

19713-400

2/18/99

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

FEB 18 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Luz G. Chan
Registration Manager
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

Dear Ms. Chan:

Subject: Deletion of Rangeland and Pasture
Drexel Acephate 75 S
EPA Reg. No. 19713-400
Your Application of September 24, 1998
Federal Register Notice of July 22, 1998

The labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that:

1. The following information/items are submitted to the Agency before the subject product is released for shipment:

A. The establishment number of the manufacturing, formulation or repackaging product from your subject product is derived.

B. The name and address of the entity from which the manufacturing, formulation or repackaging product was obtained, and

C. A copy of the bill of sale for the manufacturing, formulation or repackaging product from which your subject product is derived.

As specified in our previous letter of February 26, 1998, failure to provide these information/items within the specified time frame, may subject the registration to further regulatory action.

2. You submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

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FEB 18 1999



Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
19713-400

Acephate 75 WSP

Insecticide in a Water Soluble Bag

ACTIVE INGREDIENT:

Acephate (O,S-Dimethyl acetylphosphoramidothioate)	75.0%
OTHER INGREDIENTS:	25.0%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

See First Aid Below

EPA Reg. No. 19713-400
EPA Est. No. 19713-MS-1

Net Contents:

___ Packets

___ Lbs/Package

___ Total Lbs.

FIRST AID

Acephate is an organophosphate, cholinesterase inhibitor.

IF SWALLOWED: Drink 1 or 2 glasses of water (or milk) and induce vomiting by touching the back of the throat with finger. If possible contact a physician, Poison Control Center or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center.

IF IN EYES: Wash eyes immediately with fresh water for 15 minutes. If irritation continues, see a doctor.

IF ON SKIN: Wash skin with plenty of soap and water.

IF INHALED: Remove person from exposure area.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash hands thoroughly after handling. Do not allow children or pets to come in contact with treated areas until sprays have dried.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks and chemical-resistant headgear for overhead exposure.

Mixers and loaders must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and chemical-resistant headgear. Discard clothing and 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.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. 3) Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or soil-incorporate spills.

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 or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. 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 this 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, 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), restricted entry interval (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: Coveralls, waterproof gloves, shoes plus socks and chemical-resistant headgear for overhead exposure.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when its product is used to produce agricultural plants on farms, forests or greenhouses. For other non-agricultural areas, do not enter treated areas without protective clothing until sprays have dried.

DIRECTIONS

This package contains five water soluble packets of ACEPHATE 75 WSP. Do not handle the packets with wet gloves or allow the packets to become wet prior to addition to spray tank. If all packets are not used, close and reseal outer container to protect remaining packet(s).

To prepare spray solution, drop the unopened packet of ACEPHATE 75 WSP into a spray tank containing at least one-half the total quantity of water required. Continue to add water with the agitator running until the spray volume is reached. Depending on the water temperature and degree of agitation in the tank the packet(s) should completely dissolve in approximately 5 minutes.

Apply to cranberries only by sprinkler irrigation systems. Do not apply by chemigation to any other crop, or this crop using any other type of irrigation system.

Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

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Table of Equivalents

Amount of ACEPHATE 75 WSP	1 1/3 lbs.	1 lb.	2/3 lb.	4 oz.	2 oz.
Amount Active Contained	1 lb.	3/4 lb.	1/2 lb.	1/5 lb.	1/10 lb.

