

U.S. ENVIRONMENTAL PROTECTION  
AGENCYOffice of Pesticide Programs  
Registration Division (7505P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg. Number:

79676-61

Date of Issuance:

AUG 22 2007

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

Acephate E-AG 90 EG  
Insecticide

Name and Address of Registrant (include ZIP Code):

Etigra  
501 Cascade Pointe Lane  
Cary, NC 27513

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.

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.

This product is registered in accordance with FIFRA sec. 3(c)(5) provided that you make the following label corrections and submit one copy of the revised finished printed label incorporating these corrections before the product is released for shipment:

1. Add the designation EPA Reg. No. 79676-61.
2. Revise the text on page two ("In addition, all mixers and loaders and applicators using \_\_\_") to read as follows: "In addition, all mixers and loaders and all applicators using \_\_\_."
3. Revise the text in the second bullet of the User Safety Recommendations box ("Remove clothing immediately \_\_\_") to read as follows: "Remove clothing/PPE immediately \_\_\_."
4. Clarify the last sentence of the Mixing Procedure paragraph on page 3 ("To clean the file, drain the spray tank \_\_\_") to read somewhat as follows: "If a film has built up, drain the spray tank and clean \_\_\_."
5. Correct the preharvest interval for cole crops from 21 days to 14 days (page 5).
6. Add a spray interval of 7-10 days for all the listed non-bearing citrus pests (page 12) with the exception of the ant mound treatment as it appears on your source product label for the use.

Signature of Approving Official:

Date:

AUG 22 2007

7. Correct the restriction in the non-bearing citrus application instructions on page 12 (Do not exceed specified rate in lbs. per acre.) by replacing "lbs." with "oz." since the specified rates are in ounces.

8. Correct the language in the statement on the top of page 17 ("Do not apply to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar and Viburnum suspensum.") from mandatory to advisory. Refer to PR Notice 2000-5 for guidance in revising your advisory statements. For example: The sentence would then be revised to read something like "Application to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar and Viburnum suspensum may result in flower damage." or "Etigra does not recommend that application be made to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar and Viburnum suspensum."

9. Correct the heading in the Outdoor Floral Crops and Ground Covers table on page 21 ("Amount of Acephate E-AG 90 EG Insecticide per 100 Gallons") to read as follows: "Amount of Acephate E-AG 90 EG Insecticide per acre per 100 Gallons".

10. Correct the heading "Greenhouse Floral and Foliage Plant Crops" (page 22) to read as follows: "Commercial Greenhouse Floral and Foliage Plant Crops."

11. Correct the warranty and disclaimer section (page 23) as cited below to avoid misleading and/or overly broad statements. Refer to the Agency document entitled Guidance on Warranty Statements dated October 17, 2006. This document is located on the Agency's website at <http://www.epa.gov/pesticides/regulating/labels/warranty.pdf>.

~~Add the phrase, "to the extent consistent with applicable law" to the beginning of the last sentence of the third paragraph and the second sentence of the fourth paragraph. Some states or localities may not allow certain disclaimers of liability or damages; therefore, the user/buyer may have a remedy under other law governing warranties.~~

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

*Marilyn A. Mautz*

Marilyn A. Mautz

Biologist

Insecticide-Rodenticide Branch  
Registration Division (7504P)

3 8 26

# Acephate E-AG 90 EG Insecticide

Agricultural & Fire Ant Insecticide

ACTIVE INGREDIENT: Acephate (O,S-Dimethyl acetylphosphoramidothioate)	BY WT. 90.0%
OTHER INGREDIENTS:	10.0%
	TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

## CAUTION

FIRST AID	
Contains an organophosphate that inhibits cholinesterase.	
If swallowed:	<ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
If in eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If on skin or clothing:	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If inhaled:	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN:</b> Acephate is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be used in conjunction with atropine but should not be used alone.	

### 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 to come into contact with treated areas until sprays have dried.

EPA Reg. No. 79676-

EPA Est. No.

Manufactured for:  
Etigra™  
501 Cascade Pointe Lane, Suite 103  
Cary, NC 27513  
[www.etigra.com](http://www.etigra.com)

Acephate E-AG 90 EG Insecticide contains  
acephate, the active ingredient used in  
Orthene®.

Net Weight:

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
AUG 22 2007  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
As amended, for the pesticide  
Registered under EPA Reg. No.  
79676-61

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below. 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 made of any waterproof material such as polyethylene or polyvinyl chloride for all mixers and loaders, and for applicators using hand-held application equipment

**In addition, all mixers and loaders and 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.

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:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

**ENGINEERING CONTROLS STATEMENT**

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

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.**

**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 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.~~

Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

**DIRECTIONS FOR USE**

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

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

**AGRICULTURAL USE REQUIREMENTS**

Use 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 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 until 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
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

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

**CHEMIGATION STATEMENT**

Applications to cranberries may be made using sprinkler irrigation systems. Do not apply by chemigation to any other crop, or to cranberries using any other type of irrigation system.

**TANK MIXES**

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

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

**SPRAY DRIFT**

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.

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, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

**For Ground Boom Application:** 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 fine, medium, or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.

**For Air Blast 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 fine, 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.

**MIXING PROCEDURES**

- (1) Use a clean spray tank which is free of contaminants that may cause injury to crops or may clog nozzles.
- (2) Add clean water to about one-fourth full.
- (3) Begin agitation and check frequently to ensure that the agitator is working properly.
- (4) Add the proper amount of Acephate E-AG 90 EG Insecticide into the tank.
- (5) Fill the spray tank with clean water until almost full; continue the agitation.
- (6) If other products are included as tank-mix partners, add them in the following order:
  - Emulsifiable oil
  - Oil concentrate
  - herbicides
- (7) Finish filling the tank with clean water.
- (8) During application, use as much of the spray solution as possible. This action prevents the buildup of oil or emulsifiable concentrate residue. Maintain agitation during application to avoid separation of materials.
- (9) As soon after application as possible, clean the spray tank using water-detergent mixture. Examine the spray tank to see if an oil or emulsifiable concentrate film has built up in the tank. To clean the file, drain the spray tank and clean with a strong detergent solution or solvent.

