| | MUTEO STARE | Off Regi 1200 | IMENTAL PROTECTION AGE fice of Pesticide Programs stration Division (H7505C) Pennsylvania Avenue, N.W. | ENCY ENCY ENCY ENCY EPA Reg. 1381-1 Term of Is Conditi | 96 suance: | Date of Issuance: JAN 2 4 200 |)6 |
|---------------------|---|--|---|---|---|--|----|
| | PFRA as amended) | NOTICE OF Pl X_Regis | | Name of P | esticide Produc TM EC A | gricultural | |
| Agrili P.O. E | id Address of Registrant ance LLC Box 64089 ul, MN 55164- | | | | | | |
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| on the ba | and the second secon | | e above named pesticide is hereb | | | a ser a s | de |
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The basic and two (2) alternate confidential statements of formula, all dated 11-09-2005 are acceptable. Copies have been inserted in the file for the subject product.

If you have any questions regarding this action, please contact Olga Odiott of my team at (703) 308-9369.

| Signature of Approving Official: | Date: |
|--|--------------|
| George T. LaRocca, Product Manager (13) | JAN 2 4 2006 |
| Insecticide Branch/Registration Division (7505C) | |

Enclosure



TundraTM EC Agricultural Insecticide

NOT FOR SALE OR USE IN CALIFORNIA

| Active Ingredient: | By Wt. |
|---|----------------|
| Bifenthrin* (2 methyl[1,1'-biphenyl]-3-yl) methyl 3-(2-chloro-3,3 | 1,3-trifluoro- |
| 1-propenyl)-2,2-dimethylcyclopropanecarboxylate | |
| Other Ingredients**: | <u>74.9</u> % |
| TOTAL | |

*Cis isomers 97% minimum, trans isomers 3% maximum. **Contains xylene range aromatic solvents This product contains 2 pounds active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

This label must be in the possession of the user at the time of application.

| | FIRST AID |
|---------------------------------|--|
| if swallowed | Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. |
| If in eyes | 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 inhaled | Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. |
| If on skin or clothing | 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. |
| evacuated. Tr absorption and | NOTE TO PHYSICIAN a pyrethroid. If large amounts have been ingested, the stomach and intestine should be reatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase a so should be avoided. Contains petroleum distillates. Vomiting should be supervised by a pe professional staff because of the possible pulmonary damages by aspiration of the solvent. |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

EMERGENCY NUMBERS:

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Transportation or spill, call CHEMTREC 1-800-424-9300

with COMMENTS In EPA Letter Debed JAN 2 4 2005 Under the Federal Incesticate. Pungleste, and Rodentiesde Ant. as amended, for the pasticide registered under EPA Reg. No. 1381-196

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- Human health, 1-800-832-HELP (4375)
- Animal health, call ASPCA 1-800-345-4735

Manufactured for: Agriliance, LLC P.O. Box 64089 St. Paul, MN 55164-0089

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EPA Reg. No. 1381-193 EPA Est. No. _____

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PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

WARNING AVISO

WARNING. May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

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 E on an EPA chemical resistance category selection chart.

Handlers who may be exposed to the dilute through application or other tasks must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber or Viton
- Shoes plus socks

Handlers who may be exposed to the concentrate through mixing, loading, application or other tasks must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or Viton
- Shoes plus socks
- Protective eyewear

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 are present 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 drenched or if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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 while bees are actively visiting the treatment area.

The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

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Physical/Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

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

Resistance: Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control in your area.

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 restricted-entry interval (REI) of 12 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, such as barrier laminate or nitrile rubber or neoprene rubber or Viton; and shoes plus socks.

STORAGE AND DISPOSAL

Pesticide Storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. : Do

not freeze or store below 40°F. If crystals are observed, warm material to above 60°F by placing in warm location. Shake or roll container periodically to redissolve solids.

Spills

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. **To confine spill:** dike surrounding area or absorb with sand, cat litter or commercial clay. Place damaged package and used absorbent material in a holding container. Identify contents.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State pesticide or environmental control agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Container Disposal

Metal or Plastic Container: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Do not cut or weld metal containers.

Returnable, refillable containers: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

Application Instructions

Rate of application is variable according to pest pressure, timing of sprays, and field scouting. Use lower rates under light to moderate infestations; higher rates under heavy insect pressure and for mite control. Arid climates generally require higher rates.