COTTON*

Insects	Amount ACEPHATE 75 WSP per Acre	Days to Harvest	Further Use Instructions
Thrips	3 fl. ozs to 4 fl. ozs.	21	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals. / acre in CA) or 10 to 25 gals. spray per acre by ground. Apply when eggs or insects first appear. Repeat as necessary to maintain control. Do not feed gin trash to livestock or allow animals to graze on treated fields.
Plantbugs (Lygus) ¹	1/3 to 1 1/3 lbs. (5.25 to 21.25 fl. ozs.) 1 to 1 1/3 lbs. (16 to 21.25 fl. ozs.) [CA, AZ]		
Fleahoppers	1/3 lb. (5.25 fl. ozs.)		
Cotton Aphid ² [excluding CA, AZ]	2/3 to 1 1/3 lbs. (10.5 to 21.25 fl. ozs.)		
Whiteflies			
Sweet potato whitefly (Silver-leaf Whitefly)	2/3 lb. 10.5 fl. ozs. = DANITOL ³ 10 2/3 to 16 fl. ozs.) ³		
Armyworms (excluding Beet armyworm)	1 1/3 lbs. (21.25 fl. ozs.)		
Cabbage looper			
Bollworm, Tobacco budworm ⁴	2/3 to 1 1/3 lbs. (10.5 to 21.25 fl. ozs.) [East of Rockies]		
Adults, Larvae ⁵	1 1/3 lbs. [CA, AZ] (21.25 fl. ozs.)		
Eggs/Deadhatch ⁶			
Stinkbugs	1 lb. (16 oz.)		
Cutworms ⁷			
Pink Bollworm ⁸ [CA, AZ]	1 1/3 lbs. (21.25 fl. ozs.)		

¹Lygus - Use higher rate for Lygus adults that have migrated into cotton.
²Cotton Aphid - This insect has shown the ability to develop resistance to various classes of insecticides in various locations at various times during the production season. Consult your Local Agricultural Extension Service for the current recommended control practices for this insect.
³Comply with all applicable directions, restrictions and precautions on the EPA registered label for DANITOL³.
⁴Bollworm and Tobacco budworm - Early season light infestation use 2/3 lb. per acre. Mid and late season moderate to severe infestations use 1 to 1 1/3 lbs. per acre. Apply when eggs appear and repeat at 3 to 7 day spray interval.
⁵Adults/Larvae - Moths are controlled when they come in direct contact with spray pesticides during application. Moth kill is most likely to occur when application is made late in the evenings during periods of peak activity.
⁶Eggs: When spray pesticides come in direct contact with eggs, hatching larvae may be controlled as they consume and emerge from their egg casing.
⁷Cutworms - Control measures are most effective when ground applications are made in the evenings and the spray is directed toward the lower portion and base of the plant. Apply in water at 10 to 25 gals. spray per acre by ground. Aerial applications are not as effective in controlling cutworms. However, should aerial application be necessary, apply in water at 3 to 10 gals. spray per acre (minimum 5 gals. per acre in CA). Apply when insects first appear or damage is first noted and repeat to maintain control.
⁸Pink Bollworm - Apply when insects appear and repeat at a 5 to 7 day spray interval.

COTTON* TANK MIXES

Insects	Amount ACEPHATE 75 WSP + Lorsban [®] 4E per Acre	Days to Harvest	Further Use Instructions
Armyworms (excluding Beet armyworm), Bollworm, Cabbage looper, Cotton aphid, Cutworms ¹ , Fleahopper, Grasshoppers, Pink bollworm, Plant bugs (Lygus, Mirids), Salt marsh caterpillar, Thrips, Tobacco budworm, Whitefly (excluding Sweet potato whitefly)	1/3 to 1 1/3 lbs. (5.25 to 21.25 fl. ozs.) + 1 to 2 pts.	21	Do not feed gin trash or treated forage to livestock. Do not allow livestock to graze on treated areas.

¹Cutworms - Use ACEPHATE 75 WSP at 1 lb. per acre. Control measures are most effective when ground applications are made in the evenings and the spray is directed toward the lower portion and base of the plant. Apply in water at 10 to 25 gals. spray per acre by ground. Aerial applications are not as effective in controlling cutworms. However, should aerial application be necessary, apply in water at 3 to 10 gals. spray per acre (minimum 5 gals. per acre in CA). Apply when insects first appear or damage is first noted and repeat to maintain control.