**GENERAL INFORMATION**

Acephate E-AG 90 EG Insecticide is an insecticide that controls pests on selected agricultural crops and in certain non-crop areas. The active ingredient in Acephate E-AG 90 EG Insecticide, acephate, is water-soluble and is readily absorbed by plant roots and foliage. Acephate is systemic within the plant and can control feeding insects most effective if insect pests ingest the product rather than by contact. Repeat applications of Acephate E-AG 90 EG Insecticide to maintain control may be made only as directed.

**FAILURE TO FOLLOW THE DIRECTION FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, AND/OR ILLEGAL RESIDUES.**

**NOTE:** This product is sold by weight and package is full when packed, but settling of the product may occur.

### GENERAL USE RESTRICTIONS

- For use on turf, use is limited to sod farms and golf courses, except when applying to mound or spot treatments for fire ant and harvester ant control.
- Not for indoor residential use. For greenhouse use, use is limited to commercial greenhouses for use on tobacco (floatbed), ornamental, floral, and foliage plants.
- Do not use low pressure hand wand application equipment except when applying as a fire ant mound treatment or on ornamental trees, shrubs, and floral plants when grown for non-commercial use.

### BEANS AND LIMA BEANS – Dry and Succulent Forms

#### Restrictions:

- Do not apply more than 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
- Do not feed treated vines to livestock.
- Preharvest Interval: 1 day (between application and harvest) for lima beans (succulent form) and 14 days (between application and harvest) for snap-beans (succulent or dry beans).

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Fleahoppers Grasshoppers	4.4 to 8.9 oz.	Apply in a minimum of 2 gals. spray solution per acre by air or 20-100 gals. spray solution per acre by ground.
Aphids (excluding Black bean Aphid) Bean Leaf Beetle Bean Leafroller Cabbage Looper Cutworms Green Cloverworm Leafhoppers Mexican Bean Beetle Plant Bugs (Lygus) Soybean Looper Thrips Whitefly (Except Sweetpotato/Silverleaf Whitefly)	8.9 oz. to 1.1 lbs.	Begin applications when eggs or insects are first detected.  Use the higher rates for severe pest infestations.  <b>Repeat applications</b> (do not apply more than 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle): =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre).
Armyworms (excluding Beet Armyworm) Corn Earworm European Corn Borer	13.3 oz. to 1.1 lbs.	

### CELERY

#### Restrictions:

- Trim all celery (tops removed) before shipment for use.
- Do not use trimmed (tops) for food or feed.
- Do not apply more than 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
- Preharvest Interval: 21 days (between application and harvest).

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Green Peach Aphid	4.4 oz. to 1.1 lbs.	Apply in 50 to 100 gals. spray solution per acre by ground or in a minimum of 5 gals spray solution per acre by air.
Fall Armyworms Cabbage Looper	1.1 lbs.	Begin applications when eggs or insects are first detected.  <b>Repeat applications</b> (do not apply more than 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle): =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre).

**COLE CROPS**  
(Brussels Sprouts and Cauliflower)

**Restrictions:**

- Do not apply more than 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
- Do not feed trimmings to livestock or allow animals to graze in treated areas.
- Preharvest Interval: 21 days (between application and harvest).

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Green Peach Aphid Cabbage Looper Diamondback Moth Larvae Imported Cabbage Worm	8.9 oz. to 1.1 lbs. 1.1 lbs.	<p>Apply in 25 to 150 gals. spray solution per acre by ground or in a minimum of 5 gals. spray solution per acre by air.</p> <p>Begin applications when eggs or insects are first detected.</p> <p>Use the higher rates for severe aphid infestations.</p> <p><b>Repeat applications</b> (do not apply more than 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle):            =&gt;3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less);            =&gt;7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre).</p> <p><b>Diamondback Moth Larvae:</b> 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.</p>

**COTTON****GENERAL USE PRECAUTIONS FOR ALL COTTON USES:**

- Do not feed treated forage or gin trash to livestock.
- Do not allow animals to graze on treated areas.
- For aerial application on cotton, do not apply more than 1.0 lb. a.i./acre in California and Arizona, and 0.75 lb. a.i./acre for all other areas of the U.S.
- Do not apply more than 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle. This limitation includes all methods of application; i.e. in-furrow, and foliar.

**COTTON IN-FURROW APPLICATION**

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Aphids* Thrips (including Western Flower Thrips) Black (Greasy) Cutworm (Except CA)  * Excluding Cotton Aphids in AZ & CA	8.9 oz. to 1.1 lbs.  NOTE: for the Blacklands of Texas use 1.1 lbs. per acre Acephate E-AG 90 EG Insecticide.	Apply Acephate E-AG 90 EG Insecticide in 3 to 5 gals. of water per acre as an in-furrow spray. Acephate E-AG 90 EG Insecticide can be tank-mixed with fungicides that are sprayed in-furrow for disease control. Set flat-fan nozzles used for in-furrow application so that the fanned spray pattern is aligned with the row to insure good spray deposition in the seed furrow. Avoid cone type nozzles as these nozzles may not provide a spray pattern that insures maximum spray deposition in the seed furrow. For spray systems that employ metal or plastic tubing for delivery of spray solution into the seed furrow, ensure that the tubing is securely fastened to the furrow opener. Check frequently to insure that the tubing is properly positioned to deposit spray solution into the seed furrow.



## COTTON FOLIAR APPLICATION

## Restrictions:

- Preharvest Interval: 21 days (between application and harvest).