Cultivation within 10 feet of a water body is prohibited to allow for the growth of a vegetated filter strip.

In New York State this product may not be applied within 100 feet (using ground equipment) to 300 feet (using aerial equipment) of coastal marshes or streams that drain into coastal marshes.

Chemigation Use Directions

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

For LEPA irrigation a minimum of 0.75 inch of water per acre is recommended. Where nonemulsified oils are used as the diluent, 1 to 2 pints per acre is recommended.

Results from utilizing chemigation have been variable and depend upon the set up and calibration of equipment. Crop injury, lack of effectiveness, or illegal residues in the crop can result from non-uniform distribution of treated water. Contact your State Agricultural Extension Service specialists, equipment manufacturers or other experts for consultation on the suitability of the equipment set up to obtain effective control of the target insect pests.

A person knowledgeable of the chemigation system and responsible for its operations, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Failure to cease application during a mechanical stoppage may result in undesirable residues to adjacent areas.

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The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Tundra insecticide should be applied continuously for the duration of the water application. Tundra insecticide should be diluted in sufficient volume to ensure accurate application over the area to be treated. When using chemigation, a minimum of 0.5 inch per acre of irrigation water is recommended. Agitation generally is not required when a suitable diluent is used. A diluent test should be conducted to ensure that phase separation will not occur during dilution and application. Failure to achieve a uniform dilution throughout the time of application may result in undesirable residues or less than desirable control.

Spray Drift Precautions

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All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS; MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

Do not apply by ground equipment within 25 feet, or by air within 150 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds. Increase the buffer zone to 450 feet when ultra low volume (ULV) application is made in cotton. Use of ultra low volume (ULV) application on corn and hops is prohibited.

For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or rotor diameter.

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Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.

Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when the wind velocity favors on target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Do not cultivate within 10 feet of the aquatic areas so as to allow growth of a vegetative filter strip.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Do not make aerial or ground applications to corn if heavy rainfall is imminent. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Rotational Crops

Crops for which bifenthrin tolerances exist, including all those identified on this label, may be rotated at any time. All other crops may be rotated 30 days after the last application.

Tank-Mixtures

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Tundra insecticide may be applied in tank mixtures with other products approved for use on registered crops. Observe all restrictions and precautions which appear on the labels of these products. Test for compatibility of products before mixing.

INDEX TO CROPS LISTED ON THIS LABEL

CROP

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artichokes

brassica crops

caneberries

canola, crambe, rapeseed

citrus (not for this use in Florida)

cotton

field corn (grain and silage), popcorn, field corn grown for seed (at plant use)

field corn (grain and silage), popcorn, field corn grown for seed (pre & PPI)

field corn (grain and silage), popcorn, field corn grown for seed (foliar use)

sweet corn (grain and silage), sweet corn grown for seed (at plant use)

sweet corn (grain and silage), sweet corn grown for seed (foliar use)

cucurbits

eggplant

grapes

hops

lettuce, head

pears

peppers, bell and non-bell

spinach

succulent peas and beans

tomatoes

ARTICHOKES

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Apply as directed in the following table at a rate of 6.4 fl. oz. per acre (0.1 lb ai per acre).

| PEST | REMARKS AND RESTRICTIONS | | |
|--|--|--|--|
| artichoke plume moth, cribrate weevil | Apply when pest population reaches damaging threshold and repeat as necessary to maintain control, but not more often than 15 day intervals. Application by ground: Apply a full cover spray in a minimum of 75 gallons of finished spray per acre. Application by air: Apply specified rate in a minimum of 10 gallons per acre. Do not exceed 0.5 lb ai per acre per season. A 5-day preharvest interval must be observed. | | |

BRASSICA CROPS

Apply as directed in the following table at rates indicated

| CROP | RATE/ PEST | REMARKS AND RESTRICTIONS |
|--|--|---|
| including: broccoli, Brussels sprouts, cabbage, cauliflower, cavalo broccolo, Chinese broccoli (gai lon, white flowering broccoli, Chinese cabbage (napa), Chinese mustard cabbage (gai choy) kohlrabi | Pests: aphids, armyworms, corn earworm, crickets, cucumber beetles, cutworms, diamondback, moth, flea beetles, ground beetles, imported cabbageworm, leafhoppers, loopers, saltmarsh caterpillar, stink bugs, thrips, tobacco budworm, whitefly, wireworm (adults) Rate: 2.1 to 6.4 fl. oz. per acre (0.033 to 0.1 lb ai per acre). Pests: Banks grass mite, carmine mite, lygus bugs, Pacific spider mite Rate: 5.12 to 6:4 fl. oz. per acre (0.08 to 0.1 lb ai per acre). | Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. Do not apply more than 0.5 lb ai (1 quart) per acre per season. Do not make more than 5 applications after bloom. Do not make applications less than 7 days apart. Do not apply within 7 days of harvest. |

