



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 11, 2016

Ms. Haley Sears  
Regulatory Assistant  
Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

Subject: Notification per PRN 98-10 – Adding trademark symbols and optional text to distinguish the appropriate brands for each trademark  
Product Name: Acephate 90% Prills  
EPA Registration Number: 53883-253  
Application Date: January 20, 2016  
Decision Number: 513215

Dear Ms. Sears:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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If you have any questions, you may contact Eric Bohnenblust at (703) 347-0426 or via email at [Bohnenblust.eric@epa.gov](mailto:Bohnenblust.eric@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Gebken", written in a cursive style.

Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Office of Pesticide Programs

# Acephate 90% Prills

## Pest Control Operator & Tree, Turf and Ornamental Insecticide

### NOTIFICATION

53883-253

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

02/11/2016

**[STRUCTURAL INSECTICIDE]  
[Kills Roaches]  
[TURF, TREE AND ORNAMENTAL SPRAY]  
[Kills Fire Ants]**

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

Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041  
Phone 281-892-2500

EPA Reg. No. 53883 – 253  
EPA Est. No. XXXXX-XX-XXX  
**Net Contents** \_\_\_\_\_

## KEEP OUT OF REACH OF CHILDREN CAUTION

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

**CAUTION** – Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with eyes, skin, and clothing.

<b>First Aid</b>	
<b>Acephate is an organophosphate, cholinesterase inhibitor.</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in Eyes</b>	<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>
<b>If on skin or clothing</b>	<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>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move a 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>
<p>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.</p>	
<b>NOTE TO PHYSICIAN</b>	
<p>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.</p>	

## **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 made of any waterproof material such as polyethylene or polyvinyl chloride
- Shoes plus socks

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.

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 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.

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## FOR USE AS A STRUCTURAL INSECTICIDE

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### ADDITIONAL INFORMATION

Use Acephate 90% Prills Insecticide for residual pest control in the areas listed by applying as a 0.75% or 1.0% spray. To control light infestations on nonporous surfaces use the 0.75% rate, and to rapidly reduce heavy infestations use the 1.0% spray. There may be limited activity on porous surfaces. Repeat treatment as needed.

Not for use in feed processing areas in feed handling establishments.

### APPLICATION INSTRUCTIONS

Apply as an outdoor treatment to control ants, including imported fire ants and other listed pests within industrial, institutional, and commercial buildings, including restaurants, warehouses, stores, hospitals, hotels, manufacturing plants and ships. NOTE: Treatment of turfgrass is restricted to fire ant and harvester ant mounds. For complete dissolution, agitate or shake spray container.

Desired Concentration Wt./Wt.	Grams of Product in 1 Gal. Water	Ounces of Product in 1 Gal. Water
½ %	21.0	0.76
¾ %	31.6	1.08
1%	42.0	1.51

Cockroaches, Ants (excluding fire, harvester, carpenter, and pharaoh), Crickets and Firebrats: Using a coarse, low pressure spot spray, crack and crevice spray or with a paint brush, apply to areas where these pests are found or normally reside. These places include corners of rooms and closets; around television sets and radios; along and behind baseboards; around and under sinks, dishwashers, washing machines, refrigerators, stoves and cabinets; areas where plumbing enters or leaves the room; or other areas that these pests occupy.

NOTE: For maximum effect on cockroaches, 3 to 7 days may be needed.

Earwigs, Pillbugs and Sowbugs: Using a coarse, low pressure spot spray apply around doors and windows, storage areas, baseboards and other areas that these pests occupy.

Pantry Pests – Exposed Stages (Confused Flour Beetle, Indian Moth Meal and Trogoderma): Using a 1.0% spot treatment, apply Acephate 90% Prills Insecticide to pantry and cupboard shelves where food containers suspected of being infested are stored. Remove all foodstuffs, shelving paper and utensils before spraying and wait until the surface has dried before replacing food packages. Destroy infested food packages and replace shelving paper.

**Wasps (outdoors):** Using a dilution of 1.3 oz / gallon of water as spot treatment, apply Acephate 90% Prills 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 dilution of 1.3 oz / gallon of water apply Acephate 90% Prills 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 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 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.

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

**For Applications as Spot Treatment:** Using a coarse fan tip, spot treatments can be made at moderate pressures (up to 35 psi), with individual spots no larger than 2 square feet.

Refer to the dilution chart for mixing rates. To areas where cockroaches reside, make spot applications using a coarse fan spray. Baseboards, under and behind refrigerators, stoves, dishwashing and other equipment, as well as in storage areas, closets, sinks, cabinets, around windows, doors, water pipes and the underside of drawers and shelves should be treated; Also treat other areas where cockroaches congregate and travel.