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE		APPLICATION INSTRUCTIONS
	Ground	Air	
Thrips (including Western Flower Thrips)	2.5 to 3.3 oz.	2.5 to 3.3 oz.	Apply Acephate E-AG 90 EG Insecticide in 3 to 10 gals. spray solution per acre by air (a minimum of 5 gals per acre in CA and AZ) or 10-25 gals. spray solution per acre by ground.
Plant Bugs (Lygus)	4.4 oz. to 1.1 lbs. (East of Rockies)  13.3 oz. to 1.1 lbs. (CA & AZ)	4.4 oz. to 13.3 oz. (East of Rockies)  13.3 oz. to 1.1 lbs. (CA & AZ)	Begin applications when eggs or insects are first detected.  <b>Repeat applications</b> (do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle): =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre).
Fleahopper	4.4 oz.	4.4 oz.	
Cotton Aphid (excluding AZ and CA)	8.9 oz. to 1.1 lbs.	8.9 oz. to 13.3 oz.	<b>Lygus:</b> Use higher rates for lygus adults that have migrated into cotton.
Whitefly (excluding Sweetpotato /Silverleaf Whitefly)	8.9 oz. to 1.1 lbs.	8.9 oz. to 13.3 oz. (East of Rockies)  8.9 oz. to 1.1 lbs. (CA & AZ)	<b>Cotton Aphid:</b> This insect may develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current control recommendations. <b>Armyworms &amp; Cabbage Looper:</b> Apply when eggs appear. Do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
Armyworms (excluding Beet Armyworm) Cabbage Looper	1.1 lbs.	13.3 oz. (East of Rockies)  1.1 lbs. (CA & AZ)	<b>Bollworm and Tobacco Budworm</b> – Early season light infestation: 8.9 oz. per acre. Mid and late season moderate to severe infestations: 13.3 oz. to 1.1 lbs. per acre. Apply when eggs appear. Do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle. <b>Adult/Larvae:</b> Moths are controlled when they come in direct contact with spray particles during application. Moth kill will be most successful when application is made late in the evenings when moths are most active.
Bollworm Tobacco Budworm Adults Larvae Eggs (DEADHATCH)	8.9 oz. to 1.1 lbs. (East of Rockies) 1.1 lbs. (CA & AZ)	8.9 oz. to 13.3 oz. (East of Rockies) 1.1 lbs. (CA & AZ)	<b>DEADHATCH:</b> Control of emerging larvae by consumption of treated egg casings. <b>Pink Bollworm:</b> Apply when insects appear. Do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
Stinkbugs	13.3 oz.	13.3 oz.	
Pink Bollworm (AZ & CA)	1.1 lbs.	1.1 lbs.	
Cutworms	13.3 oz.	13.3 oz.	<b>Cutworms:</b> Ground application is recommended although aerial applications may be used but may be less effective. Control is most effective when ground application is made in the evenings. Direct the sprays toward the base and lower portion of plant. Apply when insects first appear or damage is first noted. <b>Repeat applications</b> (do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle): =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre).

# COTTON TANK MIXES

## GENERAL USE PRECAUTIONS TO FOLLOW WITH ALL TANK MIX PARTNERS:

- Do not feed gin trash or treated forage to livestock. Do not allow livestock to graze on treated areas.
- Do not apply more than 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle. This limitation includes all methods of application; i.e. in-furrow, and foliar.

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.

## RESISTANCE MANAGEMENT

Use properly designed resistance-management strategies to control cotton pests, especially for control of Sweetpotato/Silverleaf Whitefly populations. These strategies include options such as a mixture or rotation of alternative classes of chemistry such as organo-phosphates, carbamates, pyrethroids or insect growth regulators. Consult your state or area agricultural extension service for local resistance management strategies and advice on alternative insecticides.

### Restrictions:

- Preharvest Interval: 21 days (between application and harvest).
- Do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE + TANK MIX PARTNER PER ACRE	APPLICATION INSTRUCTIONS
Sweetpotato /Silverleaf Whitefly	8.9 oz. Acephate E-AG 90 EG Insecticide + 10 <sup>2</sup> / <sub>3</sub> to 16 fl. oz. DANITOL® 2.4 EC	Apply Acephate E-AG 90 EG Insecticide in 3 to 10 gals. spray solution per acre by air (a minimum of 5 gals spray solution per acre in CA) or 10-25 gals. spray solution per acre by ground.  Comply with all applicable directions, restrictions, and precautions on the EPA registered label for DANITOL® 2.4 EC Spray.  Apply when insects first appear or when damage is first noted.  <b>Repeat applications</b> (do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle): =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less).
Amyworms (excluding Beet Armyworm) Bollworms Cabbage Looper Cotton Aphid Cutworms* Fleahopper Grasshoppers Pink Bollworm Plant Bugs (Lygus, Mirids) Salt Marsh Caterpillar Thrips (including Western Flower Thrips) Tobacco Budworm Whitefly (excluding Sweetpotato/Silverleaf Whitefly)	<b>Ground Application:</b> 4.4 oz. to 1.1 lbs. Acephate E-AG 90-EG Insecticide + 1 to 2 pts. CHLORPYRIFOS 4E  <b>Aerial Application:</b> 4.4 to 13.3 oz. Acephate E-AG 90 EG Insecticide + 1 to 2 pts CHLORPYRIFOS 4E (East of the Rockies)  4.4 oz. to 1.1 lbs. Acephate E-AG 90 EG Insecticide + 1 to 2 pts. CHLORPYRIFOS 4E (CA & AZ)	Comply with all applicable directions, restrictions, and precautions on the EPA registered label for CHLORPYRIFOS 4E-4-E. <b>*Cutworms:</b> Use 13.3 oz. per acre of Acephate E-AG 90 EG Insecticide. <b>By Ground:</b> Ground application is recommended. Apply in 10-25 gals. of spray solution per acre. Control is most effective when ground application is made in the evenings. Direct sprays toward the base and lower portion of plant. <b>By Air:</b> Aerial applications are less effective, but may be used. Apply in 3 to 10 gals. Spray solution per acre (a minimum of 5 gals spray per acre in CA). Apply when insects first appear or when damage is first noted. <b>Repeat applications</b> (do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle): =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre).

**COTTON TANK MIXES WITH PYRETHROIDS**

Use synthetic pyrethroids following the guidelines of state and/or regional resistance management programs and recommendations.

**Restrictions:**

- Preharvest Interval: 21 days (between application and harvest) when using Cypermethrin 2.5EC, Asana XL, Baythroid 2EC, Bifenthrin 2EC, Karate 1EC, and Silencer
- Preharvest Interval: 28 days (between application and harvest) when using Scout X-Tra.
- Do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.