Insects	Amount ACEPHATE 75 WSP (Lb.) + **Synthetic Pyrethroid (fl. oz.) per Acre	Pyrethroid Maximum Lbs. per Acre	Days to Harvest	Further Use Instructions
Aphids, Bollworm, Cabbage looper, Cotton leaf perforator, Cutworms ¹ , Fall armyworm, Fleahoppers, Pink bollworm [CA, AZ], Plant bugs, Stinkbugs ¹ , Sweet potato whitefly, Tobacco budworm, Whitefly	ACEPHATE 75 WSP 1 1/3 lb. to 2 acres up to 1 1/3 lb. to 1 acre PYDRIN [®] 2.4 EC, 5.3 to 10.67	2.0	21	Begin applications when eggs or insects appear and apply as needed to maintain control. Apply in 3 to 5 gals. of water with aerial equipment or in 10 to 25 gals. of water with ground equipment. Do not feed gin trash to livestock or allow animals to graze on treated areas.
	ASANA [®] 1.9 EC, 1.4 TO 3.4*	0.5	21	
	ASANA [®] XL, 3.9 to 9.6*	0.5	21	
	CAPTURE [®] 2 EC, 1.3 to 6.4	0.5	21	
	BAYTHROID [®] 2 EC, 1.6 to 3.2	0.89	21	
	KARATE [®] 1 E, 3.2 to 5.12 [Except CA]	0.2	21	
	AMBUSH [®] 2 EC, 6.4 to 12.8	3.0	21	
	POUNCE [®] 3.2 EC, 2 to 8*	3.0	21	
	AMMO [®] 2.5 EC, 2 to 5*	1.0	21	
	CYMBUSH [®] 3 EC, 1.7 to 2.56*	1.0	21	
SCOUT [®] 0.3 EC, 6.4 to 8 [Except CA]	0.19	28		
SCOUT [®] X-TRA, 2.13 to 3.33 [Except CA]	0.19	28		

¹Stinkbugs and Cutworms - Use ACEPHATE at 1 lb. to 1 acre.
¹Cutworms - Control measures are most effective when ground applications are made in the evenings and the spray is directed toward the lower portion and base of the plant. Apply in water at 10 to 25 gals. spray per acre by ground. Aerial applications are not as effective in controlling cutworms. However, should aerial application be necessary apply in water at 3 to 10 gals. spray per acre (minimum 5 gals. per acre in CA). Apply when insects first appear or damage is first noted and repeat to maintain control. All applicable directions, restrictions and precautions on the EPA registered labels are to be followed.

*Use low rate only for light infestations.
 **Synthetic pyrethroids should be used within the guidelines of State and or Regional Resistance Management programs and recommendations.

*Cotton Restriction: Apply no more than 8 pounds per acre per crop cycle.

COTTON IN-FURROW APPLICATION

Insects	Amount ACEPHATE 75 WSP per Acre	Further Use Instructions												
Aphids, Black (Greasy) cutworm [Except CA], Thrips	2/3 to 1 1/2 lbs. (10.5 to 21.25 fl. ozs.)	Refer to the ACEPHATE 75 WSP conversion chart before making product application. ACEPHATE 75 WSP CONVERSION CHART LBS. A.I. TO FL. OZ. FORMULATED PRODUCT <table border="1"> <tr><td>0.5</td><td>10.7</td></tr> <tr><td>0.6</td><td>12.8</td></tr> <tr><td>0.7</td><td>14.9</td></tr> <tr><td>0.8</td><td>17.0</td></tr> <tr><td>0.9</td><td>19.2</td></tr> <tr><td>1.0</td><td>21.3</td></tr> </table>	0.5	10.7	0.6	12.8	0.7	14.9	0.8	17.0	0.9	19.2	1.0	21.3
0.5	10.7													
0.6	12.8													
0.7	14.9													
0.8	17.0													
0.9	19.2													
1.0	21.3													

Apply 2/3 to 1 1/2 lbs. ACEPHATE 75 WSP in 3 to 5 gals. of water per acre as an in-furrow spray.

*Cotton Restriction: Apply no more than 8 lbs. per acre per crop year.
NOTE: For the Blacklands of TX use only the 1.0 lb. ACEPHATE 75 WSP rate (21.3 ozs. formulated product per acre.) ACEPHATE 75 WSP can be mixed with fungicides that are sprayed in-furrow for disease control. Flat-fan nozzles used in-furrow application should be set so that the fanned spray pattern is aligned with the row to insure good spray deposition in the seed furrow. Cone type nozzles may not provide a spray pattern that insures maximum spray deposition in the seed furrow and should be avoided. Spray systems that employ metal or plastic tubing for delivery of spray solution into the seed furrow should have tubing securely fastened to the furrow opener and should be checked frequently to insure that the tubing is properly positioned to deposit spray solution into the seed furrow.

