

53883-253

04/01/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:
53883-253

Date of Issuance:
APR 1 2009

NOTICE OF PESTICIDE:

- Registration
 - Reregistration
- (under FIFRA, as amended)

Term of Issuance: conditional

Acephate 90% Prills Tree, Turf
And Ornamental Insecticide

Name and Address of Registrant (include ZIP Code):

Control Solutions
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

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;
2. Submit the data listed below within 18 months of the date of this Notice:
 - Storage Stability (Guideline 830.6317) and Corrosion characteristics (Guideline 830.6320).
3. 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:
 - a. Add the designation EPA Reg. No. 53883-253.
 - b. Remove the text "PCO &" wherever it appears in the product name throughout the label.
 - c. Remove the column "Equivalent Amount in 1 gals. of water (tsp./gal)" appearing in the Spray Equipment Small Volume table (page 4). There are no directions on the label for use of a teaspoon measure.

Signature of Approving Official:

Date:

APR 1 2009

d. Identify the chemical resistant material. This may be accomplished by adding the following text after "chemical resistant gloves" in the PPE: "chemical resistant gloves made of any water proof material such as polyethylene or polyvinyl chloride".

e. Remove the text "all mixers/loaders and" from the PPE statement, "In addition, all mixers/loaders and all applicators using low pressure hand wand application equipment ___". Retain the PPE above ("In addition, all mixers/loaders must wear ___").

f. Clarify the use rate dilution for wasps and perimeter treatments by replacing directions for a "rate of 0.5% to 1.0 %" with directions for 1.3 oz/gal water as is specified on the cited supporting product.

g. Correct the text "amount of spray" to read "amount of product" in the container grown nursery stock table (page 6).

h. Correct the text "recommend to Chrysanthemums" to "recommend application to Chrysanthemums" in the commercial greenhouse table (page 11).

i. Correct the precautionary statements (page 1) to read as follows: Harmful if absorbed through the skin. Harmful if swallowed. Avoid contact with skin, eyes, and clothing.

j. The use of "Chemical resistant headgear for overhead exposure" (page 2) is not required and may be removed.

k. Remove the reference to a "packet" of the product (page 4). The product is not reported to be formulated as a "packet" on the submitted application form.

l. Remove the term "General" from the heading "General Information" (page 4). The heading "Additional Information" would be acceptable.

m. Add the following statements to the beginning of the container disposal section on page 11 (refer to PR Notice 2007-4): Nonrefillable container. Do not reuse or refill this container.

It is understood, as stated in the e-mail of March 30, 2009 that 1) the July 25, 2008 basic CSF received with the e-mail dated March 30, 2009 replaces all other CSFs submitted for the product, including the alternate CSF dated July 25, 2008 and 2) the data matrix designated as the "Supplemental data matrix" is withdrawn.

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

3/14

ACCEPTED
with COMMENTS
in EPA Letter Dated:
APR 1 2009
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
As amended, for the pesticide
Registered under EPA Reg. No.
53883-253

Acephate 90% Prills

Tree, Turf and Ornamental Insecticide

[TURF, TREE AND ORNAMENTAL SPRAY]
[Kills Fire Ants]

Active Ingredient	By Wt.
Acephate (O,S-Dimethyl acetylphosphoramidothioate)	90.0%
Other Ingredients	10.0%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

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 surfaces until sprays have dried.

Net Contents _____

First Aid	
Acephate is an organophosphate, cholinesterase inhibitor.	
If swallowed.	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a 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 a 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. You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050.	
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.	

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 chart. Mixers, loaders, applicators and other handlers (including during mixing/loading, repair and cleaning of equipment, and disposal of pesticide) must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

In addition, all mixers/ loaders 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.

In addition, all mixers/ 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.

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

Pilots must use an enclosed cockpit that meets the requirements of 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. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or soil-incorporate spills.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE

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

USE RESTRICTIONS

Not for indoor residential use.

Do not use on turf except for golf course, sod farms, and as a mound or spot treatment for control of fire or harvester ants.

Do not apply with low pressure handwand equipment except as an ant mound treatment and on ornamental trees or shrubs when grown for non-commercial or non-agricultural use.

CHEMIGATION

Do not apply this product through any kind of irrigation equipment.

READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries 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 during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- 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, or greenhouses.

Do not enter or allow others to enter treated areas ~~without protective clothing~~ until sprays have dried.

TANK MIXES: 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 of each product to be used in tank mixed with this product.

SPRAY DRIFT MANAGEMENT

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

Do not allow spray to drift from the application site and contact people, structures that people occupy at any time, or 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 airblast application: Direct spray above foliage and turn off outward-facing nozzles at row ends and outer rows. Apply only when wind speed is 3 - 10 mph as measured by an anemometer outside the treated area, on the upwind side.

For aerial application: The boom width must not exceed 75% of the wingspan for fixed wing aircraft, or 90% of rotor width for rotary aircraft. Use upwind swath displacement and apply only when wind speed is 3 - 10 mph as measured by an anemometer. Use fine, medium, or coarse 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 more than 10 feet above the ground or crop canopy.

Wasps (outdoors): Using a 0.5% to 1.0% spot treatment, apply Acephate 90% Prills PCO & TTO Insecticide to the nest, nest entrance, and surrounding areas where wasps inhabit. Treat nests early and late in the day because wasps are usually less active during these times.

Perimeter Treatment Outdoors: Not for use on residential turf as a perimeter treatment. Using a rate of 0.5% to 1.0%, apply Acephate 90% Prills PCO & TTO Insecticide 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 to control Cockroaches, Ants (excluding fire, harvester, carpenter and pharaoh), Pillbugs and Earwigs. Also treat using 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 pests gather. NOTE: Only foraging ants will be controlled when using perimeter treatments.

Ants: (Including Imported Fire Ants, excluding carpenter and pharaoh) in Mounds within a treated perimeter or other non-crop areas: A drench treatment is necessary to control a mound or nest. For a mound drench treatment:

- Dissolve one 1.5 oz. packet of Acephate 90% Prills PCO & TTO Insecticide in 9 gallons of water.
- Sprinkle mound until it is wet with 1 gallon of mix.
- Treat a 4 foot diameter circle around the mound.

Applying Acephate 90% Prills PCO & TTO Insecticide in early morning or late afternoon, when ants are most active, will yield the best results. Applications made under prolonged hot and dry conditions may be ineffective due to the location of ants deep within the nest.

NOTE: Grass in treated areas may be injured. **DO NOT** treat a mound more than once per season.

FOR USE AS A TREE, TURF AND ORNAMENTAL SPRAY

GENERAL INFORMATION

For use to control the listed pests (including fire ants in non-bearing citrus and turfgrass only), on non-bearing citrus, nursery stock (including container grown nursery stock), trees, shrubs, turfgrass (golf courses and sod farms), outdoor floral crops, ground covers, and greenhouse floral and foliage plant crops

SPRAY EQUIPMENT-Small Volume

Preparation of Acephate 90% Prills PCO & TTO Insecticide Spray Mix Using a Small Fluid Ounce Measuring Cup		
Recommended Amount in 100 gals. of water	Equivalent Amount in 25 gals. of water	Equivalent Amount in 1 gals. of water (tsp./gal.)

0.27 lb.	1.08 oz.	0.36 tsp.
0.54 lb.	2.16 oz.	0.72 tsp.
0.81 lb.	3.24 oz.	1.08 tsp.
1.08 lb.	4.32 oz.	1.44 tsp.

**NON-BEARING CITRUS
DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS.**

Plants	Insects	Amount per acre	Application Timing	Application Instructions
Non-bearing Citrus (including citrus nursery seedlings)	Aphids Grasshoppers Katydid Mealybugs Orangedogs Plant Bugs (Lygus) Thrips Whiteflies	0.54 lb. (8.64 oz.)	--To control existing populations, treat at 7 - 10 day intervals.	-Apply in 100 to 200 gals. of water per acre by ground. -Without exceeding the specified rate in lbs. per acre for total application, for coverage, spray individual juvenile or non-bearing trees. -Length of residual activity will be determined by spray coverage and the amount of moisture present after treatment.
	Citrus Blackfly*	0.54 to 0.81 lb. (8.64 to 12.96 oz.)	-Use the higher rate when there is a heavy infestation of Citrus Blackfly. Start treatments when eggs or adults first appear. Treat on a 7 to 10 day interval as needed to maintain control.	-Do not allow livestock to graze treated areas. -Do not harvest citrus for one year after treatment.
	Ants, excluding fire, harvester, carpenter, and pharaoh	Foliar Spray 0.81 lb. (12.96 oz.)		
	Ants, excluding carpenter, and pharaoh	Mound Treatment-Drench Method: Mix 0.81 oz. in 5 gal. of water. Sprinkle each mound with 1 gal. of mix until it is wet and treat a four (4) foot diameter circle around the mound.		