INSECTS	ACEPHATE E-AG 90 EG INSECTICIDE AND TANK MIX PARTNER	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE + TANK MIX PARTNER PER ACRE		APPLICATION INSTRUCTIONS
		Ground	Air	
Aphids Bollworm Cabbage Looper Cotton Leaf Perforator Cutworms Fall Armyworm Fleahoppers Pink Bollworm (AZ & CA) Plantbugs Stinkbugs Sweetpotato/Silverleaf Whitefly Thrips (including Western Flower Thrips) Tobacco Budworm Whitefly	Acephate E-AG 90 EG Insecticide + one of the following	8.9 to 13.3 oz. per acre + one of the following	8.9 to 13.3 oz. per acre (East of the Rockies) 8.9 oz. to 1.1 lbs. per acre (CA & AZ) + one of the following	Apply Acephate E-AG 90 EG Insecticide in 3 to 10 gals. Spray solution per acre by air (a minimum of 5 gals per acre in CA) or 10-25 gals. spray solution per acre by ground. Begin applications when eggs or insects appear.  <b>Repeat applications</b> (do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle): =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre).  <b>By Ground:</b> Ground application is recommended. For optimum control, make applications in the evenings. Direct sprays toward the base and lower portion of plant. <b>By Air:</b> Aerial applications are less effective, but may be used. Apply when eggs or insects first appear or damage is first noted.
		For Cutworms and Stinkbugs use 13.3 oz. per acre of ACEPHATE 90% PRILLS + one of the following		
	CYPER-METHRIN 2.5 EC	Refer to the CYPERMETHRIN 2.5 EC approved label for use instructions.		
	ASANA® XL	Refer to the ASANA® XL approved label for use instructions.		
	BAYTHROID® 2 EC	Refer to the BAYTHROID® 2 EC approved label for use instructions.		
	BIFENTHRIN 2 EC	Refer to the BIFENTHRIN 2-EC approved label for use instructions.		
	KARATE® 1 EC or Silencer™ (Except CA)	Refer to the KARATE 1 EC or Silencer approved label for use instructions.		
	SCOUT® X-TRA** (Except CA)	Refer to the SCOUT X-TRA approved label for use instructions.		

# CRANBERRIES

## Restrictions:

- Do not make more than one application per growing season.
- Do not apply from start of bloom until all berries set.
- Preharvest Interval: 90 days (between application and harvest).

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Cranberry Blossom Worm Gypsy Moth False Armyworm Fireworms Spanworms Sparganothis	1.1 lbs.	Apply by air, ground or with sprinkler irrigation systems. Apply in a minimum of 2 gals. spray solution per acre by air. Use a sufficient amount of water to ensure a thorough coverage with ground or sprinkler equipment.

**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 supplies are in place.

A person knowledgeable of the chemigation system and responsible for its operation should 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 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 Systems:** 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 insure 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 below.

**Center Pivot Systems:** Inject the specified dosage per acre continuously for one complete revolution of the system. See NOTE below.

**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 angle 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.

**HEAD LETTUCE – Crisphead type only****Restrictions:**

- Do not apply after first head begins to form to crops that germinate from mid-September through November in desert areas of AZ and CA.
- Do not feed trimmings to livestock or allow animals to graze on treated areas.
- Do not apply more than 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
- Preharvest Interval: 21 days (between application and harvest). Make applications to spring, summer, and early fall crops in all areas, to winter crops in Florida and Texas, to late fall crops in Arizona, and to winter crops in Arizona and California

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Aster Leafhopper Green Peach Aphid	8.9 oz. to 1.1 lbs.	Apply Acephate E-AG 90 EG Insecticide in 5 to 10 gals. of spray solution per acre by air or 10-60 gals. of spray solution per acre (broadcast) by ground.
Cabbage Looper Armyworms (excluding Beet Armyworm)	1.1 lbs.	<b>Repeat applications</b> (do not exceed maximum application rate of 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle): =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre).

**MINT****Spearmint and Peppermint****Restrictions:**

- Do not use spent mint hay for feed for dairy animals.
- Do not graze treated areas.
- Do not apply more than 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
- Preharvest Interval: 14 days (between application and harvest)

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Alfalfa Looper Aphids Cutworms Strawberry Root-Weevil Adult Black Vine Weevil Adult	1.1 lbs. (17.7 oz.)	Apply Acephate E-AG 90 EG Insecticide in 5 to 10 gals. spray solution per acre by air or 20 to 100 gals. spray solution per acre by ground. Apply when eggs or insects first appear. Make one repeat application at a 10 to 14 day interval, if necessary, to maintain control but do not exceed maximum application rate of 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle. <b>Strawberry Root and Black Vine Weevil:</b> For control, apply Acephate E-AG 90 EG Insecticide in a minimum of 40 gals. spray solution per acre by ground. Thorough coverage of foliage and canopy with spray solution is required for insect control. When dense or tall canopies are present, increase the spray volume and pressure to ensure thorough coverage. Apply after adult emergence is complete but prior to egg laying. Make applications in the early evening or during the night.

# NON-BEARING CITRUS

## Restrictions:

- Do not graze treated areas.
- Do not harvest citrus for one year after treatment.
- Use as a mound treatment only; only for use on fire ants and harvester ants.

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Aphids Grasshoppers Katydid Mealybugs Orangedogs Plant Bugs Thrips Whiteflies (except Sweetpotato/ Silverleaf Whitefly)	8.9 oz.	Apply Acephate E-AG 90 EG Insecticide in 100 to 200 gals. of water per acre by ground application. Spray individual juvenile or non-bearing trees. Do not to exceed specified rate in lbs. per acre. The length of residual activity will depend upon the spray coverage and the amount of moisture present after application.
Citrus Blackfly	8.9 to 13.3 oz.	Apply when eggs or insects first appear. Use the high rate when a heavy infestation is present. Repeat spray application at 7 to 10 day intervals.
Ants Fire Ants and Harvester Ants Only	Mound Treatment Method: Mix $\frac{1}{3}$ lb. in 31.9 gals. of water	Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet. Treat a four (4) foot diameter circle around the mound. Make repeat applications as needed to maintain control.

