



34704-903

02/15/2006

1/14

	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460	EPA Reg. Number: 34704-903	Date of Issuance: FEB 15 2006
		Term of Issuance: Conditional	
		Name of Pesticide Product: Acephate 97 EG	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)			
Name and Address of Registrant (include ZIP Code): Loveland Products, Inc. P.O. Box 1286 Greeley, CO 80632			
Note: Changes in labeling 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 EPA registration number.			
<p>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. Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none">1. Submit and/or cite all data required for registration of your product when the Agency requires all registrants of similar products to submit such data. Since the Interim Reregistration Eligibility Decision (IREED) and the accompanying Data Call In (DCI) have been issued for acephate and you have referenced a registered acephate product in support of your product, the registration issued for your product is conditioned on acceptable data being submitted for the supporting product in response to the DCI or new data being submitted to replace any unacceptable data. If the data are unacceptable and will not be replaced, the supporting product registration will be subject to being suspended. In that event, you will lose your formulator's exemption and become subject to providing these data or being suspended.2. Make the following label changes:<ol style="list-style-type: none">a. Add the designation, EPA Reg. No. 34704-903.b. On page one, reinstate the statements "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." So that it immediately precedes the statement "See engineering controls for additional requirements."			
Signature of Approving Official:  Daniel C. Kenny, Product Manager (01) Insecticide-Rodenticide Branch, Registration Division (7505C)		Date: FEB 15 2006	

- c. Revise the Environmental Hazards section as described below:
- Remove the first paragraph beginning with the sentence, "Do not discharge effluent...". This paragraph is applicable for manufacturing use products.
 - Relocate the statement, "This pesticide is toxic to birds" from the present location at the end of the section to the beginning of the section immediately preceding the sentence, "Do not apply directly to water...".
- d. Relocate the statement, "Do not enter or allow others to enter until sprays have dried" appearing on the first page under Directions for Use to within the Non-Agricultural Use box, so that it replaces the two statements beginning with "Statements for use on...".
- e. Correct the typographical error that appears in the Equipment Restrictions heading.
- f. Revise the Spray Drift Restrictions section as described below:
- Correct the first sentence in the subsection regarding airblast applications so that it reads, "For airblast applications, do not direct spray...".
 - Separate the last statement of the section beginning, "The applicator also must use all other measures..." so that it clearly applies to all methods of application, as opposed to applying only to overhead chemigation applications.
- g. Make the following changes to the statements regarding minimum spray intervals specified throughout the use directions for the individual crops:
- Revise the wording of the specified spray interval statements wherever they appear so that they read "Minimum spray intervals...".
 - Delete the statements regarding the minimum spray intervals from the beginning of the use directions for both Commercially Treated Cottonseed and Cranberry. This restriction does not apply to these types of uses.
 - Relocate the minimum spray interval statements in the use directions for Peppers so that these statements appear directly below the "Peppers" heading. Their current location under the "Bell" subheading may mislead the user to believe that the restriction applies only to use on bell peppers.
 - Relocate the minimum spray interval statements in the use directions for Tobacco so that these statements appear directly below the "Tobacco" heading. Their current location under the "Tobacco Transplant Water Application" subheading is inappropriate.
 - For purposes of clarity, add the minimum spray interval statements (i.e., 3 days for applications of up to 0.5 pounds of active ingredient per acre, 7 days for applications greater than 0.5 pounds of active ingredient per acre) to the use directions for Specialty Uses – Ornamental Trees and Shrubs and Container Grown Ornamental Nursery Stock, to the use directions for Golf Course and Sod Farm Turfgrass, and to the use directions Outdoor Floral Crops and Ground Covers.

page 3

EPA Reg. No. 34704-903

- h. Make the following changes to the use directions for Specialty Uses – Ornamental Trees and Shrubs and Container Grown Ornamental Nursery Stock:
- Within the first rate chart, revise the reference to “Container Grown Nursery Stock” below the “Plants” heading so that it reads “Container Grown Ornamental Nursery Stock”.
 - Revise the heading for the second rate chart currently reading “Trees and Shrubs” so that it reads “Ornamental Trees and Shrubs”.
- i. Add the statement “Pest Control Operator use instructions: The use of low pressure handwand for perimeter or wasp treatment is prohibited” so that it appears at the end of the use directions for Outdoor and Perimeter Spray.

It is understood that the Formulator’s Exemption Statement (FES) dated February 14, 2006 and reflecting the basic Confidential Statement of Formula (CSF) replaces the FES dated October 13, 2005.

It is also understood that the basic CSF dated October 14, 2005 is the only CSF for the product and that the two alternate CSFs of the same date are withdrawn.

Submit two copies of the revised final printed label before you release the product for shipment.

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.

Daniel C. Kenny
Product Manager (01)
Insecticide-Rodenticide Branch
Registration Division (7505C)

DK: 305-7546: IRB/PM01

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	D. Kenny							
DATE ▶	2/15/06							

FEB 15 2006
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
34704-903



ACEPHATE 97 EG

SOLUBLE INSECTICIDE

ACTIVE INGREDIENT:	BY WT.
Acephate (O,S-Dimethyl acetylphosphoramidothioate)	97.4%
OTHER INGREDIENT	2.6%
TOTAL	100.0%

Mfg. In accordance with U.S. Pat. No. 5,464,623; Pat. Pending

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

Acephate is an organophosphate, cholinesterase inhibitor.

If swallowed:	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976.**

Note to Physician: This material contains a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure but decisions regarding treatment will usually need to be made before test results are available. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

EPA REG. NO. 34704-

EPA EST. NO. 34704-MS-1

NET WEIGHT 1 POUND (453.6 G)

IHT

02/06R

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & 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 into contact with treated areas until sprays have dried.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are Barrier Laminate, Butyl Rubber ≥ 14 mils, or Natural Rubber ≥ 14 mils. "If you want more options, follow the instructions for category A, on an EPA chemical resistance category selection chart." Mixers/loaders, applicators and other handlers must wear: long-sleeved shirt and long pants, socks and shoes, chemical resistant gloves for all mixers and loaders and for applicators using handheld application equipment. "In addition, all mixers and loaders and all applicators using low pressure hand wand application equipment must wear: A NIOSH-approved dust mist filtering respirator with

MSHA/NIOSH approval number prefix TC-21C* or a NIOSH-approved respirator with any N, R, P, or HE filter."

*See engineering controls for additional requirements."

ENGINEERING CONTROL STATEMENTS

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

The use of human flaggers is prohibited.

USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing/PPE immediately if pesticide gets inside. 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

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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 contaminate water by cleaning of equipment or disposing of equipment washwaters.

Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all treated seed and seed packaging by burial away from bodies of water.

This product and its degradate are 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 while bees are actively visiting the treatment area.

This pesticide is toxic to birds.

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.

Application Intervals for all agricultural and non-agricultural crops: Spray intervals of 3 days for applications rates up to 0.5 lb ai/A and 7 days for application rates greater than 0.5 lb ai/A must be followed.

Do not enter or allow others to enter treated areas until sprays have dried.

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.

EQUIPMENT RESTRICTIONS

Aerial applications to turf are prohibited.

General use instructions: Do not apply using low pressure handwand equipment except for use as a mound treatment for control of fire ants and for use on ornamental trees, shrubs and floral plants as a non-agricultural use.

Pest Control Operator use instructions: The use of low pressure handwand for perimeter or wasp treatment is prohibited.