*Not registered in CA for control of Citrus Blackfly and Harvester Ants.

**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.**

Plants	Insects	Amount per Acre	Application Timing	Application Instructions
Nursery Stock (Non-bearing Deciduous Fruit Trees, Nut Trees, Vines) Almond Apricot Apple Cherry Grape Kiwi Pear Pistachio Plum	Aphids Plant Bugs (Lygus) Thrips	0.54 to 1.08 lb. (8.64 to 17.28 oz.)	-To control existing populations, treat as needed.	- Apply by ground in 50 to 200 gals. of water per acre and not less than 5 gals. of water per acre by air.

Prune				
Walnut				

USE PRECAUTIONS: Only apply 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.
 The minimum interval between applications is 3 days for rates up to and including 0.5 lb ai per acre, and 7 days for rates over 0.5 lb ai per acre, unless a longer interval is specified.

SPECIALTY USES - NON CROP AREAS

Crop	Insects	Amount per Acre	Application Instructions
Non-Crop Areas (Field borders, fencerows, roadsides, ditchbanks and borrow pits)	Grasshoppers	0.27 lb. (4.32 oz.)	-For grasshopper treatments that take place in early to mid-season in field borders, fencerows, roadsides, ditchbanks and borrow pits: AIR -apply in 1 to 5 gals. of water. GROUND -apply in 10 to 20 gals. of water. -When treating heavier foliage, use higher volumes. -Do not graze or feed vegetation cut from treated areas.
Non-Crop Areas	Ants, including fire and harvester - excluding carpenter and pharaoh	Mound Treatment-Drench Method: Mix 0.81 oz. in 5 gal. of water. Sprinkle each mound with 1 gal. of mix until it is wet and treat a four (4) foot diameter circle around the mound.	-Applications in the early morning or late afternoon, when the ants are most active, will yield the best results. -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.

*Not registered in CA for control of Harvester Ants.

SPECIALTY USES -CONTAINER GROWN NURSERY STOCK

Plants	Insects	Amount per 100 gals.	Application Timing	Application Instructions
Container Grown Nursery Stock (Arborvitae Azalea Camellia Rhododendron Roses Viburnum Yew)	Black Vine Weevil Strawberry Root Weevil	0.81 lb. (12.96 oz.)	Greenhouse stock -apply by mid-September Outdoor stock -apply by mid-October -For information regarding the identification and control of root weevils on ornamentals, check with your local county extension agent.	-To thoroughly drench the root system, apply the amount of spray stated per 100 gals. of water per acre.
	Ants, excluding fire, harvester, carpenter and pharaoh	0.81 lb. (12.96 oz.)	To control the pest, treat as needed.	

*Not registered in CA for control of Harvester Ants.
 The minimum interval between applications is 3 days for rates up to and including 0.5 lb ai per acre, and 7 days for rates over 0.5 lb ai per acre, unless a longer interval is specified.

ORNAMENTAL TREES AND SHRUBS

Plants	Insects	Amount per 100 gals.	Application Timing	Application Instructions
Trees and Shrubs (Except Flowering Crabapple, see below)	Aphids Bagworms Birch Leafminer Lace Bugs Leafrollers Tent Caterpillars ¹	0.27 lb. (4.32 oz.)	-As the insects start to appear.	-Using a hydraulic sprayer, apply the stated amount of product in 100 gals. of water per acre.