## NON-CROP AREAS

### FIELD BORDERS, FENCEROWS, ROADSIDES, DITCHBANKS, BORROW PITS

#### Restrictions:

- Do not graze or feed vegetation cut from treated areas.

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Grasshoppers	4.4 oz.	Make applications in early to mid-season. Apply in water at 1 to 5 gals. spray per acre by air (a minimum of 5 gals per acre in CA) or 10 to 20 gals. of spray solution per acre by ground. Use the higher volumes when spraying dense foliage. Use an approved drift retardant to control drift and reduce evaporation of aerial sprays.

### WASTELAND (NON-FOOD/NON-FEED PRODUCING AREAS)

#### Restrictions:

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

INSECTS	AMOUNT OF ACEPHATE E- AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Black Grass Bugs Grasshoppers Mormon Crickets	1.7 to 2.2 oz.	Apply in water at $\frac{1}{2}$ gal. spray per acre by air (minimum of 5 gals. per acre in CA) or 10 to 20 gals. of spray solution per acre by ground. For dense foliage, use the higher spray volumes. Use an approved drift retardant to aid in controlling drift and reducing evaporation of aerial sprays.

## PEANUTS

## FOLIAR APPLICATION

## Restrictions:

- Do not apply more than 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle, this includes the use on peanuts as a foliar spray in addition to the peanut planter box seed treatment use.
- Do not feed treated forage or hay to livestock or allow animals to graze treated areas.
- Preharvest Interval: 14 days (between application and digging)

INSECTS	AMOUNT OF ACEPHATE E- AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Grasshoppers	4.4 to 8.9 oz.	Apply in water at 10 to 50 gals. of spray solution per acre by ground or in 5 to 10 gals. of spray solution per acre by air. Begin applications when eggs or insects first appear. Repeat applications as needed to maintain control. Do not exceed the maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle. <b>Repeat applications:</b> =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre) <b>Tank mixes with at-cracking and early post emergence peanut herbicides:</b> Acephate E-AG 90 EG Insecticide can be tank mixed with these herbicides as long as those products do not prohibit tank mixes, the most restrictive of label limitations and precautions are observed, and label dosage rates are not exceeded. <b>Tank mix compatibility:</b> To determine physical compatibility, add the recommended proportions of each chemical with the same proportion of water as will be present in the spray tank into a suitable container. Add wettable powder or dry flowable formulations first and mix before adding any liquid pesticides. 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. Maintain constant agitation of tank mixes and apply immediately. Do not allow tank mixes to stand without agitation for prolonged periods in the spray tank.
Thrips	6.7 to 13.3 oz.	
Corn Earworm	13.3 oz. to 1.1 lbs.	
Fall Armyworm		
Leafhoppers		
Loopers		
Velvetbean Caterpillar		

## PEPPERS

## BELL PEPPERS

## Restrictions:

- Do not apply more than 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
- Preharvest Interval: 7 days (between application and harvest)

Preharvest interval: 7 days between application and harvest.		
INSECTS	AMOUNT OF ACEPHATE E- AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Grasshoppers	4.4 to 8.9 oz.	Apply in water at a minimum of 3 gals. of spray solution per acre (a minimum of 5 gals. spray solution per acre in CA) by air or 25 to 150 gals. of spray solution per acre by ground.
Cabbage Looper Green Peach Aphid Tobacco Hornworm	8.9 oz. to 1.1 lbs.	
European Corn Borer	13.3 oz. to 1.1 lbs.	
		Apply when eggs or insect appear. Repeat as necessary until insects have been reduced below economically damaging numbers but do not exceed maximum application rate of 2.2 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle. <b>Repeat applications:</b> =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater than 0.5 lbs. a.i./acre).

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**NON-BELL PEPPERS (For Use in Midwestern, Eastern States, and Puerto Rico Only)**

**Restrictions:**

- Do not apply more than 1.1 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
- Preharvest Interval: 7 days (between application and harvest).

INSECTS	AMOUNT OF ACEPHATE E- AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Aphids	8.9 oz.	Apply in water at 40 to 150 gals. of spray solution per acre with ground equipment. Make repeat applications at a 7 to 10 day interval as necessary but do not exceed maximum application rate of 1.1 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.

**SOYBEANS**

**Restrictions:**

- Do not graze or cut vines for hay or forage.
- Do not apply more than 1.66 lbs./A (1.5 lbs. ai/A) of Acephate E-AG 90 EG Insecticide per season.
- Preharvest Interval: 14 days (between application and harvest).

INSECTS	AMOUNT OF ACEPHATE E- AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Grasshopper, Thrips	0.28 to 0.56 lb.	For Foliar Application apply in 5 to 10 gals. of spray solution per acre by air or in 10 to 50 gals of spray solution per acre by ground. Repeat treatment as directed below to maintain control, but do not exceed a maximum of 1.66 lbs./A (1.5 lbs. ai/A) per season.  <b>Repeat applications:</b> =>3 day intervals for applications of up to 0.56 lb. Acephate E-AG 90 EG Insecticide; =>7 day intervals for applications between 0.56 and 1.1 lb /A of Acephate E-AG 90 EG Insecticide per acre (greater then 0.5 lbs. a.i./acre)
Potato Leafhopper, Stinkbugs	0.56 to 1.1 lbs.	
Armyworms (except Beet), Bean leaf beetle, Cabbage looper, Green cloverworm, Mexican bean beetle, Soybean aphid, Threecornered alfalfa hopper, Velvetbean caterpillar	0.83 to 1.1 lbs.	

**TOBACCO**

**GENERAL USE RESTRICTION FOR ALL APPLICATIONS ON TOBACCO:**

- Do not apply more than 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle, this includes the use in transplant water, plant bed soil, floatbed (greenhouse), and foliar application.

