do not exceed 16 fl oz. of Pydnin 2.4 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, Codling Moth, Walnut Orangeworm	0.2-0.4	10-2.3-21-1.3	5-1.3-10-2.3	12-6	Repeat as necessary to maintain control. Do not exceed 0.8 lb. a.s. per acre per season. For dilute sprays, apply 200-400 gals per acre but do not exceed 21-1.3 fl. oz. of PYDRIN 2.4 EC per acre per treatment. Do not feed or graze livestock on treated crop floors. NOTE: Use of baits on 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



VEGETABLE CROPS

Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions	Days to Harvest
		lb. av/ acre	fl. oz/ acre			
Artichokes	Artichoke Plume Moth	0.1	5-1/3	24	Apply no more than three times per crop. Begin application when larvae first appear with subsequent applications at 14 day intervals. Apply in a minimum of 10 gallons per acre by air and 50-200 gallons per acre by ground (use sufficient water to obtain coverage without excessive runoff).	3
Broccoli, Cabbage, Cauliflower	Diamondback Moth	0.05-0.1	2-2.3-5-1/3	48-24	Repeat as necessary to maintain control. Do not exceed 1.6 lbs. av. per acre per season.	3
	Imported Cabbageworm Cabbage Looper, Beet Armyworm, Alfalfa Looper, Flea Beetle, Grasshopper, Cutworm	0.1-0.2	5-1.3-10-2.3	24-12		
Cucumber, Melons (Cantaloupe, Honeydew Melons, Watermelon, Muskmelon), Pumpkin Squash (Summer, Winter)	Pickleworm, Rindworms, Leafhoppers, Corn Earworm, Cabbage Looper, Squash Bug, Cutworms (seedling spray), Cucumber Beetle (adult control), Grasshoppers, Plant Bugs (Lygus Bugs, Stink Bugs), Squash Vine Borer	0.1-0.2	5-1.3-10-2.3	24-12	Repeat as necessary to maintain control. Do not exceed 1.0 lb. av. per acre per season. Do not apply on zucchini squash, as injury may occur.	3
Dry Beans Dry Peas	Mexican Bean Beetle, Saltmarsh Caterpillar	0.05-0.1	2-2.3-5-1/3	48-24	Repeat as necessary to maintain control. Do not exceed 0.8 lb. av. per acre per season. Do not feed or graze livestock on treated vines.	21
	Corn Earworm, Potato Leafhopper, Pea Aphid, Grasshoppers, Pea Weevil, Leafhoppers, Cowpea Curculio, Pea Leaf Weevil, Cutworms, Cabbage Looper, Western Bean Cutworm, Velvetbean Caterpillar, Beet Armyworm, Cucumber Beetle, Corn Rootworm (Adults), Painted Lady Butterfly (larvae), Green Cloverworm	0.1-0.2	5-1.3-10-2.3	24-12		

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	0.1-0.2	5-1/3-10-2/3	24-12	Begin application when insects or their damage is observed and repeat at 7 to 10 day intervals to achieve control. Do not exceed 1.4 lbs. a.i. per acre per season.	7
Green Peas	Pea Aphid, Green Cloverworm	0.05-0.1	2-2/3-5-1/3	48-24	Repeat as necessary to maintain control but do not exceed 0.4 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	0.1-0.2	5-1/3-10-2/3	24-12		
Peppers	European Corn Borer, Fall Armyworm, Beet Armyworm, Flea Beetles, Corn Earworm, Looper, Colorado Potato Beetle, Pepper Weevil, Cucumber Beetle (adults), Southern Armyworm	0.1-0.2	5-1/3-10-2/3	24-12	Begin application when insects or their damage is observed and repeat at 7 to 10 day intervals to achieve control. Do not exceed 1.4 lbs. a.i. per acre per season.	7
Potato	Potato Psyllid, Potato Tubeworm	0.05-0.1	2-2/3-5-1/3	48-24	Repeat as necessary to maintain control. Do not graze livestock on treated vines. Do not exceed 1.4 lbs. a.i. per acre per season.	7
	Flea beetles, Tarnished Plant Bug, Cabbage Looper, Potato Aphid, Potato Leafhopper, Cucumber Beetle (adult control), Grasshoppers, European Corn Borer, Beet Armyworm, Western Yellow-striped Armyworm, Blackthorn Aphid, Cutworms	0.1-0.2	5-1/3-10-2/3	24-12		
	Colorado Potato Beetle					
	West of Mississippi River	0.05-0.1	2-2/3-5-1/3	48-24		
	East of Mississippi River	0.1-0.2	5-1/3-10-2/3	24-12		
	Long Island N.Y.	0.2	10-2/3	12		

VEGETABLE CROPS cont.

Crop	Insect	Dosage		Number acres treated with gallon	Furber Use Instructions	Days to Harvest
		Lb av acre	Floz acre			
Sweet Corn	Corn Earworm Southwestern Corn Borer European Corn Borer Beet Armyworm, Flea Beetles, Saw Beetles (adults) Banded Cucurbit Beetle-Tarnished Plant Bug	0.1-0.2	5-10-10-2.3	24-12	Do not exceed 2.0 lb a.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	0.1-0.2	5-10-10-2.3	24-12	For additional information consult directions for use under field corn.	
	Western Bean Cutworm	0.05-0.1	2-2.3-5-1.3	18-24		
	Corn Leaf Aphid Jelly Bird-Cherry Aphid	0.1-0.2	5-10-10-2.3	24-12	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	0.05-0.1	2-2.3-5-1.3	18-24	Repeat as necessary to maintain control. Do not feed of range livestock on treated vines. Do not exceed 2.0 lbs. a.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 Achenid	0.1-0.2	5-10-10-2.3	24-12	(Note: Some bleaching or spotting may occur on the foliage of young plants. This does not affect yield or fruit quality.)	
	Vegetable Leafminer	0.2	10-2.3	12		