FIELD CROPS

Crop	Insects	Amount ACEPHATE 75 WSP per Acre	Days to Harvest
Peppermint, Spearmint	Alfalfa looper, Cutworms, Aphids	1 1/2 lbs. (21.25 fl. ozs.)	14
FURTHER USE INSTRUCTIONS: Apply in water at 5 to 10 gals. spray per acre by air or 20 to 100 gals. spray per acre by ground. Apply when eggs or insects first appear. Make one repeat application, if necessary, to maintain control. Do not apply more than 2 2/3 lbs. per acre per crop cycle. Do not use spent mint hay for feed for dairy animals.			
Peanuts	Grasshoppers	1/3 to 2/3 lb. (5.25 to 10.5 fl. ozs.)	14 (of digging)
	Thrips	1/2 to 1 lb. (10.5 to 16 fl. ozs.)	
	Corn earworm, Fall armyworm, Leafhoppers, Loopers, Velvetbean caterpillar	1 to 1 1/2 lbs. (16 to 21.24 fl. ozs.)	
FURTHER USE INSTRUCTIONS: Apply in water at 10 to 50 gals. spray per acre by ground or in 5 to 10 gals. spray per acre by air. Begin applications when insects first appear and one repeat application, if necessary, to maintain control. Do not feed treated forage or hay to livestock or allow animals to graze treated areas. Acephate 75 WSP can be tank mixed with at-cracking and early post emergence peanut herbicides.			

TOBACCO (Except CA) GREENHOUSE APPLICATION**

Insects	Amount ACEPHATE 75 WSP per Acre	Further Use Instructions
Cutworms, Flea beetles, Green peach aphid, Tobacco aphid	1 lb. (16 fl. ozs.)	Apply to foliage at the equivalent of 1/3 oz. in 3 gals. water per every 1,000 sq. ft. of bed. Apply evenly to insure thorough coverage.

NOTE: Floated water should be disposed of in the transplanted field through the transplant water or through foliar spray.

**Tobacco Restriction: Do not apply more than 5 1/2 lbs. per acre per crop cycle.

FOLIAR APPLICATION (Except CA) (Flue-cured, Air-cured, Dark Fire-cured)

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Insects	Amount ACEPHATE 75 WSP per Acre	Days to Harvest	Further Use Instructions
Grasshoppers	1/3 to 2/3 lb. (5.25 to 10.5 fl. ozs.)	3	Apply in 10 to 50 gals. water per acre with ground equipment or a minimum of 3 gals. per acre by air. Apply on a 7 day schedule or as needed. Do not re-enter sprayed areas until the spray deposit has dried.
Flea beetles, Green peach aphid, Hornworm, Tobacco thrips	2/3 lb. (10.5 fl. ozs.)		
Stinkbugs, Tobacco aphid, Vegetable weevils	2/3 to 1 lb. (10.5 to 16 fl. ozs.)		
Budworm, Cabbage looper, Cutworms	1 lb. (16 fl. ozs.)		

TRANSPLANT WATER APPLICATION

Insects	Amount ACEPHATE 75 WSP per Acre	Further Use Instructions
Flea beetle, Green peach aphid, Tobacco aphid, Cutworms, Tobacco thrips	1 lb. (16 fl. ozs.)	Provides control of early season Flea beetles, Green peach aphids, Tobacco aphids and Cutworms for approximately 3 to 4 weeks after transplanting. For later season control of these insects, apply a foliar spray of ACEPHATE 75 WSP. Apply in a minimum of 100 gals. of transplant water per acre. Do not apply more than 1 lb. ACEPHATE 75 WSP per acre as a transplant water application as some phytotoxicity may occur.