**TOBACCO FLOATBED APPLICATIONS**

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Cutworm Flea Beetle Green Peach Aphid Tobacco Aphid	13.3 oz.	Apply to foliage at the equivalent of 1 tablespoon in 3 gal. of water per every 1,000 sq. ft. of bed. Apply evenly to ensure thorough coverage. NOTE: Floatbed water should be disposed of in the transplant field, through the transplant water, or through foliar spray.



**TOBACCO PLANT BED APPLICATIONS**

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Cutworm Flea Beetle Green Peach Aphid Tobacco Aphid	13.3 oz.	Apply to foliage at the equivalent of 1 tablespoon in 1 gal. of water per every 1,000 sq. ft. of bed. Apply evenly to ensure thorough coverage.

**TOBACCO TRANSPLANT WATER APPLICATION****Restrictions:**

- Use mechanical transplant equipment only to apply transplant water. Using such equipment, the insecticide/water mixture is mechanically applied directly into the soil along with the transplanted plants.
- Do not use more than 13.3 oz. of Acephate E-AG 90 EG Insecticide per acre as a transplant-water application as some phytotoxicity may occur.

INSECTS	AMOUNT OF ACEPHATE E- AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Cutworms Flea Beetle Green Peach Aphid Potato Tuberworm Tobacco Aphid Tobacco Thrips	13.3 oz.	Apply in a minimum of 100 gals. of transplant water per acre.  Provides control for approximately 3 to 4 weeks after transplanting. For later season control of these insects, apply a foliar spray of Acephate E-AG 90 EG Insecticide.

**TOBACCO FOLIAR APPLICATION****Restrictions:**

- Preharvest Interval: 3 days (between application and harvest).

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Grasshoppers	4.4 to 8.9 oz.	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 but do not exceed maximum application rate of 4.4 lbs. of Acephate E-AG 90 EG Insecticide per acre per crop cycle.
Flea Beetle	8.9 oz.	
Green Peach Aphid		
Tobacco Hornworm		
Tobacco Thrips		
Stinkbugs	8.9 to 13.3 oz.	<b>Repeat applications:</b> =>3 day intervals for applications of 8.9 oz. Acephate E-AG 90 EG Insecticide or less per acre (0.5 lbs. a.i./acre or less); =>7 day intervals for applications greater than 8.9 oz. of Acephate E-AG 90 EG Insecticide per acre (greater then 0.5 lbs. a.i./acre).
Tobacco Aphid		
Vegetable Weevils		
Budworm	13.3 oz.	
Cabbage Looper		
Cutworm		
Japanese Beetle		

**TOBACCO SOIL APPLICATION**

- Treat maximum of 13 mounds per acre.
- Do not treat more than once per season.
- Use as a mound treatment only; only for use on fire ants and harvester ants.

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE	APPLICATION INSTRUCTIONS
Ants Fire Ants and Harvester Ants Only	Mound Treatment - Mix 1/3 lb. in 31.9 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. 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.

**SPECIALITY USES**

**NON-CROP AREAS (FIELD BORDERS, FENCEROWS, ROADSIDES, DITCHBANKS, BORROW PITS)**

**Restrictions:**

- Do not treat mound more than once per season.
- Use as a mound treatment only: only for use on fire ants and harvester ants.

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE SPRAY PER ACRE	APPLICATION INSTRUCTIONS
Ants Fire Ants and Harvester Ants Only	Mound Treatment: Mix 1/3 lb. in 31.9 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. 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.

**CONTAINER GROWN NURSERY STOCK**

PLANTS	INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Container Grown Nursery Stock (Arborvitae Azalea Camellia Rhododendron Roses Viburnum Yew)	Black Vine Weevil Strawberry Root Weevil	13.3 oz.	Application should be made by of mid-September for greenhouse 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 the specified amount Acephate E-AG 90 EG Insecticide per 100 gals. of solution so as to thoroughly drench the root system.
	Ants (excluding fire, harvester, carpenter, and pharaoh ants)	13.3 oz.	Apply as needed to control the pest.	

## ORNAMENTAL TREES AND SHRUBS

## USE PRECAUTIONS FOR ALL ORNAMENTAL TREES AND SHRUBS:

- 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.
- Apply at a minimum of 2 week intervals unless otherwise indicated.

Caution: Phytotoxicity has occurred on the following Crabapple varieties: Hops, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine and Snow Cloud.

PLANTS	INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Trees and Shrubs (except Flowering Crabapple see below)	Aphids Bagworms Birch Leafminer Tent Caterpillar* Lace Bugs Leafrollers	4.4 oz.	As the insects begin to appear.	Apply the specified amount of Acephate E-AG 90 EG Insecticide in 100 gals. water using a hydraulic sprayer. Use a suitable sticker in the spray solution to improve control of Gypsy Moth larvae. * Mist blower application. Adjust rates to 1.1 lbs. per 100 gals. water for Gypsy Moth control and 13.3 oz. per 100 gals. water for Tent Caterpillar control.
	Douglas Fir Tussock Moth Larvae Gypsy Moth Larvae* Webworms	8.9 oz.	As the insects begin to appear.	
	Scales (Crawlers)	8.9 oz.	As crawlers begin to appear. Repeat applications, at a 2 week or longer interval may be necessary where there is continuous crawler production.	
	Ponderosa Pine Needle Miner	8.9 oz.	Timing of application is important. Consult your Farm advisor or County Extension Agent.	Apply the specified amount of Acephate E-AG 90 EG Insecticide in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Grasshoppers	8.9 oz.	As the grasshoppers begin to appear.	
	California Oakworm Cankerworms (Spring and Fall)	4.4 to 8.9 oz.	As the insects begin to appear. Use the higher dosage when the larger larvae are present.	
	Nantucket Pine Tip Moth Larvae	13.3 oz.	Time of application is important. Consult your Farm Advisor or County Extension Agent. Repeat applications will be required for subsequent generations.	
	Root Weevil Adults	13.3 oz.	Apply when first feeding damage occurs. Repeat applications at 4 week intervals up to the first heavy frost may be necessary for complete foliage protection.	