SPECIALTY USES

Crop	Insect	Dosage		Number acres treated with Gallon	Further Use Instructions
		Lb a/V acre	Fl oz/ acre		
Non-Crop Land (excluding public land such as forests, parks, or recreational areas)	Grasshoppers, Saltmarsh Caterpillar	0.05-0.1	2-2/3-5-1/3	48-24	Spray non-crop land adjacent to tilled areas to control migrating insects (Grasshoppers, Armyworms) which are a threat to crops. Repeat as necessary to maintain control but do not exceed 2 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, Church Bugs	0.1-0.2	5-1/3-10-2/3	24-12	

Site	Insect	Dosage			Further Use Directions	
		High Volume Sprays		Low Volume Sprays		
		Lb a/V 100 gals.	Fl oz/ 100 gals.	(Mistblower) to a/A		
Christmas Tree Plantings, Pine Seed Orchards, Forest Tree Nurseries	Hantucket Pine Tip Moth, Sawflies, Pineleaf Chermid, Redbreasted Pine Sawfly, Balsam Woolly Adelgid, Pine Chater, Red Pine Sawfly, Pine Conelet Bug, European Pine Sawfly, Cranberry Girdler (check control), Pine Needle Widge, Balsam Twig Aphid	0.1-0.2	5-1/3-10-2/3	1/3-2/3 Teaspoon	0.1-0.2	Apply as needed to maintain control. Spray sufficient gallons to obtain good coverage of entire tree. High volume sprays on Virginia Pine may cause some yellowing of needles. Low volume (Mistblower) applications at the rate of 0.3 to 0.2 lb. active are recommended to avoid this problem.
	Pales Weevil, Northern Pine Weevil	0.1-0.2	5-1/3-10-2/3	1/3-2/3 Teaspoon		Apply as needed to maintain control. Dilute formulation in kerosene, instead of water, and spray tree stumps to control developing larvae. Use sufficient spray volume to thoroughly cover stumps.
	Coneworms, Seedbugs, Seed Chalcid	11 fl oz/100 gals water for high volume sprayers 3.5 pts/100 gals water for low volume sprayers 0.75 lb. active application in not less than 10 gals of water for aerial applications.				Apply first application within 8 week of female flower closure or peak pollen flight for Webbing Coneworm control. For other Coneworms and Seedbugs, apply first application within 30 days following female flower closure. Repeat application at intervals of 4 weeks but do not exceed 6.3 lbs active. For Seed Chalcid 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 11 fl oz/100 gal dilution per tree with high volume sprayers. With low volume sprayers apply 100 gals of the 3.5 pts/100 gal dilution per acre. Do not graze or harvest cover crop. Avoid contact with open water. Some foliar chlorosis may occur on Douglas Fir when concentrated low volume sprays are employed. To avoid this problem use high volume sprays.

SPECIALTY USES cont.

Crop	Insect	Dosage		Further Use Instructions
		Lb av 100 Gals.	Fl oz 100 Gals.	
Ornamentals (Outdoor/Greenhouse)	Whitefly Webworms Cutworms Bagworms Leafrollers Black Vine Weevil Lacepede Zelderer Caterpillar Periodical Cicada	0.1-0.2	5-1.3-10-2.3	Apply as needed to maintain control. Spray sufficient gallonage to obtain good coverage. For best control of leafrollers and webworms, apply sprays before extensive webbing or retrolling is evident.  NOTE: Spotting of leaves may occur on young growth, especially when plants are growing rapidly. Caution should be exercised when treating the following ornamentals, as localized chlorotic leaf spotting or burning has been observed following treatment: Roses, Poinsettias, Chrysanthemums, Hydrangea, Redbud, Waccenau fern, Crane Myrtle, Chinese Elm, Desert Gum, Scotch Pine, River Willow, Weeping Willow, and Dogwood.

PROPOSED AMENDMENT TO EPA REG. NO. 201-401  
DIRECTIONS FOR APPLICATION

Crop	Insect	Dosage			Number acres treated with Gallon	Use Instructions	Days to Harvest
		Concentrate Spray/Dilute Spray					
		Lb av acre	Fl oz acre	Fl oz 100 gals			
<p><i>New</i> <i>1/23/86</i></p> <p>SICNE FRUITS including: Apples Nectarines Plums Prune Plums Cherries</p>	Peach Twig Borer, Oriental Fruit Moth, Peach Tree Borer, Plum Curculio, Lesser Peach Tree Borer, Cherry Fruit Fly, Western Cherry Fruit Fly, American Plum Borer, Black Cherry Aphid, Leafrollers	0.15-0.3	8-16	4	15-3	Repeat as necessary to maintain control. Do not exceed 1.5 lbs. a.i. per acre per season with no more than 1.2 lbs. a.i. per acre per season between bloom and harvest. For dilute spray, apply 200-400 gals. per acre.  Peach Tree Borer, Lesser Peach Tree Borer, American Plum Borer control: apply as directed trunk spray using thorough coverage. Peach Twig Borer, Plum Curculio, Oriental Fruit Moth, Cherry Fruit Fly, Western Cherry Fruit Fly, Leafrollers, Black Cherry Aphid control: Apply by ground sprayer to achieve thorough coverage of all aerial portions of the tree. Do not graze livestock on treated orchard floors. Do not feed cull or dropped fruit to livestock.	14
Almonds	Navel Orange worm, Peach Twig Borer	0.2-0.4	10-2/3-21-1/3		12-6	Repeat as needed to maintain control but do not exceed 0.8 lb. a.i. per acre per season. Do not graze livestock on treated orchard floors.	21