

ACEPHATE PRO 75

INSECTICIDE IN WATER SOLUBLE PACKETS

KILLS FIRE ANTS

Active Ingredient	By Wt.
*Acephate (O,S-Dimethyl acetylphosphoramidothioate).....	75%
Inert Ingredients.....	25%
Total.....	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

Acephate is an organophosphate, cholinesterase inhibitor.

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

In Case of Eye Contact: Wash eyes with fresh water for 15 minutes. If irritation continues, see a doctor.

For Skin Contact: Wash skin with plenty of soap and water.

If Inhaled: Remove person from exposure area.

Note to Physicians: 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 & DOMESTIC ANIMALS

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

Mixers and Loaders must wear:

Long-sleeved shirt and long pants
Waterproof gloves
Shoes plus socks
Chemical-resistant headgear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

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.

ENVIRONMENTAL HAZARDS

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

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

STORAGE AND DISPOSAL

PROHIBITIONS

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

STORAGE: Keep pesticides 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.

DIRECTIONS FOR USE

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

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

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

AGRICULTURAL USE REQUIREMENTS

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: coveralls, waterproof gloves, and shoes plus socks and chemical-resistant headgear for overhead exposure.

NON-AGRICULTURAL USE REQUIREMENTS

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

DIRECTIONS

Do not apply this product through any type of irrigation system.

TABLE OF EQUIVALENTS

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

SPECIALTY USES

CROP	INSECTS	AMOUNT ACEPHATE PRO 75 PER ACRE	FURTHER USE INSTRUCTIONS
Non-Crop Areas	Imported Fire Ants	<p>Mound Treatment-</p> <p>Dry Method: (Except CA) Evenly distribute 1 to 2 teaspoons over the mound.</p> <p>Drench Method: Mix 1 oz. in 5 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.</p>	<p>For best results apply the material in the early morning or late afternoon when the ants are most active.</p> <p>Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.</p> <p>Grass in treated area may be injured.</p> <p>Do not treat mound more than once per season.</p>

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Container Grown Nursery Stock (Arborvitae, Azelea, Camellia, Rhododendron, Roses, Viburnum, Yew)	Black Vine Weevil, Strawberry Root Weevil	1 lb. (16 oz.)	Application should be made by 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 of ACEPHATE PRO 75 per 100 gals. of solution so as to thoroughly drench the root system.
	Imported Fire Ants	1 lb.	Apply as needed to control the pest.	

**SMALL SPRAY EQUIPMENT
PREPARATION OF ACEPHATE SPRAY MIX USING A 16 OZ. MEASURING CUP**

LABEL RECOMMENDATION ACEPHATE PRO 75 IN 100 GALS. WATER	EQUIVALENT ACEPHATE IN 20 GALS. WATER*	EQUIVALENT ACEPHATE IN GAL. WATER (TSP./GAL.)
1/3 lb.	1.1 oz.	1/2
2/3 lb.	2.1 oz.	1
1 lb.	3.2 oz.	1 1/2
1 1/3 lb.	4.3 oz.	2

*Use in 16 oz. measuring cup

TREES & SHRUBS

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 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	1/3 lb. (5.3 oz.)	As the insects begin to appear.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer. The addition of a suitable sticker improves control of Gypsy Moth larvae. *Mist blower application. Adjust rates to 1 1/3 lbs. per 100 gals. water for Gypsy Moth control and 1 lb. per 100 gals. water for Tent Caterpillar control.
	Douglas Fir Tussock Moth Larvae, Gypsy Moth Larvae*, Webworms	2/3 lb. (10.5 oz.)	As insects begin to appear.	
	Scales (Crawlers)	2/3 lb. (10.5 oz.)	As crawlers begin to appear. Repeat applications, at a 2 week or more interval, may be necessary where there is continuous crawler production.	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.
Trees and Shrubs	Ponderosa Pine Needle Miner	2/3 lb. (10.5 oz.)	Time of application is important. Consult your Farm Advisor or County Extension Agent.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer as a full coverage spray
	Grasshoppers	2/3 lb. (10.5 oz.)	As the grasshoppers begin to appear	
	California Oakworm, Cankerworms (Spring & Fall)	1/3 - 2/3 lb. (5.3 to 10.5 oz.)	As the insects begin to appear. Use the higher amount when the larger larvae are present.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer.
	Nantucket Pine Tip Moth Larvae	1 lb. (16 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	1 lb. (16 oz.)	Apply when first feeding damage occurs. Repeat applications, at four week intervals until the first heavy frost, may be necessary for complete foliage protection.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Box Elder Bugs, Sawflies, Budworms, Leafhoppers	1 lb. (16 oz.)	As the insects begin to appear.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Japanese Beetle	1 1/3 lbs. (21.3 oz.)	As the Japanese Beetles begin to appear. Repeat applications, at 2 week intervals, may be necessary.	
	Elm Leaf Beetle (larvae)	1 1/3 lb. (21.3 oz.)	As the larvae begin to appear. ACEPHATE PRO 75 will not prevent Elm Leaf Beetle eggs from hatching.	
Douglas Fir, Christmas Trees	Douglas Fir Needle Midge	2/3 lb. (10.5 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 PRO 75 in not less than 2 gals. of spray per acre by air or in 100 gals. of spray per acre by ground.