CANEBERRIES

Apply as directed in the following table at rates indicated.

| CROP | RATE/ PEST | REMARKS AND RESTRICTIONS |
|------|------------|--------------------------|
| | | |

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| bingleberries, | Pests: | Apply by air or ground equipment using sufficient |
|--|---|--|
| blackberries, | leafrollers, orange tortrix, root weevils | water to obtain full coverage of foliage (minimum of |
| dewberries, loganberries, | weeviis | 10 gallons per acre by air and 50 gallons per acre by ground). |
| lowberries, marionberries, olallieberries, | Rate: 3.2 to 6.4 fl. oz. per acre (0.05 to 0.1 lb ai per acre). | One application may be made pre-bloom and a second application may be made post bloom. Do not exceed 0.2 lb ai per acre per season. Do not apply |
| raspberries, youngberries | Pests: spider mites | within 3 days of harvest. |
| | Rate: 6.4 fl. oz. per acre (0.1 Ib ai per acre). | |

CANOLA, CRAMBE, RAPESEED

Apply as directed in the following table at a rate of 2.1 to 2.6 fl. oz. per acre (0.033 to 0.04 lb ai per acre).

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| PEST | REMARKS AND RESTRICTIONS |
|--|--|
| aphids armyworms cutworms diamondback moth flea beetle flea hopper grasshopper loopers other lepidopterous larvae plant bug seedpod weevil stink bugs thrips whitefly | Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. Do not apply more than 0.08 lb. a.i. (5.12 ounces formulated product) per acre per season. Do not make applications less than 14 days apart. Do not apply within 35 days of harvest. |

CITRUS (Not for this use in Florida)

Apply as directed in the following table at a rate of 16-32 fl. oz. per acre (0.25-0.50 lb. ai per acre.)

| PEST | REMARKS AND RESTRICTIONS |
|--|--|
| Asian cockroach <i>Diaprepes</i> root weevil (<i>Diaprepes abbreviatus</i>) fire ants | Apply to individual citrus resets, when not in solid planted rows, using hand-gun or shielded sprayer. Peak emergence of Diaprepes root weevil generally occurs in the spring. Depending on weather conditions, a minor emergence of Diaprepes root weevil may also occur in the fall. If the citrus grove to be treated is in an area where weather conditions are conducive to primary emergence occurring in the spring, 32 fluid ounces formulated product should be used to obtain the longest residual management of Diaprepes root weevil. If the citrus grove to be treated is in an area where weather conditions will promote more than one peak of pest emergence, 16 fluid ounces formulated |

| product can be applied early season and 16 fluid ounces formulated product can be applied later in the season. If emergence extends beyond the residual protection of Tundra, grower is advised to use additional management strategies (i.e. foliar adult central or spill |
|--|
| advised to use additional management strategies (i.e. foliar adult control or soil larvae control such as nematodes). Contact your state agricultural extension specialist as to the recommendation suited for local conditions. Do not apply through irrigation systems. |
| Do not allow any application of Tundra to contact fruit or foliage. Do not apply more than a total of 32 fluid ounces of formulated product (0.5 lb. a.i.) per acre per year. |
| Apply the specified rate in a minimum of 30 gallons of finished spray per acre. Ground application only. Do not apply by air. Do not apply within 1 day of harvest. |

COTTON

Apply as directed in the following table at rates indicated.