SOIL APPLICATION

Insects	Amount ACEPHATE 75 WSP per Acre	Days to Harvest	Further Use Instructions
Ants, including Imported fire ants and Harvester ants	Mound Treatment - Drench Method: Mix an equivalent of 1 fl. oz. in 5 gals. of water. (1 lb. per 80 gals.) Apply 1 gal. of mix to each mound area by sprinkling the mound unit until it is wet and treat a four (4) foot diameter circle around the mound.	3	For best results apply the material in the early morning or late afternoon when the ants are most active. Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest. Treat maximum of 13 mounds per acre. Do not treat more than once per season.

PLANT BED APPLICATION

Insects	Amount ACEPHATE 75 WSP per Acre	Further Use Instructions
Cutworms, Flea beetles, Green peach aphid, Tobacco aphid	1 lb. (16 fl. ozs.)	Apply to foliage at the equivalent of 1/3 oz. per gal. of water per every 1,000 sq. ft. of bed. Apply evenly to insure thorough coverage.

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VEGETABLE CROPS

Crop	Insects	Amount ACEPHATE 75 WSP per Acre	Days to Harvest
Beans and Lima beans (Dry and Succulent Forms)	Fleahoppers, Grasshoppers	1/3 to 2/3 lb. (5.25 to 10.5 fl. ozs.)	14 (snap beans or dry beans)
	Aphids (excluding Black bean aphid), Bean leaf beetle, Bean leafroller, Cabbage looper, Cutworms, Green cloverworm, Leafhoppers, Mexican bean beetle, Plantbugs (Lygus), Soybean looper, Thrips, Whitefly	2/3 to 1 1/3 lbs. (10.5 to 21.25 fl. ozs.)	0 (lima beans - succulent form)
	Armyworms (excluding Beet armyworm), Corn earworm, European Corn borer	1 to 1 1/3 lbs. (16 to 21.25 fl. ozs.)	
<p>FURTHER USE INSTRUCTIONS: Apply in water at a minimum of 2 gals. spray per acre by air or 20 to 100 gals. of spray per acre by ground. Apply when eggs or insects first appear. Repeat at 7 to 10 day intervals as necessary. For severe insect infestations, use higher rates. Do not feed treated vines to livestock. Do not exceed 2 2/3 lbs. per acre per crop cycle.</p>			
Brussels sprouts, Cauliflower	Green peach aphid	2/3 to 1 1/3 lbs. (10.5 to 21.25 fl. ozs.)	14
	Cabbage looper, Diamondback moth larvae*, Imported cabbageworm	1 1/3 lbs. (21.25 fl. ozs.)	
<p>FURTHER USE INSTRUCTIONS: Apply in water at 25 to 150 gals. spray per acre by ground or a minimum of 5 gals. spray per acre by air. Use the high rate when heavy infestations of Aphids are present. Begin applications when insects or eggs first appear. Repeat applications as needed. Do not apply more than 2 2/3 lbs. per acre per crop cycle. Do not feed trimmings to livestock or allow animals to graze in treated areas.</p>			
Celery	Green peach aphid	2/3 to 1 1/3 lbs. (10.5 to 21.25 fl. ozs.)	21
	Fall armyworms, Cabbage looper	1 1/3 lbs. (21.25 fl. ozs.)	
<p>FURTHER USE INSTRUCTIONS: Apply in water at 50 to 100 gals. spray per acre by ground or in a minimum of 5 gals. per acre by air. Apply when eggs of insects appear and repeat at 3 to 10 day intervals as necessary to maintain control. Do not apply more than 2 2/3 lbs. per acre per crop cycle. Trim plants (tops removed) before shipment for use. Do not use trimmed (tops) for food or feed.</p>			
Head Lettuce (Crisp-head type only)	Aster leafhopper, Green peach aphid	2/3 to 1 1/3 lbs. (10.5 to 21.25 fl. ozs.)	21 Spring, Summer and early Fall crops in all areas and Winter crops in FL and TX, late Fall crops in AZ and CA.
	Armyworms (excluding Beet armyworm), Cabbage looper	1 1/3 lbs. (21.25 fl. ozs.)	
<p>FURTHER USE INSTRUCTIONS: Apply in water at 5 to 10 gals. spray per acre by air and 10 to 60 gals. spray per acre (broadcast) by ground. Apply as necessary to maintain desired control. Do not apply more than 2 2/3 lbs. per acre per crop cycle. Do not apply after first head begins to form to crops which germinate from mid-September through November in desert areas of AZ and CA. Do not feed trimmings to livestock or allow to graze on treated areas.</p>			
<p>*Diamondback moth larvae - This insect has shown the ability to develop resistance to various classes of insecticides in various locations during the production season. Consult your Local Agricultural Extension Service for the current recommended control practices for this insect.</p>			