Spray Drift Restrictions

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, non-target crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals. For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.

5/14

For airblast applications, direct spray above foliage and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3 - 10 mph at the application site as measured by an anemometer outside of the treated area on the upwind side.

For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3 - 10 mph as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or the crop canopy.

For overhead chemigation, apply only when wind speed is 10 MPH or less. The applicator also must use all other measures necessary to control drift.

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 this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Statement for use on agricultural products: For non-agricultural areas, do not enter or allow others to enter until sprays have dried.

Statement for use on non-agricultural use and Alternate Brand Name products: For other uses, including golf courses and other non-agricultural areas, do not enter treated areas without protective clothing until sprays have dried.

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, 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 the 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 entry into 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, chemical resistant gloves made of any waterproof material, shoes plus socks and chemical-resistant headgear for overhead exposure.

[Worker Protection exclusionary statement for use only with Cotton Seed Treatment use.]

Not for use on agricultural establishments in hopper-box, planter-box, slurry-box or other seed treatment applications at, or immediately before, planting.

STORAGE AND DISPOSAL

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

STORAGE: 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 foodstuffs. Do not store or transport near feed or food.

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

Completely empty canister into application equipment. Do not reuse container. Dispose of empty canister in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, state out of smoke.

ACEPHATE 97 EG
EPA REG. NO. 34704-

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label for each product to be used in the tank mix with this product.

DIRECTIONS

CHEMIGATION

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.

GENERAL MIXING INSTRUCTIONS

Thoroughly clean all sprayer components prior to mixing. Add approximately 1/2 of the required amount of water to the spray tank and begin agitation. Add the required amount of ACEPHATE 97 EG insecticide and mix thoroughly. Then add other tank mix partners or foliar feed additives and the remaining water. Maintain agitation during filling and spraying to ensure a uniform spray mixture.

For application equipment, which has the minimal agitation such as tobacco transplant water equipment, proper attention to mixing the ACEPHATE 97 EG product should be given. With tobacco transplant water applications the ACEPHATE 97 EG product should be premixed in water to form a slurry prior to putting the product into the transplant water applicator. If premixing is not done, then adequate time should be allowed for the product to dissolve in the transplant water prior to beginning application.

BEANS AND LIMA BEANS - Dry and Succulent Forms

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

TABLE 1. Beans and Lima Beans - Dry and Succulent Forms - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR	Fleahoppers Grasshoppers	1/4 to 1/2 lb. (4 to 8 oz.)	14 (snapbeans - succulent or dry beans)
By Ground: 20 to 100 gals./A of spray	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 (Except Sweet potato or Silverleaf Whitefly)	1/2 to 1.0 lb. (8 to 16 oz.)	24 hours (lima beans - succulent form)
By Air: Minimum of 2 gals./A of spray	Armyworms (excluding Beet Armyworm) Corn Earworm European Corn Borer	3/4 to 1.0 lb. (12 to 16 oz.)	

REMARKS: Apply when eggs or insects first appear. Repeat at 7 to 10 day spray intervals as necessary to maintain control.* Use higher rates for severe insect infestations.

USE PRECAUTIONS: Do not feed treated vines to livestock. *Do not apply more than 2-1/8 lbs./A (2 lbs. ai) per season.

CELERY

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

TABLE 2. Celery - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR	Green Peach Aphid	1/2 to 1.0 lb. (8 to 16 oz.)	21
By Ground: 50 to 100 gals./A of spray	Cabbage Looper Fall Armyworms	1.0 lb. (16 oz.)	
By Air: Minimum of 5 gals./A of spray			

REMARKS: Apply when eggs or insects first appear. Repeat at 3 to 10 day spray intervals as necessary to maintain control*

CELERY cont'd:

TABLE 2. Celery - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
--------------------	------------------	----------------------------------	-----------------

USE PRECAUTIONS: All celery must be trimmed (tops removed) before shipment for use. Do not use trimmed tops for food or feed. *Do not apply more than 2-1/8 lbs./A (2 lbs. ai) per season.

COLE CROPS - BRUSSELS SPROUTS & CAULIFLOWER

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

TABLE 3. Cole Crops - Brussels Sprouts & Cauliflower - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR	Green Peach Aphid	1/2 to 1.0 lb. (8 to 16 oz.)	14
By Ground: 25 to 150 gals./A of spray	Cabbage Looper Diamondback Moth Larvae Imported Cabbage Worm	1.0 lb. (16 oz.)	
By Air: Minimum of 5 gals./A of spray			

REMARKS: Use the high rate when heavy infestations of aphids are present. Apply when eggs or insects first appear. Repeat application as necessary to maintain control.* Diamondback Moth Larvae: This insect has demonstrated an ability to develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current recommended control practices for this insect.

USE PRECAUTIONS: *Do not apply more than 2-1/8 lbs./A (2 lbs. ai) per season to Brussels Sprouts and Cauliflower. Do not feed trimmings to livestock or allow animals to graze in treated areas.

COMMERCIALLY TREATED COTTONSEED

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

TABLE 4. COMMERCIALLY TREATED COTTONSEED - Recommendations for Use

PESTS CONTROLLED	AMOUNT PER 100 LBS. COTTONSEED	EFFICACY
Cotton Aphids Thrips (Including Western Flower Thrips)	8.4 oz. (4/10 lb.)	Gives effective reduction of thrips and cotton aphids for up to three weeks after planting.
Black (Greasy) Cutworm	6.4 oz. (4/10 lb.)	Gives effective reduction of Black (Greasy) Cutworm from planting through the 3rd to 4th leaf stage of development. When planting into fields where large cutworms are present (5th instar and larger) separate treatment using economic damage may occur.

REMARKS: ACEPHATE 97 EG contains a water-soluble systemic insecticide which helps to reduce injury to cotton seedlings by several insects. ACEPHATE 97 EG can be mixed in the slurry tank with most of the fungicide seed treatments in common use. ACEPHATE 97 EG can also be applied as a enough water to give adequate coverage of the seed. ACEPHATE 97 EG dissolves quickly in water with a minimum of agitation.

USE PRECAUTIONS: When using formulations that do not contain dye, compliance with 21 CFR Chapter 1, Section 2.5 requires that all seed treated with a pesticide must be colored to distinguish from, and prevent subsequent inadvertent use as, food for man or feed for animals.

Treated seed must not be used for, or mixed with, food or animal feed, or processed for oil. Seed treated with ACEPHATE 97 EG may be considered adulterated under state and federal laws if sold or shipped as food or feedstuffs. Seed commercially treated with ACEPHATE 97 EG must be labeled as follows: "TREATED SEED DO NOT USE FOR FOOD, FEED OR OIL."

Observe all precautions and limitations on labeling of all products used in mixtures.

COTTON

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

GENERAL USE PRECAUTIONS

Do not use treated seed for food or feed purposes for oil. Do not feed gin trash to livestock. Do not allow animals to graze on treated areas.

**Do not apply more than 4.12 lbs./A (4 lbs. ai) per season. This includes all methods of application.

Aerial Applications on Cotton: Limit 1 lb a.i./A to cotton grown in California and Arizona. Limit 0.75 a.i./A for all other areas of the United States.

TABLE 5. Cotton - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
IN FURROW	Aphids*	1/2 to 1.0 lb. (8 to 16 oz.)	
By Ground: 3 to 5 gals./A of spray.	Black (Greasy) Cutworm (Except CA) Thrips (Including Western Flower Thrips)	NOTE: For the Blacklands of Texas use 1.0 lb./A ACEPHATE 97 EG.	
	*Excluding Cotton Aphids in AZ & CA		

REMARKS: Use flat-fan nozzles for in-furrow application. Align nozzles to ensure good spray deposition into the seed furrow.