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Flowering Crabapples	Aphids, Tent Caterpillars, Leafrollers	1/3 lb. (5.3 oz.)	As the insects begin to appear.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer. Do not apply more often than 3 times in a growing season at a 4 week interval. Caution: Phytotoxicity has occurred on the following Crabapple varieties: Hopa, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine and Snow Cloud.
Crepe Myrtle (Except CA)	Aphids	3 to 4 level Tbs. (0.8-1.1 oz.) per 1 Tbs. of water.	As aphids begin to appear.	Make a paint-on slurry by mixing the specified amount of ACEPHATE PRO 75 with 1 Tablespoon 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.

COMMERCIAL TURFGRASS (Golf Course Turf, Sod Farm turf and Fire Ant Spot and Mound Treatment Only), AND OTHER RECREATIONAL TURFGRASS AREAS DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK. NOT FOR USE ON RESIDENTIAL LAWNS

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 PER 1,000 SQ. FT.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Turfgrass	Leafhopper	1 oz. (2 3/4 lbs. per acre)	As the leafhoppers begin to appear. A repeat application at 1 week intervals may be necessary.	Apply the specified amount of ACEPHATE PRO 75 per 1,000 sq. ft. Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage.
	Mole Crickets (Except CA)	1.0 to 1.9 oz. (2.66-5.2 lbs. per acre)	As mole crickets begin to appear. For knockdown of existing populations, more than one application may be required throughout the growing season. For heavy infestations, use the higher dosage rate.	Apply the specified amount of ACEPHATE PRO 75 per 1,000 sq. ft. Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage. Apply during late afternoon or early evening hours and after an irrigation. Do not irrigate after application. The use of a lemon fragrance substance in the spray mix may enhance control by acting as a flushing agent and thus provide increased mole cricket contact with the ACEPHATE PRO 75. The following lemon-scented products have been shown to be effective flushing agents: Lemon Joy, Lemon Palmolive and Mighty Myrt Products Manufacturer-Base Pure Lemon Fragrance. The use rate for these lemon-scented products is 2 teaspoons per gallon of water for small total mix volumes or 6 fl. oz. per 50 gals. of water for a large total mix volume.
	Greenbug (Schizaphis graminun), Grasshoppers	1/2 oz. (1 1/3 lbs. per acre)	Apply when insects or their damage first appears. Repeat as necessary. Application is not to be repeated at more than 1 week intervals.	Apply the specified amount of ACEPHATE PRO 75 per 1,000 sq. ft. Use 4 to 15 gals water per 1,000 sq ft to obtain good coverage. Do not mow turfgrass for at least 24 hours after application.
Dichondra	Cutworm, Flea Beetle, Southern Armyworm, Yellow Striped Armyworm	1.0 to 1.9 oz. (2.7 to 5.2 lbs. per acre)	As the insects appear. Repeat at 2 week intervals as necessary.	Apply the specified amount of ACEPHATE PRO 75 per 1,000 sq. ft. Use a minimum of 15 gals. water per 1,000 sq. ft. to obtain good coverage.

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 PER 1,000 SQ. FT.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Turfgrass	Fall Armyworm, Yellow Striped Armyworm, Southern Armyworm	1/2 to 1.2 oz. (1 1/3 to 3 1/4 lbs. per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ACEPHATE PRO 75 per 1,000 sq. ft. Use a minimum of 5 gals. water per 1,000 sq. ft. to obtain good coverage.
	Cutworm	1.2 to 2.4 oz. (3 1/4 to 6 2/3 lbs. per acre)		
	Chinch bugs	1.2 to 2.4 oz. (3 1/4 to 6 2/3 lbs. per acre)	Apply as needed for adult population knockdown (10 to 14 days)	
	Fleas	1.2 to 2.4 oz.	Apply as needed for knockdown (7 to 10 days) only of existing adult populations.	
	Sod Webworm (Crambus spp.)	1/2 to 1 oz. (1 1/3 to 2 3/4 lbs. per acre)	As sod webworms begin to appear. Use the higher amount when quick knockdown is needed or with heavy infestations. Repeat application may be necessary. Do not repeat at more than 1 week intervals.	