VEGETABLE CROPS (Continued)

Crop	Insects	Amount ACEPHATE 75 WSP per Acre	Days to Harvest
Peppers (non-bell type)	Aphids	2/3 lb. (10.5 fl. oz.)	7
	<p>FURTHER USE INSTRUCTIONS: For use in Midwestern, Eastern States and Puerto Rico only. Apply in Winter at 40 to 150 gals. spray per acre with ground equipment. Repeat at 7 to 10 day intervals as necessary. Do not exceed 1 1/3 lbs. per acre per crop cycle.</p>		
Sweet peppers (bell type)	Grasshoppers	1/3 to 2/3 lb. (5.25 to 10.5 fl. ozs.)	7
	Cabbage looper, Green peach aphid, Tobacco hornworm	2/3 to 1 1/3 lbs. (10.5 to 21.25 fl. ozs.)	
	European corn borer	1 to 1 1/3 lbs. (16 to 21.25 fl. ozs.)	
<p>FURTHER USE INSTRUCTIONS: Apply in water at a minimum of 3 gals. spray per acre by air or 25 to 150 gals. spray per acre by ground. Do not exceed 2 2/3 lbs. per acre per crop cycle. Apply when eggs or insects appear. Repeat as necessary until insects have been reduced below economic numbers.</p>			

WASTELAND

Insects	Amount ACEPHATE 75 WSP per Acre	Days to Harvest	Further Use Instructions
Grasshoppers, Mormon crickets, Black grass bugs	1/2 to 1 1/2 lb. (2 to 2 2/3 fl. ozs.)	21 (for hay)	<p>Apply in water at a minimum of 1/2 gal. spray per acre by air or 10 to 20 gals. spray per acre by ground.</p> <p>Use the higher rate in thicker vegetation or on larger insects. An approved drift retardant additive may be added to aid in controlling drift and reducing evaporation of aerial sprays.</p> <p>Do not make more than one application per season.</p> <p>Do not apply when lactating dairy cattle are present. Do not graze or feed grass or grass hay to dairy animals. Remove meat animals from treated areas for at least one day before slaughter if they were present at application or grazed treated areas within 21 days after application.</p>

FRUIT CROPS

Crop	Insects	Amount ACEPHATE 75 WSP per Acre	Days to Harvest
Cranberries	Cranberry blossom worm, False armyworm, Fireworms, Gypsy moth, Span-worms, Sparganothis	1 1/3 lbs. (21.25 fl. ozs.)	90
<p>FURTHER USE INSTRUCTIONS: Apply in water by air, ground or with sprinklers. Use a minimum of 2 gals. spray per acre by air. Use sufficient water to give thorough coverage with ground or sprinkler equipment. Do not exceed more than 1 1/3 lbs. per acre per crop cycle. Do not apply from start of bloom until all berries set.</p>			

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NON-BEARING CITRUS (Including Citrus nursery seedlings)