ACEPHATE 97 EG **EPA REG. NO. 34704-**

TABLE 5. Cotton - Recommendations for Use cont'd.:

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
	REMARKS cont'd.: Cone type nozzles are not recommended since unacceptable spray deposition may occur. Securely fasten spray system tubing to furrow opener and check frequently to ensure proper positioning and operation. ACEPHATE 97 EG can be mixed with fungicides that are sprayed in-furrow for disease control.		
FOLIAR By Ground: 10 to 25 gals./A of spray. By Air: 3 to 10 gals./A of spray (minimum of 5 gals./A in AZ & CA).	Thrips (Including Western Flower Thrips)	2.5 oz. to 3.0 oz.	21
	REMARKS: Apply when eggs or insects first appear. Repeat application as necessary to maintain control.**		
	Plantbugs (Lygus)	0.25 to 0.75 lb. (4 to 12 oz.)	21
		0.75 to 1.0 lb. (AZ & CA)	
	REMARKS: Apply when eggs or insects first appear. Use highest rate for Lygus adults that have migrated into cotton. Repeat application as necessary to maintain control.**		
	Flea hopper	0.25 lb. (4 oz.)	21
	REMARKS: Apply when eggs or insects first appear. Repeat application as necessary to maintain control.**		
	Cotton Aphid (excluding AZ & CA)	0.5 to 0.75 lb. (8 to 12 oz.)	21
	REMARKS: This insect may develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current control recommendations. Repeat application as necessary to maintain control.**		
	Whitefly (excluding Sweetpotato Whitefly/Silverleaf Whitefly)	1/2 to 0.75 lb. (8 to 12 oz.)	21
	REMARKS: Repeat application as necessary to maintain control.**		
	Armyworms (excluding Beet Armyworm)	0.75 lb. (12 oz.)	21
	Cabbage Looper		
	REMARKS: Apply when eggs appear and repeat at 3 to 7 day spray intervals.**		
	Bollworm	0.5 to 0.75 lb. (8 to 12 oz.)	21
	Tobacco Budworm		
	Adults (East of Rockies)		
	Larvae	1.0 lb. (AZ & CA)	
	Eggs/DEADHATCH®		
	REMARKS: Early Season: Use 1/2 lb./A for light infestation. Mid and Late Season: Use 0.75 lbs./A for moderate to severe infestations. Apply when eggs appear and repeat at 3 to 7 day spray intervals.** Moths of budworm larvae are controlled by direct contact with spray. Moth kill most likely to occur when late evening applications are made. DEADHATCH: Control of emerging larvae by consumption of treated egg casings.		
	Stinkbugs	0.75 lb. (12 oz.)	21
	REMARKS: Apply when eggs appear and repeat at 3 to 7 day spray intervals.**		
	Pink Bollworm (AZ & CA)	1.0 lb. (16 oz.)	21
	REMARKS: Apply when insects appear and repeat at 5 to 7 day spray intervals.**		
	Cutworms	0.75 lb. (12 oz.)	21
	REMARKS: Ground application is recommended. Aerial applications are less effective, but may be used. Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of plant. Apply when insects first appear or damage is first noted and repeat application as necessary to maintain control.**		

COTTON TANK MIXES **GENERAL USE PRECAUTIONS:**

Do not feed gin trash or treated forage to livestock.
Do not allow livestock to graze on treated areas.

**Do not apply more than 4.12 lbs./A (4 lbs. ai) per season. This includes all methods of application.

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. Observe all restrictions and precautions which appear on all product labels. The most restrictive labeling applies when using a tank mix.

TABLE 6. Cotton Tank Mixes - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	ACEPHATE 97 EG AND TANK MIX PARTNER	AMOUNT OF ACEPHATE 97 EG + TANK MIX PARTNER PER ACRE
FOLIAR	Sweetpotato Whitefly (Silverleaf Whitefly)	ACEPHATE 97 EG + DANITOL® 2.4 EC	0.5 lb. (8 oz.) + 8 to 16 fl. oz.
		REMARKS: User should comply with all applicable directions, of restrictions and precautions on the EPA registered label for Danitol 2.4 EC Spray. Use a minimum application rate of 10-2/3 fl. oz./acre DANITOL (0.2 lb. ai/acre) in CA and AZ.	
By Ground: 10 to 25 gals./A of spray	Armyworms (excluding Beet Armyworm)	ACEPHATE 97 EG + LORSBAN® 4E	0.25 to 0.75 lb. (4 to 12 oz.) + 1 to 2 pts.
By Air: 3 to 10 gals./A of spray (minimum 5 gals./A in CA)	Bollworm		
	Cabbage Looper		
	Cotton Aphid		
	Cutworms		
	Flea hopper		
	Grasshoppers		
	Pink Bollworm		
	Plantbugs (Lygus, Mids)		
	Salt Marsh Caterpillar		
	Thrips (including Western Flower Thrips)		
	Tobacco Budworm		
	Whitefly (Excluding Sweetpotato/Silverleaf Whitefly)		

ACEPHATE 97 EG **EPA REG. NO. 34704-**

TABLE 7. Cotton Tank Mixes with Pyrethroids - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	ACEPHATE 97 EG AND TANK MIX PARTNER	AMOUNT OF ACEPHATE 97 EG + TANK MIX PARTNER PER ACRE
FOLIAR By Ground: 10 to 25 gals./A spray By Air: 3 to 5 gals./A spray (minimum 5 gals./A in CA) See aerial remarks for Cutworms.	Aphids Bollworm Cabbage Looper Cotton Leaf Perforator Cutworms Fall Armyworm Fleahoppers Pink Bollworm (AZ & CA) Plantbugs Stinkbugs Sweetpotato/Silverleaf Whitefly Thrips (including Western Flower) Tobacco Budworm Whitefly	ACEPHATE 97 EG + one of the following:	1/2 to 1.0 lb./A (8 to 16 oz.) + one of the following: Refer to the AMMO 2.5 EC approved label for use instructions.
		AMMO® 2.5 EC*	
		ASANA® XL*	Refer to the ASANA 2.5 EC approved label for use instructions.
		BAYTHROID® 2 EC	Refer to the BAYTHROID 2 EC approved label for use instructions.
		CAPTURE® 2 EC	Refer to the CAPTURE 2 EC approved label for use instructions.
		KARATE® 1 E (Except CA)	Refer to the KARATE 1 E approved label for use instructions.
		SCOUT X-TRA® (Except CA)	Refer to the SCOUT X-TRA approved label for use instructions.

REMARKS: Apply when eggs or insects first appear. Repeat application as necessary to maintain control.** Stinkbugs: Use 1/4 lb./A of ACEPHATE 97 EG. Cutworms: Use 1/4 lb./A of ACEPHATE 97 EG. **By Ground:** Ground application is recommended. Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of plant. **By Air:** 3 to 10 gals./A spray (minimum 5 gals./A in CA). Aerial applications are less effective, but may be used. Apply when eggs first appear or damage is first noted. Repeat application as necessary to maintain control.**

RESISTANCE-MANAGEMENT: Cotton pest control programs, especially those for control of Silverleaf Whitefly populations, should employ a properly designed resistance-management strategy. Such resistance-management strategies should include mixture or rotation of alternative classes of chemistry including organophosphates, carbamates, pyrethroids or insect growth regulators. Consult your state or area agricultural extension service for local resistance management strategies and advice on alternative insecticides.