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| PEST | RATE | REMARKS AND RESTRICTIONS |
|--|---|---|
| European corn borer soybean (banded) thrips tobacco thrips | 1.3 to 6.4 fl. oz. (0.02 to 0.1 lb ai) per acre | Tundra may be applied in water or refined vegetable oil (soybean/cottonseed). Application in Water: Apply in a minimum of 5 gallons |
| boll weevil bollworm cabbage looper cotton aphid cotton fleahopper cotton leaf perforator cutworms fall armyworm plant bugs saltmarsh caterpillar | 2.6-6.4 fl. oz. (0.04 to 0.1 lb ai) per acre | per acre with ground equipment or 1 gallon per acre by aircraft. When applying by air, 1 quart of emulsified oil may be substituted for one quart of water in the finished spray. ULV Application: Apply the recommended rate of Tundra in refined vegetable oil in a minimum of 1 quart of finished spray per acre with aircraft calibrated to give adequate coverage. To Control Boll Weevil: Apply Tundra at an interval of 3 |
| southern garden leafhopper stink bugs tobacco budworm whitefly yellow striped armyworm | | to 4 days until pest numbers are reduced to acceptable levels. To Control Mites and Aphids: Apply when pests first appear. Repeat as necessary to maintain control. Higher rates will be required once a damaging threshold is |
| beet armyworm carmine spider mite lygus bug. pink bollworm twospotted spider mite | 3.8-6.4 fl. oz. (0.06 to 0.1 lb ai) per acre | established. Do not apply more than 0.5 lb. ai per acre per season. Do not make more than 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include Ambush [®] , Ammo [®] , Arctic [®] , Asana [®] XL, Baythroid [®] , Capture [®] , Danitol [®] , Karate [®] , Mustang [®] , and Scout X-TRA [®] . |
| | | Do not graze livestock in treated areas or cut treated crops for feed. Do not apply within 14 days of harvest. |

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FIELD CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (AT PLANT USE)

Apply as directed in the following table at rates indicated. To calculate the amount of Tundra to use per acre based on row spacing refer to the conversion chart below.

| Row spacing | Rate per 1000 linear feet | Equivalent amount per acre |
|-------------|---------------------------|----------------------------|
| 30 inches | 0.15 fl oz. | 2.6 fl oz |
| | 0.3 fl oz. | 5.2 fl oz. |
| 36 inches | 0.15 fl oz. | 2.2 fl oz. |
| | 0.3 fl oz. | 4.4 fl oz. |
| 38 inches | 0.15 fl oz. | 2.1 fl oz. |
| | 0.3 fl oz. | 4.2 fl oz. |
| 40 inches | 0.15 fl oz. | 2 fl oz. |
| | 0.3 fl oz. | 4 fl oz. |

| PEST | RATE | REMARKS AND RESTRICTIONS |
|--------------------|--------------------|---|
| corn rootworm | 0.30 fluid | Apply as a 5 to 7 inch T-band treatment over an open |
| larvae (northern, | ounces (0.0046 | seed furrow. Position the spray nozzle behind the |
| southern, western) | lb ai) per 1,000 | planter shoe in front of the press wheel centered over |
| | linear feet of row | the row. Apply in a minimum of 3 gallons of finished |
| · | | spray per acre. (3 gallons per acre is approximately 0.2 |
| army cutworm, | 0.15 to 0.30 fluid | gallons per 1000 linear feet of row at 36 inch spacing). |
| other cutworm | ounces (0.0023 | |
| species, | to 0.0046 lb. | Mix Tundra with water or fertilizer in the following |
| grubs, | a.i.) per 1,000 | manner. Fill the spray tank approximately one-half full |
| seed corn beetle, | linear feet of row | with water or liquid fertilizer, add the proper amount of |
| seed corn maggot, | | Tundra, then add the rest of the water or fertilizer. |
| true armyworm, | | Provide sufficient agitation during mixing and |
| other armyworm | | application to maintain a uniform spray mixture. |
| species, | ſ | |
| wireworm | | Applications of Tundra alone or in recommended tank |
| | | mixtures, in conjunction with in furrow pop-up fertilizers |
| | | may be used. A jar compatibility test should be |
| | | performed with appropriate ratio of Tundra and fertilizer |
| | | to ensure mixture will stay in solution. Constant |
| | | agitation should be maintained during mixing and |
| | | application. |
| | | Do not apply to soil where there is greater than 30% |
| | | cover of crop residue remaining. |
| | | |
| | | Do not graze livestock in treated area or cut treated |
| | | crops for feed within 30 days of treatment. |
| | | Do not opply more than 0.1 th of (6.4.6. an) and and |
| | | Do not apply more than 0.1 lb. ai (6.4 fl. oz) per acre per |
| | | season as an at plant application. |
| | | Do not apply within 30 days of harvest. |
| L | | |