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75	TIME OF APPLICATION	RECOMMENDED APPLICATION
Turfgrass	Imported Fire Ant	Mound Treatment - Dry Method: (Except CA) Evenly distribute 1 to 2 teaspoons over the mound. Drench Method: Mix 1 oz. in 5 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.	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 the specified amount of ACEPHATE PRO 75 as directed. Grass in treated areas may be injured. Do not treat mound more than once per season.

OUTDOOR WASP AND PERIMETER SPRAY

LOCATION	INSECTS	AMOUNT ACEPHATE PRO 75 PER GALLON	TIME OF APPLICATION	RECOMMENDED APPLICATION
Outdoor wasp and perimeter area	Wasps	1/6 oz. (0.10 lbs.)	Treat early or late in the day, as wasps are generally less active during these times.	Apply the specified amount of ACEPHATE PRO 75 per each gallon of water used. Apply as a spot treatment to the nest, nest entrance, and surrounding areas where the wasps alight.
	Cockroaches, Ants, Pillbugs, Earwigs (Perimeter treatment)	1.6 oz. (0.10 lbs.)	As the insects appear.	Apply specified amount of ACEPHATE PRO 75 per each gallon of water use. 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 residential 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 ACEPHATE PRO 75 PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Daisies, Dahlias, Easter Lily, Gladioli, Gyposophila, Pachysandra, Peony, Roses, Sedum, Statice, Straw flower, Yarrow, Zinnia	Aphids, Thrips, Lygus	2/3 lb. (10.5 oz.)	As insects begin to appear. Repeat applications may be necessary.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer as a full coverage spray. Multiple applications may cause slight tip burn or marginal leaf necrosis on some varieties. Test on a few plants to determine varietal susceptibility.
Roses, Boston Ivy	Japanese Beetle	1 1/3 lbs. (21.3 oz.)	As the Japanese Beetles begin to appear. Repeat applications at 2 week intervals may be necessary.	

GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Roses	Leafrollers	2/3 to 1 lb. (10.5 to 16 oz.)	As leafrollers begin to appear. Use the higher amount when the large larvae are present.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer as a full coverage spray.
Foliage Plants, Orchids Anthuriums, Cacti, Poinsettia	Aphids	1/3 lb. (5.3 oz.)	As aphids begin to appear.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer as a full coverage spray. The addition of a wetting agent may be required on difficult to wet foliage. Caution: Phytotoxicity has occurred on the following foliage plants: Bletchum gibbum, Cissus antarctica, Ficus triangularis, Fittonia verschaffeltii, Maranta leuconeura kerchoveana, Pachystachya lutea, Plectranthus australis, Polypodium aureus, Polystichum, Pteris ensiformis, Tolmiea menziesii. Before treating large plantings spray only a few plants and observe 2 weeks for varietal phytotoxicity. Applications of ACEPHATE PRO 75 on Poinsettias after bract formation may result in phytotoxicity on certain varieties.
	Mealy bugs, Thrips, Whiteflies	2/3 lb. (10.5 oz.)	As the insects begin to appear. A repeat application, at a 2 week interval, may be necessary for control of mealybugs and white- flies.	
	Scales (crawlers)	2/3 lb. (10.5 oz.)	As crawlers begin to appear. Repeat applications, at a 2 week or more interval, may be necessary where there is continuous crawler produc- tion.	
	Sweet Potato Whiteflies, (except CA and NY)	1/3 lb. (5.3 oz.) plus TAME 2.4 EC Spray 10 2/3 fl. oz. (0.2 lb. ai)	Apply when insects first appear. If a population is well established, make one application of the tank mix and follow 5 to 7 days later with TAME alone at 16 fl oz./100 gals. See TAME label for instructions.	For sweet potato whitefly control, apply the specified amounts of ACEPHATE PRO 75 plus TAME 2.4 EC Spray as a tank mix at a volume necessary to obtain good coverage. Follow the TAME label for specific instructions on the alternation of TAME plus ACEPHATE and TAME alone and the rotation instructions to avoid potential resistance.
Roses, Carna- tions, Chrysan- themums	Aphids, Thrips	2/3 lb. (10.5 oz.)	As aphids begin to appear. As thrips begin to appear or at the right flower bud stage. Repeat applications may be necessary.	Apply the specified amount of ACEPHATE PRO 75 in 100 gals. water with a hydraulic sprayer as a full coverage spray. Do not apply 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 Chrysanthemum plantings, spray only a few plants and observe two weeks for varietal phytotoxicity. Do not apply to Chrysanthemums and Roses with open flowers.

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

NOTE: This product is sold by weight and package is full when packed but due to fluffy nature this material is inclined to settle.

MICRO FLO WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSE STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS FOR USE. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE 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 MICRO FLO. IN NO CASE SHALL MICRO FLO BE LIABLE FOR THE CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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