CRANBERRY

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

TABLE 8. Cranberry - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATE OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR By Ground or Sprinkler: Sufficient water to give thorough coverage. By Air: Minimum of 2 gals./A of spray.	Cranberry Blossom Worm Cranberry Cutworm Gypsy Moth False Armyworm Fireworms Spanworms Sparganothis	1.0 lb. (16 oz.)	90

REMARKS: **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 systems are in place.

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.

TABLE 8. Cranberry - Recommendations for Use cont'd.

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
--------------------	------------------	----------------------------------	-----------------

REMARKS cont'd.: 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.
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 all nozzles 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 revolution 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 ensure 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.
USE PRECAUTION: **Notes:** Limit to one application per growing season. Do not apply more than 1.0 lb. (1.0 lb. ai) per season. Do not apply from start of bloom until all berries set.

HEAD LETTUCE - Crisphead Type Only

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

TABLE 9. Head Lettuce (Crisphead Type Only) - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR By Ground: 10 to 60 gals./A of spray broadcast. By Air: Minimum of 5 gals./A of spray	Aster Leafhopper Green Peach Aphid Armyworms (excluding Beet Armyworm) Cabbage Looper	1/2 to 1.0 lb. (8 to 16 oz.) 1.0 lb. (16 oz.)	21 Spring, Summer and early Fall crops in all areas, Winter crops in Florida and Texas, late Fall crops in Arizona and Winter crops in Arizona and California.

REMARKS: Repeat application as necessary to maintain control.*

USE PRECAUTIONS: *Do not apply more than 2-1/8 lbs./A (2 lbs. ai) per season. Do not feed trimmings to livestock or allow animals to graze on treated areas. **AZ & CA, Desert Areas:** Do not apply after first head begins to form in crops which germinate from mid-September through November.

MINT

PEPPERMINT AND SPEARMINT

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

TABLE 10. Mint - Peppermint and Spearmint - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR By Ground: 20 to 100 gals./A of spray By Air: 5 to 10 gals./A of spray	Alfalfa Looper Aphids Cutworms	1.0 lb. (16 oz.)	14

REMARKS: Apply when eggs or insects first appear. Make one repeat application, if necessary, to maintain control.*

USE PRECAUTIONS FOR ALL APPLICATION METHODS: *Do not apply more than 2-1/8 lbs./A (2 lbs. ai) per season. Do not graze treated areas.

ACEPHATE 97 EG **EPA REG. NO. 34704-**

TABLE 10. Mint - Peppermint and Spearmint - Recommendations for Use cont'd.:

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR	Strawberry Root Weevil Adult Black Vine Weevil Adult	1.0 lb. (16 oz.)	14

By Ground:
40 to 100 gals./A
of spray

REMARKS: Strawberry Root and Black Vine Weevil: For control, apply in water in a minimum of 40 gals. spray per acre by ground. Good spray coverage and canopy spray penetration is critical for control. Increase spray volume and pressure with tall or dense mint canopy. Apply after adult emergence is complete but prior to egg laying. Apply at dusk or during the night on a warm still evening. Two applications 10 to 14 days apart may be necessary to reduce heavy infestations.

USE PRECAUTIONS FOR ALL APPLICATION METHODS: *Do not apply more than 2-1/8 lbs./A (2 lbs. ai) per season. Do not graze treated areas.

NON-BEARING CITRUS - RECOMMENDATIONS FOR USE IN AGRICULTURAL SETTINGS

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

(Newly Planted Groves)

GENERAL USE PRECAUTIONS

Do not graze treated areas.

DO NOT HARVEST citrus for one year after treatment.

TABLE 11. Non-Bearing Citrus - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATE OF ACEPHATE 97 EG PER ACRE
FOLIAR	Aphids Grasshoppers Katydid Mealybugs Orangedogs Plantbugs Thrips Whiteflies (except Sweetpotato/Silverleaf)	1/2 lb. (8 oz.)

By Ground:
100 to 200
gals./A of spray

REMARKS: Repeat application as necessary to maintain control.

Citrus Blackfly 1/2 to 3/4 lb. (8 to 12 oz.)

REMARKS: Apply when eggs or insects first appear. Use the high rate when a heavy infestation is present. Repeat at 7 to 10 day spray intervals.

Ants 3/4 lb. (12 oz.)

(Including Imported Fire Ants and Harvester Ants)

REMARKS: Repeat application as necessary to maintain control.

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.

SOIL MOUND TREATMENT	Ants (Including Imported Fire Ants and Harvester Ants)	3/4 oz./5 gals.
----------------------	--	-----------------

DRENCH METHOD

REMARKS: Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound. Repeat application as necessary to maintain control.

NON-CROP AREAS - FIELD BORDERS, FENCEROWS, ROADSIDES, DITCH-BANKS, BORROW PITS

Do not apply using low pressure handwand equipment except for use as a mound treatment for control of fire ants and for use on ornamental trees, shrubs and floral plants as a non-agricultural use.

TABLE 12. Non-Crop Areas - Field borders, Fencerows, Roadsides, Ditchbanks, Borrow Pits - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE
FOLIAR	Grasshoppers	1/4 lb. (4 oz.)

By Ground: 10 to 20
gals./A of spray

By Air: 1 to 5 gals./A
of spray (minimum of
5 gals./A in CA)

REMARKS: For early to mid-season application. Use the higher volumes when spraying dense foliage. An approved drift retardant may be added to aid in controlling drift and reducing evaporation of aerial sprays.

USE PRECAUTION: Do not graze or feed vegetation cut from treated areas.

WASTELAND

TABLE 13. Non-Crop Areas - Wasteland - Recommendations for Use

Do not apply using low pressure handwand equipment except for use as a mound treatment for control of fire ants and for use on ornamental trees, shrubs and floral plants as a non-agricultural use.

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE
FOLIAR	Black Grass Bugs Grasshoppers Mormon Crickets	1.5 to 2 oz.

By Ground:
10 to 20 gals./A
of spray

By Air: 1/2 gal./A
of spray (minimum
of 5 gals./A in CA)

REMARKS: Use the higher volumes when spraying dense foliage. An approved drift retardant may be added to aid in controlling drift and reducing evaporation of aerial sprays.

USE PRECAUTIONS: Do not make more than one application per season. Do not graze or feed vegetation cut from treated areas.

PEANUTS

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

TABLE 14. Peanuts - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR	Grasshoppers	1/4 to 1/2 lb. (4 to 8 oz.)	14 (of digging)
	Thrips	3/8 to 1/2 lb. (6 to 12 oz.)	
	Corn Earworm Fall Armyworm Leafhoppers Velvetbean Caterpillar	3/4 to 1.0 lb. (12 to 16 oz.)	

By Ground:
10 to 50 gals./A
of spray.

By Air: 5 to 10 gals./A
of spray.