**Food Handling Establishments:** For use in Federally Inspected Meat and Poultry Plants and places other than private residences in which exposed food is held, processed, prepared or served.

**Food Areas - Application Limited to Spot and/or Crack and Crevice Treatment Only:** Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing) preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Limit spray concentration to a maximum of 1.0% active ingredient. Using equipment that can deliver a fine stream of insecticide in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases, where labeled insects hide apply small amounts directly into cracks and crevices. Take proper care to prevent depositing this product onto exposed surfaces or allowing the material into the air. Do not contaminate food or food processing surfaces. **DO NOT apply this product in the Food Areas of Food Handling Establishments, other than as a Spot and/or Crack and Crevice Treatment.**

**Non - Food Areas:** Includes garbage rooms, lavatories, floor drains (to sewer entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage). Limit spray; concentration to a maximum of 1.0% active ingredient. Treat areas where insects may hide or enter through, such as baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables and pallets.

**Serving Areas:** Using a spot treatment, apply to selective surfaces, such as baseboards under elements of construction into cracks and crevices in facilities where prepared food is served (e.g. dining rooms). Do not apply in areas where food may be prepared or held. Do not apply when foods are exposed or facility is in operation.

Do not let spray mist come in contact with food, foodstuffs or water supplies. If exposed to contamination as a result of application of this product, completely wash dishes and food handling utensils in soap and water. Do not allow children or pets to come into contact with treated surfaces until sprays have dried.

**Do not contaminate food or food processing surfaces.**

**Caution: Do not apply directly to carpet. Staining may occur. Do not treat unpainted masonry floors in poorly ventilated areas, such as garages or basements, especially where moisture or high humidity exists because persistent odor could develop.**

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**FOR USE AS A TREE, TURF AND ORNAMENTAL SPRAY**

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**ADDITIONAL 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 Insecticide Spray Mix Using a Small Fluid Ounce Measuring Cup	
Specified Amount in 100 gals. of water	Equivalent Amount in 25 gals. of water
0.27 lb.	1.08 oz.
0.54 lb.	2.16 oz.
0.81 lb.	3.24 oz.
1.08 lb.	4.32 oz.

**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	<b>Mound Treatment-Drench Method:</b> 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.		
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\*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 Prune Walnut	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.

**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: <b>AIR</b> -apply in 1 to 5 gals. of water. <b>GROUND</b> -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, excluding carpenter and pharaoh	<b>Mound Treatment-Drench Method:</b> 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.)	<b>Greenhouse stock-</b> apply by mid-September <b>Outdoor stock-</b> apply by mid-October -For information regarding the identification and control or 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 <sup>1</sup>	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.  <b><sup>1</sup>Mist blower application:</b> -To control Gypsy Moths, adjust rates to 1.08 lb. per 100 gals. of water per acre.
	Douglas Fir Tussock Moth Larvae Gypsy Moth Larvae <sup>1</sup> Webworms	0.54 lb. (8.64 oz.)	-As the insects start to appear.	-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.
	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.	<b>Nursery Crops:</b> - Prior to treating large plantings, spray a small amount and observe for 2 weeks for phytotoxicity.
	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 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)		

	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 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% Prills. 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 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% Prills. -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 Insecticide to achieve good coverage.

<p>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.</p>			

**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*	<b>Mound Treatment-Drench Method:</b> 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  Mealybugs Thrips Whiteflies	0.54 lb. (8.64 oz.)  0.54 lb. (8.64 oz.)	-As aphids start to appear.  -As the insects start to appear. -To control mealybugs and whiteflies, a repeat treatment at a 2 week interval may be necessary.	-Using a hydraulic sprayer, apply the stated amount of spray in 100 gals. of water as a full coverage spray. -Adding a wetting agent may be needed on hard to wet foliage.  <b>Caution:</b> 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 kerchoveana</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 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 Tame® alone at 16 fl. oz. per 100 gals. 5 to 7 days later. See Tame® label for directions.	-Apply the Acephate 90% Prills Insecticide plus Tame® 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 Tame® label for detailed directions on the alteration of Tame® plus Acephate and Tame® 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.  <b>Caution:</b> 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.  - Due to the possibility of flower damage, do not apply to Chrysanthemums and Roses with open flowers.

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

#### STORAGE AND DISPOSAL

##### PROHIBITIONS

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 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: Non refillable container. Do not reuse or refill this container.** 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.

#### **[Optional Text]**

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