Douglas Fir Tussock Moth Larvae Gypsy Moth Larvae ¹ Webworms	0.54 lb. (8.64 oz.)	-As the insects start to appear.	Mist blower application: -To control Gypsy Moths, adjust rates to 1.08 lb. per 100 gals. of water per acre. -To control Tent Caterpillars, adjust rates to 0.81 lb. per 100 gals. of water per acre.. - Control Solutions, Inc. does not support application to Balm of Gilead, Cottonwood, Huckleberry, Lombardy Poplar and Viburnum suspensum. Nursery Crops: - Prior to treating large plantings, spray a small amount and observe for 2 weeks for phytotoxicity.
Scale (Crawlers)	0.54 lb. (8.64 oz.)	-As crawlers begin to appear. -Where there is constant crawler production, repeat treatments may be necessary every 2 weeks or more.	
Ponderosa Pine Needle Miner	0.54 lb. (8.64 oz.)	-Time of application is important. Check with your Farm Advisor or County Extension Agent.	-Using a hydraulic sprayer, apply the stated amount of product in 100 gals. of water per acre.
Grasshoppers	0.54 lb. (8.64 oz.)	-As the grasshoppers start to appear.	-Using a hydraulic sprayer, apply the stated amount of product in 100 gals. of water per acre as a full coverage spray.
California Oakworm Cankerworms (Spring and Fall)	0.27 to 0.54 lb. (4.32 to 8.64 oz.)	-As the insects start to appear. -When larger larvae are present, use the higher volume.	-Using a hydraulic sprayer, apply the stated amount of product in 100 gals. of water per acre.
Nantucket Pine Tip Moth Larvae	0.81 lb. (12.96 oz.)	-Time of application is important. Check with your Farm Advisor or County Extension Agent. -Repeat treatments will be required for subsequent generations.	
Root Weevil Adults	0.81 lb. (12.96 oz.)	-Treat when first feeding damage occurs.	-Using a hydraulic sprayer, apply the stated amount of product in 100 gals. of water per acre as a full coverage spray.
Box Elder Bugs Budworms Leafhoppers Sawflies	0.81 lb. (12.96 oz.)	-As the insects start to appear.	
Japanese Beetle	1.08 lb. (17.28 oz.)	-As the Japanese Beetles start to appear.	
Elm Leaf Beetles (larvae)	1.08 lb. (17.28 oz.)	-As the larvae start to appear. -This product will not prevent Elm Leaf Beetle eggs from hatching.	

The minimum interval between applications is 3 days for rates up to and including 0.5 lb ai per acre, and 7 days for rates over 0.5 lb ai per acre, unless a longer interval is specified.

GOLF COURSES AND SOD FARM TURFGRASS

Do not allow livestock to graze treated areas. Do not feed treated grass to livestock. Do not apply by air.

Plants	Insects	Amount per 1,000 sq. ft.	Application Timing	Application Instructions
Turf (Golf Course and Sod Farm Turfgrass)	Fall Armyworm Yellow Striped Armyworm Southern Armyworm	0.43 to 0.97 oz. (1.08 to 2.7 lbs. per acre)	-As the insects appear. -It may be necessary to repeat treatment at 2 week intervals.	-Using a minimum of 5 gals. of water per 1,000 sq. ft., apply the stated amount of Acephate 90% Prills PCO & TTO Insecticide to achieve good coverage.
	Cutworm	sod farm: 0.97 to 1.07 oz (2.7 to 3 lbs. per acre) golf course: 0.97 to 1.43 oz (2.7 to 4 lb per acre)		
	Chinch Bugs	sod farm: 0.97 to 1.07 oz (2.7 to 3 lbs. per acre) golf course: 0.97 to 1.43 oz (2.7 to 4 lb per acre)	-To achieve adult population knockdown, apply as needed (10-14 days).	
	Sod Webworm (<i>Crambus spp.</i>)	0.43 to 0.86 oz. (1.08 to 2.16 lbs. per acre)	-As sod webworms begin to appear. -With heavy infestations or when quicker knockdown is needed, use the higher rate. -Repeat treatments may be necessary. Do not repeat at more than 1 week intervals.	
	Leafhopper	0.81 oz. (2.16 lbs. per acre)	-As the leafhoppers start to appear. -Repeat treatments at 1 week intervals may be necessary.	