REMARKS: Apply when eggs or insects first appear. Repeat application as necessary to maintain control. ACEPHATE 97 EG can be tank mixed with registered at-cracking and early post-emergence peanut herbicides, provided those products do not prohibit tank mixes, provided the most restrictive of label limitations and precautions are observed, and provided no label dosage rates are exceeded. To determine physical compatibility, pour the recommended proportions of each chemical with the same proportion of water as will be present in the chemical supply tank into a suitable container mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture is considered physically compatible. When mixing wettable powder or dry flowable formulations, add and disperse these first, then add liquid pesticides. Conduct another compatibility test at concentrations which will be present in the irrigation lines. If there is any separation which cannot be remixed readily, Loveland Products, Inc. recommends that the combination not be used. Combinations should be kept agitated and should be applied immediately. Do not allow combinations to set for prolonged periods in the chemical supply tank or irrigation lines.

USE PRECAUTIONS: Do not feed treated forage or hay to livestock. Do not allow animals to graze on treated areas. *Do not apply more than 4-1/8 lbs./A (4 lbs. ai) per season.

PEPPERS

BELL

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

TABLE 15. Peppers - Bell - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR	Grasshoppers	1/4 to 1/2 lb. (4 to 8 oz.)	7
	Cabbage Looper Green Peach Aphid Tobacco Hornworm	1/2 to 1.0 lb. (8 to 16 oz.)	
	European Corn Borer	3/4 to 1.0 lb. (12 to 16 oz.)	

By Ground: 25 to 150
gals./A of spray

By Air:
Minimum of 3 gals./A
of spray (minimum of
5 gals./A in CA).

REMARKS: Apply when eggs or insects first appear. Repeat as necessary to maintain insect-pest populations below economically damaging numbers.

USE PRECAUTION: *Do not apply more than 2-1/8 lbs./A (2 lbs. ai) per season.

NON-BELL

FOR USE IN MIDWESTERN, EASTERN STATES AND PUERTO RICO ONLY.

Table 16. Peppers - Non-bell - Recommendations for Use

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR	Aphids	1/2 lb. (8 oz.)	7

By Ground: 40 to 150
gals./A of spray.

REMARKS: Repeat at 7 to 10 day spray intervals as necessary.

USE PRECAUTION: *Do not apply more than 1.0 lb./A (1.0 lb. ai) per season.

ACEPHATE 97 EG **EPA REG. NO. 34704-**

SOYBEANS

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed.

Table 17.

APPLICATION METHOD	PESTS CONTROLLED	RATES OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
FOLIAR	Grasshopper Thrips	0.25 to 0.5 lb.	14
	Potato Leafhopper Stink Bugs	0.5 to 1 lb.	
By Ground: 10 to 50 gals./A of spray	Armyworms (except Beet)	0.75 to 1 lb.	
By Air: 5 to 10 gals./A of spray	Bean Leaf Beetle Cabbage Looper Green Cloverworm Mexican Bean Beetle Soybean Aphid Threecornered Alfalfa Hopper Velvetbean Caterpillar		

REMARKS: Repeat treatment as necessary to maintain control

USE PRECAUTIONS: Do not graze or cut vines for hay or forage. Do not apply more than 1.5 lbs. ai/A per season. Do not apply within 14 days of harvest

TOBACCO

TOBACCO TRANSPLANT WATER APPLICATION (EXCEPT CA)

Spray intervals for application rates of 0.5 lbs. a.i./A and less ; 3 days. Spray interval for rates greater than 0.5 lbs. a.i./A ; 7 days must be observed. Transplant-water applications should be made using mechanical transplant equipment only. Using such equipment, the insecticide/water mixture is mechanically applied directly into the soil along with the transplanted plants.

TABLE 18. Tobacco Transplant Water Application - Recommendations for Use

CROP	INSECTS	AMOUNT OF ACEPHATE 97 EG PER ACRE
Tobacco	Cutworms Flea Beetle Green Peach Aphid Potato Tuberworm Tobacco Aphid Tobacco Thrips	¾ lb. (12 oz.)

FURTHER USE INSTRUCTIONS: 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 97 EG.

Apply in a minimum of 100 gals. of transplant water per acre. ACEPHATE 97 EG should be pre-mixed in water to form a slurry solution prior to adding to the transplant water tank.

Do not apply more than ¾ lb. ACEPHATE 97 EG per acre as a transplant water application as some phytotoxicity may occur.

Do not apply more than 4-1/8 lbs./A (4 lbs. ai) per season. This includes the use of ACEPHATE 97 EG in transplant water, plant bed, soil, float bed (greenhouse), and foliar applications.

TOBACCO FOLIAR APPLICATION (EXCEPT CA)

TABLE 19. Tobacco Foliar Application - Recommendations for Use

CROP	INSECTS	AMOUNT OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
Tobacco (Flue-Cured, Air Cured, Dark Fire Cured)	Grasshoppers	¼ to ½ lb. (4 to 8 oz.)	3
	Green Peach Aphid	½ lb. (8 oz.)	
	Flea Beetle		
	Hornworm		
	Tobacco Thrips		
	Stinkbugs	½ to ¾ lb. (8 to 12 oz.)	
	Tobacco Aphid		
	Vegetable Weevils		
	Budworm	¾ lb. (12 oz.)	
	Cabbage Looper		
	Cutworm		
	Japanese Beetle		

FURTHER USE INSTRUCTIONS: 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 apply more than 4-1/8 lbs./A (4 lbs. ai) per season. This includes the use of ACEPHATE 97 EG in transplant water, plant bed, soil, float bed (greenhouse), and foliar applications.

TOBACCO PLANT BED APPLICATION (EXCEPT CA)

TABLE 20. Tobacco Plant Bed Application - Recommendations for Use

CROP	INSECTS	AMOUNT OF ACEPHATE 97 EG PER ACRE
Tobacco Bed Treatment	Cutworm Flea Beetle Green Peach Aphid Tobacco Aphid	¾ lb. (12 oz.)

TABLE 20. Tobacco Plant bed Application - Recommendations for Use cont'd:

CROP	INSECTS	AMOUNT OF ACEPHATE 97 EG PER ACRE
FURTHER USE INSTRUCTIONS: Apply to foliage at the equivalent of ¾ tbsp. in 1 gal. water per every 1,000 sq. ft. of bed. Apply evenly to insure thorough coverage. Do not apply more than 4-1/8 lbs./A (4 lbs. ai) per season. This includes the use of ACEPHATE 97 EG in transplant water, plant bed, soil, float bed (greenhouse), and foliar applications.		

TOBACCO GREENHOUSE APPLICATION (EXCEPT CA)

TABLE 21. Tobacco Greenhouse Application - Recommendations for Use

CROP	INSECTS	AMOUNT OF ACEPHATE 97 EG PER ACRE
Tobacco	Cutworm Flea Beetle Green Peach Aphid Tobacco Aphid	¾ lb. (12 oz.)

FURTHER USE INSTRUCTIONS: Apply to foliage at the equivalent of ¾ tbsp. in 3 gals. water per every 1000 sq. ft. of bed. Apply evenly to insure thorough coverage.

Note: Floatbed water should be disposed of in the transplanted field in either transplant water or foliar spray. Do not apply more than 4-1/8 lbs./A (4 lbs. ai) per season. This includes the use of ACEPHATE 97 EG in transplant water, plant bed, soil, float bed (greenhouse), and foliar applications.

TOBACCO SOIL APPLICATION (EXCEPT CA)

TABLE 22. Tobacco Soil Application - Recommendations for Use

CROP	INSECTS	AMOUNT OF ACEPHATE 97 EG PER ACRE	DAYS TO HARVEST
Tobacco	Ants (Including Imported Fire Ants and Harvester Ants)	Mound Treatment - Dranch Method: Mix ¾ oz. in 5 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.	3

FURTHER USE INSTRUCTIONS: 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. Do not apply more than 4-1/8 lbs./A (4 lbs. ai) per season. This includes the use of ACEPHATE 97 EG in transplant water, plant bed, soil, float bed (greenhouse), and foliar applications.