Insects	Amount ACEPHATE 75 WSP per Acre	Time of Application	Recommended Application
Aphids, Grasshoppers, Katydid, Mealybugs, Orangedogs, Plant bugs, Thrips, Whiteflies	$\frac{2}{3}$ lb. (10.5 fl. ozs.)	Apply as needed for control of existing populations. The high rate should be used when a heavy infestation of Citrus blackfly is present.	Apply ACEPHATE 75 WSP in 100 to 200 gals. of water per acre. Spray individual juvenile or non-bearing trees for coverage with total application not to exceed specified rate in lbs. per acre. Length of residual activity will depend upon spray coverage and the amount of moisture following application.
Citrus Blackfly (Except CA)	$\frac{2}{3}$ to 1 lb. (10.5 to 16 fl. ozs.)	Begin applications when eggs or adults first appear. Apply on a 7 to 10 day interval or as needed to maintain control.	Do not graze treated areas. DO NOT HARVEST citrus for one year after treatment. For mound drench treatment, apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) ft. diameter circle around the mound.
Ants, (including Imported fire ants and Harvester ants*)	Foliar Spray 1.0 lb. (16 fl. ozs.) Mound Treatment Drench Method: mix 1 fl. oz. in 5 gals. of water.	Apply as needed for control of existing populations.	

SPECIALTY USES IN NON-CROP AREAS

Crop	Insects	Amount ACEPHATE 75 WSP per Acre
Non-Crop Areas (borrow pits, ditchbanks, field borders, fencerows, roadsides)	Grasshoppers	$\frac{1}{2}$ lb. (5.25 fl. ozs.)
	FURTHER USE INSTRUCTIONS: For early to mid-season application to Grasshoppers in field borders, fencerows, roadsides, ditchbanks and borrow pits. Apply in 1 to 5 gals. of water with ground equipment. Use the higher volumes when spraying heavier foliage. Do not graze or feed vegetation cut from treated areas. Do not apply under conditions involving possible draft to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.	

SPRINKLER IRRIGATION APPLICATION TO CRANBERRIES

This product may only be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set or hand move. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water suppliers are in place. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

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 system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

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 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.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Solid Set System: Apply specified dosage for the entire length of the irrigation period or for a 30 to 60 minute period at the end of a regular irrigation set or as a 30 to 60 minute injection as a separate application not associated with a regular irrigation. Allow time for all lines to flush the pesticide through the nozzle before turning off irrigation water. To ensure the lines are flushed and free of remaining pesticide, a dye indicator may be injected into the lines to mark the end of the application period. See NOTE.

Center Pivot Systems: Inject the specified dosage per acre continuously for one complete reevaluation of the system. See Note.

NOTE: Constant agitation must be maintained in the chemical supply tank during the entire period of insecticide application. Inject the product with a positive displacement pump into the main line ahead of a right turn to insure adequate mixing.

Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage and disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE INSTRUCTIONS: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in cool, dry place. Protect from excessive heat. Do not contaminate food or feedstuffs. Do not store or transport near feed or food.

For help with any spill leak, fire or exposure involving this material, call day or night 1-800-892-0099, or Chemtrec 1-800-424-9300.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse the outer bag. Dispose of outer bag in a sanitary landfill or by incineration if allowed by State and Local authorities

WARRANTY—CONDITION OF SALE

Manufacturer warrants that this product conforms to its chemical description and is reasonably fit for the purposes referred to in the directions for use. Manufacturer makes no other warranties, express or implied, including FITNESS or MERCHANTABILITY. In no case shall Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The foregoing is a condition of sale and is accepted as such by the Buyer.

Ambush is a registered trademark of Zeneca Ag Products for permethrin insecticide. Ammo is a registered trademark of FMC Corp. for cypermethrin insecticide. Asana is a registered trademark of E.I. duPont de Nemours & Co., Inc. for esfenvalerate insecticide. Baythroid is a registered trademark of Bayer for cyfluthrin synthetic pyrethroid. Capture is a registered trademark of FMC Corp. for bifenthrin insecticide. Cymbush is a registered trademark of Zeneca Inc. Ag Products for cypermethrin insecticide. Karate is a registered trademark of Zeneca Ag Products U.K. for lambda-cyhalothrin insecticide. Lorsban is a registered trademark of Dow Chemical Company for chlorpyrifos insecticide. Orthene is a registered trademark of Tomen Agro Inc. for acephate insecticide. Pounce is a registered trademark of FMC Corp. for permethrin insecticide. Scout is a registered trademark of AgrEvo USA Co. for trialomethrin pyrethroid insecticide.