	Mole Crickets (Except CA) Spittlebug (Except CA)	sod farm: 0.97 to 1.07 oz (2.7 to 3 lbs. per acre) golf course: 0.97 to 1.43 oz (2.7 to 4 lb per acre)	-As mole crickets begin to appear. -More than one application may be necessary throughout the growing season, for knockdown of existing populations. -Use the higher rate for heavy infestations.	-Using 1 to 15 gals. of water per 1,000 sq. ft., apply the stated amount of Acephate 90% Prills PCO & TTO Insecticide to achieve good coverage. -Apply after irrigating and during the late afternoon or evening hours. Do not irrigate after application. - Minimum interval between applications is 7 days -Control may be improved by using a lemon fragrance in the spray mix. The lemon fragrance acts as a flushing agent, therefore providing increased mole cricket contact with Acephate 90%. The following products are credited as being successful flushing agents, as a result of their lemon scent: Lemon Joy, Lemon Palmolive, and Mighty Myrt Products Manufacture-Base Pure Lemon Fragrance. For small mixtures, use 2 tsp. of the lemon-scented product per gallon and 6 fl. oz. per 50 gals. of water for large mixtures.
	Greenbug (<i>Schizaphis graminum</i>) Grasshoppers	sod farm: 0.97 to 1.07 oz (2.7 to 3 lbs. per acre) golf course: 0.97 to 1.43 oz (2.7 to 4 lb per acre)	-Apply when insects or their damage start to appear. -Repeat as needed. Do not repeat application at more than 1 week intervals.	-Using 4 gals. of water per 1,000 sq. ft., apply the stated amount of Acephate 90% Prills PCO & TTO Insecticide to achieve good coverage.
	Black Turfgrass Ataenuis (Except CA)	sod farm: 0.97 to 1.07 oz (2.7 to 3 lbs. per acre) golf course: 0.97 to 1.43 oz (2.7 to 4 lb per acre)	-Apply when insects or their damage start to appear.	-Using a minimum of 5 gals. of water per 1,000 sq. ft., apply the stated amount of Acephate 90%. -Irrigate lightly after treatment (not more than an inch). -For heavy infestations, use the higher rate. - Minimum interval between applications is 7 days
Dichondra (Plant site for Golf Course and Sod Farm Turfgrass)	Cutworm Flea Beetle Southern Armyworm Yellow Striped Armyworm	sod farm: 0.97 to 1.07 oz (2.7 to 3 lbs. per acre) golf course: 0.97 to 1.43 oz (2.7 to 4 lb per acre)	-As the insects appear. -Repeat as needed at 2 week intervals.	-Using a minimum of 15 gals. of water per 1,000 sq. ft., apply the stated amount of Acephate 90% Prills PCO & TTO Insecticide to achieve good coverage.
The minimum interval between applications is 3 days for rates up to and including 0.5 lb ai per acre, and 7 days for rates over 0.5 lb ai per acre, unless a longer interval is specified. The pre-harvest interval for sod is 3 days.				

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 of spray	Application Timing	Application Instructions
Turfgrass Residential, Recreational, And Commercial Turf	Imported Fire Ants and Harvester Ants*	Mound Treatment-Drench Method: Mix 0.81 oz. in 5 gal. of water. Sprinkle each mound with 1 gal. of mix until it is wet and treat a four (4) foot diameter circle around the mound.	-Applications in the early morning or late afternoon, when the ants are most active, will yield the best results. - Applications made under prolonged hot and dry conditions may be ineffective due to the location of ants deep within the nest.	-Apply the stated volume of spray as instructed. -Grass in treated areas may be injured. -Do not treat mound more than once per season.

*Not registered in CA for control of Harvester Ants.

OUTDOOR FLORAL CROPS AND GROUND COVERS

Plants	Insects	Amount per 100 gals. per acre	Application Timing	Application Instructions
Chrysanthemums Dahlias Daisies Easter Lily Gladioli <i>Gypsophila</i> Pachysandra Pansy Peony Roses Sedum Statice Strawflower Yarrow Zinnia	Aphids Thrips Lygus	0.54 lb. (8.64 oz.)	- As insects begin to appear. - Repeat applications may be necessary. with a minimum 3 day interval	-Apply the stated amount in 100 gallons of water using 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 Roses	Japanese Beetle	1.08 lb (17.28 oz) For cut flower production maximum rate is 0.83 lb. (13.28 oz.)	- As the Japanese Beetles begin to appear. - Repeat applications at 2 week intervals may be necessary.	