PLANTS	INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
	Box Elder Bugs Sawflies Budworms Leafhoppers	13.3 oz.	As the insects begin to appear.	
	Japanese Beetle	1.1 lbs. (17.7 oz.)	As the Japanese Beetles begin to appear. Repeat applications at 2 week intervals may be necessary.	Apply the specified amount of Acephate E-AG 90 EG Insecticide in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Elm Leaf Beetle (larvae)	1.1 lbs. (17.7 oz.)	As the larvae begin to appear. Acephate E-AG 90 EG Insecticide will not prevent Elm Leaf Beetle eggs from hatching.	
Douglas Fir Christmas Trees	Douglas Fir Needle Midge	8.9 oz.	Application should be made no more than 2 weeks prior to bud burst. For additional pest management information, consult your county extension service.	Apply the specified amount of Acephate E-AG 90 EG Insecticide 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 Tent Caterpillars Leafrollers	4.4 oz.	As the insects begin to appear.  Do not apply more often than 3 times in a growing season at 4 week intervals.	Apply the specified amount of Acephate E-AG 90 EG Insecticide in 100 gals. water with a hydraulic sprayer.
Crape Myrtle	Aphids	1/3 lb. in 6 to 8 Tbsp. of water.	As aphids begin to appear.	Make a paint-on slurry by mixing the specified amount of Acephate E-AG 90 EG Insecticide.
Make a paint-on slurry by mixing the specified amount of Acephate E-AG 90 EG Insecticide with 6 to 8 tablespoons 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.				

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# GOLF COURSE AND SOD FARM TURFGRASS (3 DAYS FOR SOD FARMS)

## Restrictions:

- Do not allow livestock to graze treated areas. Do not feed treated grass to livestock. Use is limited to sod farms and golf courses, except when applying by mound or spot treatment for fire ant and harvester ant control. Aerial application to turf is prohibited.

INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER 1,000 SQ. FT.		TIME OF APPLICATION	RECOMMENDED APPLICATION
	Golf Course	Sod Farm Turfgrass		
Fall Armyworm Yellow Striped Armyworm Southern Armyworm	0.4 to 1.0 oz. (1.1to 2.7 lbs. per acre)	0.4 to 1.0 oz. (1.1to 2.7 lbs. per acre)	As the insects appear. Repeat application at 7 to 14 day intervals as needed.	Apply the specified amount of Acephate E-AG 90 EG Insecticide per 1,000 sq. ft. Use a minimum of 5 gals. water per 1,000 sq. ft. to obtain good coverage.
Cutworm	1.0 to 1.6 oz. (2.7 to 4.3 lbs. per acre)	1.0 to 1.2 oz. (2.7 to 3.2 lbs. per acre)		
Chinch bugs	1.0 to 1.6 oz. (2.7 to 4.3 lbs. per acre)	1.0 to 1.2 oz. (2.7 to 3.2 lbs. per acre)	Repeat application at 7 to 14 day intervals as needed.	Apply the specified amount of Acephate E-AG 90 EG Insecticide per 1,000 sq. ft. Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage.
Sod Webworm (Crambus spp.)	0.4 to 0.8 oz. (1.1 to 2.3 lbs. per acre)	0.4 to 0.8 oz. (1.1 to 2.3 lbs. per acre)	As sod webworms begin to appear. Use the higher amount when quick knockdown is needed or with heavy infestations. Repeat application at 7 to 14 day intervals as needed.	
Leafhopper	0.8 oz. (2.3 lbs. per acre)	0.8 oz. (2.3 lbs. per acre)	As the leafhoppers begin to appear. Repeat application at 7 to 14 day intervals as needed.	
Mole Crickets (Except CA) Spittlebug (Except CA)	0.8 to 1.6 oz. (2.3 to 4.3 lbs. per acre)	0.8 to 1.2 oz. (2.3 to 3.2 lbs. per acre)	As mole crickets begin to appear. For knockdown of existing populations, repeat application at 7 to 14 day intervals as needed. For heavy infestations, use the higher dosage rate. Apply during late afternoon or early evening hours and after irrigation. Do not irrigate after application.	
The use of a lemon fragrance substance in the spray mix may enhance control (as a flushing agent) and increase mole cricket contact with the acephate. 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. Add 2 teaspoons per gallon of water of these lemon-scented products for small total mix volumes or 6 fl. oz in 50 gals. of water for large volumes.				
Greenbug (Schizaphis graminun) Grasshoppers	0.4 oz. (1.1 lbs. per acre)	0.4 oz. (1.1 lbs. per acre)	Apply when insects or their damage first appears. Repeat application at 7 to 14 day intervals as needed.	Apply the specified amount of Acephate E-AG 90 EG Insecticide. Use 4 gals. of water per 1,000 sq. ft. to obtain good coverage. Do not mow turfgrass for at least 24 hours after application.
Black Turfgrass Ataenius (Except CA)	1.3 to 1.6 oz (3.4 to 4.3 lbs. per acre)	1.2 oz. (3.2 lbs. per acre)	Apply when insects or their damage first appear. Repeat application at 7 to 14 day intervals as needed. Use the higher rate for severe infestations.	Apply the specified amount of Acephate E-AG 90 EG Insecticide per 1,000 sq. ft. Use a minimum of 5 gallons water per 1,000 sq ft. Irrigate lightly after application (not more than 1/2 inch).

<b>Dichondra</b> (Golf Course and Sod Farm Turfgrass)				
Cutworm Flea Beetle Southern Armyworm Yellow Striped Armyworm	0.8 to 1.6 oz. (2.3 to 4.3 lbs. per acre)	0.8 to 1.2 oz. (2.3 to 3.2 lbs.)	As the insects appear. Repeat application at 7 to 14 day intervals as needed.	Apply the specified amount of Acephate E-AG 90 EG Insecticide per 1,000 sq. ft. Use a minimum of 15 gals. of water per 1,000 sq. ft. to obtain good coverage.

#### MOUND TREATMENT OF FIRE ANTS AND HARVESTER ANTS IN TURFGRASS

##### Restrictions:

- Do not treat mound more than once per season.
- Use as a mound treatment only; only for use on fire ants and harvester ants.