SMALL VOLUME SPRAY EQUIPMENT

Preparation of ACEPHATE 97 EG Spray Mix Using a Small Fluid Ounce Measuring Cup

LABEL RECOMMENDATION ACEPHATE 97 EG IN 100 GALS. OF WATER	EQUIVALENT ACEPHATE 97 EG IN 25 GALS. OF WATER	EQUIVALENT ACEPHATE 97 EG IN 1 GAL. OF WATER (TSP./GAL.)
¼ lb.	1 oz.	1/3 tsp.
½ lb.	2 oz.	2/3 tsp.
¾ lb.	3 oz.	1 tsp.
1 lb.	4 oz.	1-1/3 tsp.

NON-BEARING CITRUS

DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS.

PLANTS	INSECTS	AMOUNT OF ACEPHATE 97 EG PER ACRE	TIME OF APPLICATION
Non-bearing Citrus (including citrus nursery seedlings)	Aphids Grasshoppers Katydid Mealybugs Orangedogs Plant Bugs (Lygus) Thrips Whiteflies	½ lb. (8 oz.)	Apply as needed for control of existing populations.
	Citrus Blackfly	½ to ¾ lb. (8 to 12 oz.)	The high rate should be used when a heavy infestation of Citrus Blackfly is present. Begin applications when eggs or adults first appear. Apply on a 7 to 10 day interval or as needed to maintain control.

RECOMMENDED APPLICATION: Apply ACEPHATE 97 EG 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

ACEPHATE 97 EG **EPA REG. NO. 34704-**

NON-BEARING CITRUS cont'd.

DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS.

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER ACRE	TIME OF APPLICATION
RECOMMENDED APPLICATION cont'd. depend upon spray coverage and the amount of moisture following application. Do not allow livestock to graze treated areas. DO NOT HARVEST citrus for one year after treatment.			
Non-bearing Citrus (including citrus nursery seedlings)	Ants (Including Imported Fire Ants and Harvester Ants)	Foliar Spray ¾ lb. (12 oz.) Mound Treatment - Drench Method: Mix ¾ oz. in 5 gals. of water. Apply 1 gal. of mix to each mound until it is wet and treat a four (4) foot diameter circle around the mound.	Apply as needed for control of existing populations.

RECOMMENDED APPLICATION: Apply ACEPHATE 97 EG 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.
Do not allow livestock to graze treated areas.
DO NOT HARVEST citrus for one year after treatment.

NURSERY STOCK

NON-BEARING DECIDUOUS FRUIT TREES, NUT TREES AND VINES IN NURSERY FIELDS OR NON-BEARING ORCHARDS

DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS.

Do not apply using low pressure handwand equipment except for use as a mound treatment for control of fire ants and for use on ornamental trees, shrubs and floral plants as a non-agricultural use..

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER ACRE	TIME OF APPLICATION
Nursery Stock (Non-bearing Deciduous Fruit Trees, Nut Trees, Vines) Almond Apricot Apple Cherry Grape Kiwi Pear Pistachio Plum Prune Walnut	Aphids Plant Bugs (Lygus) Thrips	½ to 0.75 lb. (8 to 12 oz.)	Apply as needed for control of existing populations.

RECOMMENDED APPLICATION: Apply ACEPHATE 97 EG in 50 to 200 gals. of water per acre by ground and not less than 5 gals. of water per acre by air.

USE PRECAUTIONS: For application only to non-bearing trees and vines in nursery fields or in non-bearing orchards. Do not apply to interplants or single trees in a bearing orchard.
Do not harvest any fruit from sprayed trees for one-year after application.

SPECIALTY USES - NON CROP AREAS

Limit 1 lb ai/A per 100 gallons of water (not to exceed 0.75 lbs ai/A for cut flowers and 1.0 lbs ai/A for all other ornamentals).

CROP	INSECTS	AMOUNT ACEPHATE 97 EG PER ACRE
Non-Crop Areas (field borders, fencerows, roadsides, ditchbanks, and borrow pits)	Grasshoppers	¾ lb. (4 oz.)

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 by air, or in 10 to 20 gals. of water with ground equipment. Use the higher volumes when spraying heavier foliage. Do not graze or feed vegetation cut from treated areas.

Non-Crop Areas	Ants (Including Imported Fire Ants and Harvester Ants)	Mound Treatment - Drench Method: Mix ¾ oz. in 5 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.
----------------	--	---

FURTHER USE INSTRUCTIONS: 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. Grass in treated area may be injured. Do not treat mound more than once per season.

Limit 1 lb ai/A per 100 gallons of water (not to exceed 0.75 lbs ai/A for cut flowers and 1.0 lbs ai/A for all other ornamentals).

SPECIALTY USES - ORNAMENTAL TREES AND SHRUBS AND CONTAINER

GROWN ORNAMENTAL NURSERY STOCK

Do not apply using low pressure handwand equipment except for use as a mound treatment for control of fire ants and for use on ornamental trees, shrubs and floral plants as a non-agricultural use..

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER 100 GALS.	TIME OF APPLICATION
Container Grown Nursery Stock (Arborvitae Azalea Camellia Rhododendron Roses Viburnum Yew)	Black Vine Weevil Strawberry Root Weevil Ants (Including Imported Fire Ants and Harvester Ants)	¾ lb. (12 oz.) ¾ lb. (12 oz.)	Application should be made by mid- September for green- house stock and by mid October for outdoor stock. Consult your local county extension agent for information on the identification and control of root weevils on ornamentals. Apply as needed to control the pest.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG per 100 gals. of solution so as to thoroughly drench the root system.

TREES AND SHRUBS

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER 100 GALS.	TIME OF APPLICATION
Trees and Shrubs (Except Flowering Crabapple, see below)	Aphids Bagworms Birch Leafminer Lace Bugs Leafrollers Tent Caterpillars*	¾ lb. (4 oz.)	As the insects begin to appear.
	Douglas Fir Tussock Moth Larvae Gypsy Moth Larvae*	½ lb. (8 oz.)	As the insects begin to appear.
	Webworms Scales (Crawlers)	½ lb. (8 oz.)	As crawlers begin to appear. Repeat applications, at a 2 week or more interval, may be necessary where there is continuous crawler production.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer. The addition of a suitable sticker improves control of Gypsy Moth larvae.
*Mist blower application. Adjust rates to 1 lb. per 100 gals. water for Gypsy Moth control and ¾ lb. per 100 gals. water for Tent Caterpillar control. Do not apply to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar and Viburnum suspensum.
Nursery crops. Before treating large plantings, spray only a few plants and observe two weeks for phytotoxicity

Ponderosa Pine Needle Miner	½ lb. (8 oz.)	Time of application is important. Consult your Farm Advisor or County Extension Agent.
Grasshoppers	½ lb. (8 oz.)	As the grasshoppers begin to appear.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer as a full coverage spray.

California Oakworm Cankerworms (Spring and Fall)	¼ to ½ lb. (4 to 8 oz.)	As the insects begin to appear. Use the higher amount when the larvae are present.
Nantucket Pine Tip Moth Larvae	¾ lb. (12 oz.)	Time of application is important. Consult your Farm Advisor or County Extension Agent. Repeat applications will be required for subsequent generations.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. of water with a hydraulic sprayer.