The minimum interval between applications is 3 days for rates up to and including 0.5 lb ai per acre, and 7 days for rates over 0.5 lb ai per acre, unless a longer interval is specified.

COMMERCIAL GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS

Plants	Insects	Amount per 100 gals. per acre	Application Timing	Application Instructions
Roses	Leafrollers	0.54 to 0.81 lb. (8.64 to 12.96 oz.)	-As leafrollers start to appear. -When large larvae are present, use the higher rate.	-Using a hydraulic sprayer, apply the stated amount of spray in 100 gals. of water as a full coverage spray.
Foliage Plants Anthuriums Cacti Orchids Poinsettia	Aphids	0.54 lb. (8.64 oz.)	-As aphids start to appear.	-Using a hydraulic sprayer, apply the stated amount of spray in 100 gals. of water as a full coverage spray.
	Mealybugs Thrips Whiteflies	0.54 lb. (8.64 oz.)	-As the insects start to appear. -To control mealybugs and whiteflies, a repeat treatment at a 2 week interval may be necessary.	-Adding a wetting agent may be needed on hard to wet foliage. Caution: Phytotoxicity has occurred on the following foliage plants: <i>Blechnum</i>

	Scale (Crawlers)	0.54 lb. (8.64 oz.)	-As crawlers start to appear. -Where continuous crawler production exists, repeat treatments may be necessary at a 2 week or more interval.	<i>gibbum</i> , <i>Cissus antarctica</i> , <i>Ficus triangularis</i> , <i>Fittonia verschaffelii</i> , <i>Maranta leuconeura kerchoviana</i> , <i>Pachystachya lutea</i> , <i>Plectranthus australis</i> , <i>Polypodium aureus</i> , <i>Polystichum</i> , <i>Pteris ensiformis</i> , <i>Tolmiea menziesii</i> . -Prior to treating large plantings, spray a small amount and observe for 2 weeks for varietal phytotoxicity. -Phytotoxicity may result on certain varieties of Poinsettias, if Acephate 90% Prills PCO & TTO Insecticide is applied after bract formation.
	Sweet Potato Whiteflies (Except CA)	0.27 lb. (4.32 oz.) plus Tame® 2.4 EC Spray 10 2/3 fl. oz. (0.216 lb. ai)	-Apply when insects start to appear. With well-established populations, treat once with the tank mix and follow with <i>Tame</i> alone at 16 fl. oz. per 100 gals. 5 to 7 days later. See <i>Tame</i> label for directions.	-Apply the Acephate 90% Prills PCO & TTO Insecticide plus <i>Tame</i> 2.4 EC Spray as a tank mix at a volume that will allow good coverage to be achieved for control of sweet potato whiteflies. Follow the <i>Tame</i> label for detailed directions on the alteration of <i>Tame</i> plus Acephate and <i>Tame</i> alone and the rotation directions to prevent possible resistance.
Carnations Chrysanthemums Roses	Aphids Thrips	0.54 lb. (8.64 oz.)	-As aphids start to appear. -As thrips start to appear or at the tight flower bud stage. -Repeat treatments may be needed.	-Using a hydraulic sprayer, apply the stated amount of spray in 100 gals. of water as a full coverage spray. Carnations & Chrysanthemums-Do not apply more than once every 28 days. 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. -Prior to treating large Chrysanthemum plantings, spray a small amount and observe for 2 weeks for varietal phytotoxicity. - Control Solutions, Inc. does not recommend to Chrysanthemums and Roses with open flowers due to the possibility of 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

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

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

CONTAINER DISPOSAL: 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, stay out of smoke.

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

WARRANTY STATEMENT

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. To the extent consistent with applicable law, Control Solutions, Inc. shall in no event be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, to the extent consistent with applicable law, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration of this product. Except, as expressly provided herein, to the extent consistent with applicable law, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, the exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at Control Solutions, Inc. election, the replacement of this product.

Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041
EPA Reg. No. 53883 - XXX
EPA Est. No. XXXXX-XX-XXX