PLANT	INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE	TIME OF APPLICATION	RECOMMENDED APPLICATION
Turfgrass Residential, Recreational and Commercial Turf	Fire Ants and Harvester Ants (Only)	Mix 1/3 lb. in 31.9 gals. of water.	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.	Apply 1 gal. of mix to each mound until it is wet and treat a four (4) foot diameter circle around the mound. Apply the specified amount of Acephate E-AG 90 EG Insecticide as directed. Grass in treated area may be injured.

#### OUTDOOR AND PERIMETER SPRAY EXCLUDING RESIDENTIAL TURF

LOCATION	INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER GALLON	TIME OF APPLICATION	RECOMMENDED APPLICATION
Outdoor and perimeter area excluding residential turf	Wasps	1.3 oz.	Treat early or late in the day when wasps are generally less active.	Apply the specified amount of Acephate E-AG 90 EG Insecticide per each gallon of water used. Apply as a spot treatment to the nest, nest entrance, and surrounding areas where the wasps alight.
	Ants (excluding fire, harvester, carpenter, and pharaoh ants) Crickets Cockroaches Earwigs Pillbugs	1.3 oz.	As the insects appear.	Apply the specified amount of. Acephate E-AG 90 EG Insecticide 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, entry-ways, screens, eaves patios, garages, carports, around garbage areas and other areas where these pests congregate.

## OUTDOOR FLORAL CROPS AND GROUND COVERS

PLANTS	INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Chrysanthemums Daisies Dahlias Easter Lily Gladioli Gypsophila Pachysandra Peony Roses Sedum Statice Strawflower Yarrow Zinnia	Aphids Thrips Lygus	8.9 oz.	As insects begin to appear. Make a second application 2 weeks after the first application if necessary.	Apply the specified amount of Acephate E-AG 90 EG Insecticide in 100 gals. water using a hydraulic sprayer as a full coverage spray. Some varieties will show slight tip burn or marginal leaf necrosis if multiple applications are applied. Be sure to test the spray on a few plants to determine varietal susceptibility before treating a large number of plants.
Boston Ivy	Japanese Beetles	1.1 lbs. (17.7 oz.)	As the Japanese Beetles begin to appear. Make a second application 2 weeks after the first application if necessary.	
Roses	Japanese Beetles	12.3 oz.		

GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS

- Etigra does not recommend making applications of Acephate E-AG 90 EG Insecticide more often than once every 28 days to Carnations and Chrysanthemums.
- Caution: Phytotoxicity has occurred on the following Chrysanthemum varieties: Albatross, Bonnie Jean, Dixie, Garland, Gent, Iceberg, Pride, Showoff, Statesman, Tally Ho, Westward Ho, and Wild Honey. Before treating large areas of Chrysanthemum plantings, spray only a few plants and observe for two weeks for varietal phytotoxicity.
- Application to Chrysanthemums and Roses with open flowers may result in flower damage.
- 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.

PLANTS	INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Roses	Leafrollers	8.9 to 12.3 oz.	As leafrollers begin to appear. Use the higher rate when large larvae are present.	Apply the specified amount of Acephate E-AG 90 EG Insecticide in 100 gals. water using a hydraulic sprayer as a full coverage spray.
Foliage Plants Anthuriums Cacti Orchids Poinsettia	Aphids	4.4 oz.	As aphids begin to appear.	Apply the specified amount of Acephate E-AG 90 EG Insecticide in 100 gals. water using a hydraulic sprayer as a full coverage spray. If applying to foliage which is difficult to wet, add a wetting agent to the spray tank. Caution: Phytotoxicity has occurred on the following foliage plants: Bletchum gibbum, Cissus antarctica, Ficus triangularis, Fittonia verschaffeltii, Maranta leuconeura kerchoveana, Plectranthus lutes, Plectranthus australis, Polypodium aureus, Polystichum, Pteris ensiformis, Tolmiea menziesii. Before treating large areas of plantings, spray only a few plants and observe for 2 weeks for varietal phytotoxicity. Phytotoxicity may occur in certain varieties of Poinsettias if Acephate E-AG 90 EG Insecticide is applied after bract formation.
	Mealybugs Thrips Whiteflies	8.9 oz.	As the insects begin to appear. Make a second application 2 weeks after the first application if further control of mealybugs and whiteflies is required.	
	Scales (Crawlers)	8.9 oz.	As crawlers begin to appear. Make a second application 2 weeks after the first application if crawler production continues.	
	Sweetpotato/ Silverleaf Whiteflies (Except CA)	8.9 oz. plus TAME® 2.4 EC Spray 10 2/3 fl. oz. (0.2lb. a.i.)	Apply when insects first appear. If a population is well established, make one application of the Acephate E-AG 90 EG Insecticide plus Tame tank mix and follow 5 to 7 days later with TAME alone at 16 fl. oz/100gal. See the TAME label for instructions.	To control Sweetpotato/ Silverleaf whitefly, apply the specified amount of Acephate E-AG 90 EG Insecticide plus TAME® 2.4 EC Spray as a tank mix in a volume which will provide thorough spray coverage. Follow the TAME® label for specific instructions on alternating with TAME® plus Acephate E-AG 90 EG Insecticide and TAME® alone. Follow the rotation instructions to avoid potential resistance to these insecticides.



PLANTS	INSECTS	AMOUNT OF ACEPHATE E-AG 90 EG INSECTICIDE PER ACRE PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Roses Carnations Chrysanthemums	Aphids Thrips	8.9 oz.	As aphids begin to appear. As thrips begin to appear or at the tight flower bud stage. Repeat applications if necessary.	Apply the specified amount of Acephate E-AG 90 EG Insecticide in 100 gals. water using a hydraulic sprayer as a full coverage spray.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep pesticide in original container. Do not put concentrated or dilute product 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.

**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 the outer bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

#### CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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Etigra warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with the Directions for Use. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Etigra, and Buyer and User assume the risk of any such use. ETIGRA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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EPA [approval date]