Root Weevil Adults	¾ lb. (12 oz.)	Apply when first feeding damage occurs. Repeat applications, at four week intervals until the first heavy frost, may be necessary for complete foliage protection.
Box Elder Bugs Budworms Leafhoppers Sawflies	¾ lb. (12 oz.)	As the insects begin to appear.
Japanese Beetle	0.75 lb. (12 oz.)	As the Japanese Beetles begin to appear. Repeat applications, at 2 week intervals, may be necessary.

ACEPHATE 97 EG **EPA REG. NO. 34704-**

TREES AND SHRUBS cont'd:

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER 100 GALS.	TIME OF APPLICATION
	RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer as a full coverage spray.		
	Elm Leaf Beetle (larvae)	1 lb. (16 oz.)	As the larvae begin to appear. ACEPHATE 97 EG will not prevent Elm Leaf Beetle eggs from hatching.
	RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer as full coverage spray.		
Douglas Fir (Christmas Trees)	Douglas Fir Needle Midge	½ lb. (8 oz.) (½ lb. per acre)	Application should be made no more than 2 weeks prior to bud burst. For additional pest management information, consult your County Extension Service.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in not less than 2 gals. of spray per acre by air or in 100 gals. of spray per acre by ground.

Flowering Crabapples	Aphids Leafrollers Tent Caterpillars	¼ lb. (4 oz.)	As the insects begin to appear.
----------------------	--	---------------	---------------------------------

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer. Do not apply more often than 3 times in a growing season at a 4 week interval. **Caution:** Phytotoxicity has occurred on the following Crabapple varieties: Hopa, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine and Snow Cloud.

Crape Myrtle	Aphids	2 to 3 level Tbsp. (0.6 to 0.9 oz.) per 1 Tbsp. of water.	As aphids begin to appear.
--------------	--------	---	----------------------------

RECOMMENDED APPLICATION: Make a paint-on slurry by mixing the specified amount of ACEPHATE 97EG with 1 tbsp. of water. Remove the loose bark from the trunk areas to be treated. Completely paint a band around each trunk to a width twice its diameter. Application should be made to trunks within a zone 6 to 12 inches above the ground and below the point where branching begins. For multi-trunk plants be certain to treat all trunks. For either single or multi-trunk plants, application should be made as low as possible within the recommended treatment zone.

GOLF COURSE AND SOD FARM TURFGRASS -

GOLF COURSE AND SOD FARM TURFGRASS RESTRICTIONS

DO NOW ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK.

Maximum Application Rates: Limit 3 lbs. ai/A for Sod Farms. Limit 4 lbs. ai/A for Golf Course. *Do not exceed Maximum Application Rate according to use site. Observe a 3 day pre-harvest interval (PHI) for harvesting sod.

Use limited to sod farms and golf courses, except when applying by mound or spot treatment for fire ant and harvester ant control. Aerial applications to turf are prohibited.

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER 1000 SQ. FT.	TIME OF APPLICATION
Golf Course and Sod Farm Turfgrass	Fall Armyworm Yellow Striped Armyworm Southern Armyworm	0.4 to 0.9 oz. (1 to 2-1/2 lbs. per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.
	Cutworm	0.9 to 1.8 oz. (2-1/2 to 4* lbs. per acre)	
	RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG per 1000 sq. ft. Use a minimum of 5 gals. water per 1000 sq. ft. to obtain good coverage.		
	Chinch Bugs	0.9 to 1.8 oz. (2-1/2 to 4* lbs. per acre)	Apply as needed for adult population knockdown (10 to 14 days).
	Fleas	0.9 to 1.8 oz. (2-1/2 to 4* lbs. per acre)	Apply as needed for knockdown (7 to 10 days) only of existing adult populations.
	Sod Webworm (<i>Crambus</i> spp.)	0.4 to 0.8 oz. (1 to 2 lbs. per acre)	As sod webworms begin to appear. Use the higher amount when quick knockdown is needed or with heavy infestations. Repeat application may be necessary. Do not repeat at more than 1 week intervals.
	Leafhopper	¾ oz. (2 lbs. per acre)	As the leafhoppers begin to appear. A repeat application at 1 week intervals may be necessary.

GOLF COURSE AND SOD FARM TURFGRASS cont'd:

DO NOW ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK.

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER 1000 SQ. FT.	TIME OF APPLICATION
	RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage.		
	Mole Crickets (Except CA) Spittlebug (Except CA)	0.8 to 1.4 oz. (2 to 3.9* lbs. per acre)	As mole crickets begin to appear. For knockdown of existing populations, more than one application may be required throughout the growing season. For heavy infestations, use the higher dosage rate.
	RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG per 1000 sq. ft. Use 1 to 15 gals. water per 1000 sq. ft. to obtain good coverage. Apply during late afternoon or early evening hours and after an irrigation. Do not irrigate after application. The use of a lemon fragrance substance in the spray mix may enhance control by acting as a flushing agent and thus provide increased mole cricket contact with the ACEPHATE 97 EG. The following lemon-scented products have been shown to be effective flushing agents: Lemon Joy, Lemon Palmolive, and Mighty Myrt Products Manufacture-Base Pure Lemon Fragrance. The use rate for these lemon-scented products is 2 tsp. per gallon of water for small total mix volumes or 6 fl. oz. per 50 gals. of water for large total mix volumes.		
	Greenbug (Schizaphis graminum) Grasshoppers	0.4 oz. (1.0 lb. per acre)	Apply when insects or their damage first appears. Repeat as necessary. Application is not to be repeated at more than 1 week intervals.
	RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG. Use 4 gals. of water per 1000 sq. ft. to obtain good coverage. Do not mow turfgrass for at least 24 hours after application.		
	Black Turfgrass Aeneus (Except CA)	0.8 to 1.4 oz. (3.1 to 3.9* lbs. per acre)	Apply when insects or their damage first appear.
	RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG per 1000 sq. ft. Use a minimum of 5 gallons of water per 1000 sq. ft. Irrigate lightly after application (not more than ½ inch.) Use the higher rate for severe infestations.		
Dichondra (Plant Site For Golf Course and Sod Farm Turfgrass)	Cutworm Flea Beetle Armyworm Southern Yellow Stripped	0.8 to 1.4 oz. (2 to 3.9* lbs. per acre)	As the insects appear. Repeat at 2 week intervals as necessary.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG per 1000 sq. ft. Use a minimum of 15 gals. of water per 1000 sq. ft. to obtain good coverage.

MOUND TREATMENT OF FIRE ANTS AND HARVESTER ANTS IN TURFGRASS DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS, DO NOT FEED TREATED GRASS TO LIVESTOCK.

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG	TIME OF APPLICATION
Turfgrass	Imported Fire Ants and Harvester Ants	Mound Treatment-Drench Method: Mix ¾ oz. in 5 gals. water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.	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.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG as directed. Grass in treated areas may be injured. Do not treat mound more than once per season.

OUTDOOR AND PERIMETER SPRAY

LOCATION	INSECTS	AMOUNT ACEPHATE 97 EG PER GALLON	TIME OF APPLICATION
Outdoor and Perimeter Area	Wasps	1.2 oz.	Treat early or late in the day, as wasps are generally less active during these times.
	RECOMMENDED APPLICATION: Apply specified amount of ACEPHATE 97 EG per each gallon of water used. Apply as a spot treatment to the nest, nest entrance, and surrounding areas where the wasps alight.		

ACEPHATE 97 EG
EPA REG. NO. 34704-

OUTDOOR AND PERIMETER SPRAY cont'd.:

LOCATION	INSECTS	AMOUNT ACEPHATE 97 EG PER GALLON	TIME OF APPLICATION
Outdoor and Perimeter Area	Ants (Including Imported Fire Ants and Harvester Ants) Crickets Cockroaches Earwigs Pillbugs	1.2 oz.	As the insects appear.
RECOMMENDED APPLICATION: Apply specified amount of ACEPHATE 97 EG per each gallon of water used. Apply to a band of soil 6 to 10 feet adjacent to the structure and to a height of 2 to 3 feet on the foundation where pests may be active or may find entrance. Also apply as a residual spray or with a paint brush to surfaces of buildings, window frames, shutters, entryways, screens, eaves, patios, garages, carports, around garage areas and other areas where these pests congregate.			

Note: Not for use on residential turf grass.

OUTDOOR FLORAL CROPS AND GROUND COVERS

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER 100 GALS.	TIME OF APPLICATION
Chrysanthemums Dahlias Daisies Easter Lily Gladioli Gypsophilla Pachysandra Pansy Peony Roses Sedum Statice Strawflower Yarrow Zinnia	Aphids Thrips Lygus	½ lb. (8 oz.)	As insects begin to appear. Repeat applications may be necessary.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer as a full coverage spray. Multiple applications may cause slight tip burn or marginal leaf necrosis on some varieties. Test on a few plants to determine varietal susceptibility.

Boston Ivy Japanese Roses	Japanese Beetle	(12 oz.) 0.75 lb.	As the Beetles begin to appear. Repeat applications at 2 week intervals may be necessary.
---------------------------------	-----------------	-------------------	--

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer as a full coverage spray. Multiple applications may cause slight tip burn or marginal leaf necrosis on some varieties. Test on a few plants to determine varietal susceptibility.

GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER 100 GALS.	TIME OF APPLICATION
Roses	Leafrollers	½ to ¾ lb. (8 to 12 oz.)	As leafrollers begin to appear. Use the higher amount when the large larvae are present.
RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer as a full coverage spray.			
Foliage Plants, Anthuriums Cacti Orchids Poinsettia	Aphids Mealybugs Thrips Whiteflies	½ lb. (8 oz.) ½ lb. (8 oz.)	As aphids begin to appear. As the insects begin to appear. A repeat application, at a 2 week interval, may be necessary for control of mealybugs and whiteflies.
	Scales (Crawlers)	½ lb. (8 oz.)	As crawlers begin to appear. Repeat applications, at a 2 or more interval, may be necessary where there is continuous crawler production.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer as a full coverage spray. The addition of a wetting agent may be required on difficult to wet foliage. Caution: Phytotoxicity has occurred on the following foliage plants: Bletchum gibbum, Cissus antarctica, Ficus

GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS cont'd.:

PLANTS	INSECTS	AMOUNT ACEPHATE 97 EG PER 100 GALS.	TIME OF APPLICATION
RECOMMENDED APPLICATION cont'd.: triangularis, Fittoria verschoffii, Maranta leuconeura karchovoeana, Pachystachya lutea, Plectranthus australis, Polypodium aureus, Polystichum, Pteris ensiformis, Tolmilla menziesii. Before treating large plantings spray only a few plants and observe two weeks for varietal phytotoxicity. Application of ACEPHATE 97 EG on Poinsettias after bract formation may result in phytotoxicity on certain varieties.			
Sweet Potato Whiteflies (Except CA)		¼ lb. (4 oz.) plus TAME® 2.4 EC Spray 10-2/3 fl.oz. (0.2 lb. ai)	Apply when insects first appear. If a population is well established, make one application of the tank mix and follow 5 to 7 days later with TAME alone at 16 fl. oz./100 gals. See TAME label for instructions.
RECOMMENDED APPLICATION: For sweet potato whitefly control, apply the specified amount of ACEPHATE 97 EG plus TAME 2.4 EC Spray as a tank mix at a volume necessary to obtain good coverage. Follow the TAME label for specific instructions on the alternation of TAME plus ACEPHATE 97 EG and TAME alone and the rotation instructions to avoid potential resistance.			
Carnations Chrysanthemums Roses	Aphids Thrips	½ lb. (8 oz.)	As aphids begin to appear. As thrips begin to appear or at the tight flower bud stage. Repeat applications may be necessary.

RECOMMENDED APPLICATION: Apply the specified amount of ACEPHATE 97 EG in 100 gals. water with a hydraulic sprayer as a full coverage spray. Do not apply more often than every 28 days to Carnations and Chrysanthemums. Caution: Phytotoxicity has occurred on the following Chrysanthemum varieties: Albatross, Bonnie Jean, Dixie, Garland, Gem, Iceberg, Pride, Showoff, Statesman, Tally Ho, Westward Ho, and Wild Honey. Before treating large Chrysanthemum plantings, spray only a few plants and observe two weeks for varietal phytotoxicity. Do not apply to Chrysanthemums and Roses with open flowers.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

NOTE: This product is sold by weight and package is full when packed and is inclined to settle.

WARRANTY DISCLAIMER AND NOTICE

THE DIRECTIONS FOR USE OF THIS PRODUCT ARE BELIEVED TO BE ADEQUATE AND SHOULD BE FOLLOWED CAREFULLY. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT DUE TO SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OR ABSENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER.

THE PRODUCTS SOLD TO YOU ARE FURNISHED "AS IS" BY LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER, AND ARE SUBJECT ONLY TO THE MANUFACTURER'S WARRANTIES, IF ANY, WHICH APPEAR ON THE LABELS TO THE PRODUCTS SOLD TO YOU. EXCEPT AS EXPRESSLY PROVIDED HEREIN, LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD OR USE OF THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. EXCEPT AS EXPRESSLY STATED HEREIN, LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER MAKES NO WARRANTY OF RESULTS TO BE OBTAINED BY USE OF THE PRODUCT. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND LOVELAND PRODUCTS, INC.'S, THE MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE LIMITED TO DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT. NO AGENT OR EMPLOYEE OF LOVELAND PRODUCTS, INC. OR SELLER IS AUTHORIZED TO AMEND THE TERMS OF THIS WARRANTY DISCLAIMER OR THE PRODUCT'S LABEL OR TO MAKE A REPRESENTATION OR RECOMMENDATION DIFFERENT FROM OR INCONSISTENT WITH THE LABEL OF THIS PRODUCT.

IN NO EVENT SHALL LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES AND THE BUYER AND USER WAIVE ANY RIGHT THEY MAY HAVE TO SUCH DAMAGES.

AMMO® - Reg. TM of FMC Corporation
 ASANA® - Reg. TM of E.I. duPont de Nemours & Co.
 BAYTHROID® - Reg. TM of Bayer
 CAPTURE® - Reg. TM of FMC Corporation
 DANITOL® - Reg. TM of Sumitomo Chemical Company Ltd.
 KARATE® - Reg. TM of Syngenta Group Company
 LORSBAN® - Reg. TM of Dow AgroSciences LLC
 PAYLOAD® - Reg. TM of Valent U.S.A. Corporation
 SCOUT X-TRA® - Reg. TM of Bayer Crop Science
 TAME® - Reg. TM of Valent U.S.A. Corporation

FORMULATED FOR



P.O. BOX 1288, GREELEY, COLORADO 80632-1288