FIELD CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED Preplant incorporated and pre-emergence

| PEST | RATE | REMARKS AND RESTRICTIONS |
|--|--|--|
| armyworm spp. black cutworm seedcorn maggot stalkborer white grubs wireworm | 3 - 4 fl. oz. per acre PPI (0.047 to 0.062 lb ai / acre) | Apply this rate PPI only. May be tank mixed with PPI herbicides. Do not incorporate deeper than the intended planting depth, and not more than 3 inches. Incorporation should be close to the intended planting depth. |
| armyworm spp. black cutworm stalkborer | 2.56 fl. oz. per acre (0.04 lb ai / acre) PRE | Apply this rate pre-emergence. May be tank mixed with pre-emergent herbicides. |

FIELD CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (Foliar use)

| PEST | RATE | REMARKS AND RESTRICTIONS |
|------------------------------|--------------------|--|
| aphids, | 2.1 to 6.4 fl. oz. | Apply in a minimum of 2-5 gallons of finished spray |
| army cutworm, | per acre (0.033 | per acre by aircraft or in a minimum of 10 gallons per |
| beet armyworm, | to 0.1 lb. ai / | acre with ground equipment. To improve control by |
| cereal leaf beetle, | acre) | aircraft, use 5 gallons of finished spray per acre |
| chinch bug, | | particularly when initial populations are heavier than |
| common stalk borer, | | normal. When applying by air, 1-2 quarts of emulsified |
| corn earworm, | | oil may be substituted for 1-2 quarts of water in the |
| corn rootworm | - | finished spray. Thorough coverage is essential to |
| adults, | | achieve control. |
| cucumber beetle | | |
| adults, | : | To control ear-attacking pests: Apply Tundra just |
| cutworm species, | | before silking and repeat as necessary to maintain |
| European corn | | control. |
| borer, | | |
| fall armyworm, | | Southwestern corn borer, European corn borer: |
| flea beetle, | | Make application for corn borer control with initial |
| grasshoppers, | | application at or shortly before egg hatch. |
| greenbug, | | |
| Japanese beetle | | For control of other insect pests: Apply when pests |
| adult, | | first appear and repeat as necessary. |
| sap beetle, | 1 | |
| southern armyworm, | | |
| southern corn leaf | | |
| beetle, southwestern corn | | |
| | | |
| borer, stinkbugs, | • | |
| tarnished plant bug, | | |
| true armyworm or | | |
| armyworm species, | | |
| webworms, | | |
| western bean | | |
| cutworm, | | |
| vellowstriped | | |
| armyworm | | |
| annywonn | | |
| Banks grass mite | 5.12 to 6.4 fl. oz | Apply for Banks grass mite control when colonies |

;

| carmine mite | per acre (0.08 to | first form prior to leaf damage or discoloration and |
|---------------------------|-------------------|---|
| twospotted spider mite | 0.1 lb ai / acre) | before dispersal above the bottom third of the plant. |
| | | For twospotted spider mite and carmine mite |
| | | control : Apply when colonies first form prior to leaf damage or discoloration and before wide-spread mite |
| | | dispersal throughout the canopy. |
| | | Higher rates will be necessary for heavier initial populations and corn under heat or drought stress. Field experience with dimethoate at 0.5 lb. a.i. per acre in tank mixture has demonstrated good control under these conditions. |
| | | For mite control in Texas, New Mexico, and Arizona, apply in a minimum od 5 gallons of finsihed spray per acre by aircraft or in a minimum of 10 gallons per acre with ground equipment. |

Do not apply more than 0.3 lb. ai per acre per season including PRE & PPI, at plant plus foliar applications.

Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.

Use of ultra low volume (ULV) application on corn is prohibited.

Do not make aerial or ground applications to corn if heavy rainfall is imminent.

Use of Tundra on corn is prohibited in all coastal counties.

Do not apply within 30 days of harvest.

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SWEET CORN (GRAIN AND SILAGE) SWEET CORN GROWN FOR SEED (At plant use)

Apply as directed in the following table at rates indicated. To calculate the amount of Tundra to use per acre based on row spacing refer to the conversion chart below.

| Row spacing | Rate per 1000 linear feet | Equivalent amount per acre |
|-------------|---------------------------|----------------------------|
| 30 inches | 0.15 fl oz. | 2.6 fl oz |
| | 0.3 fl oz. | 5.3 fl oz. |
| 36 inches | 0.15 fl oz. | 2.2 fl oz. |
| | 0.3 fl oz. | 4.4 fl oz. |
| 38 inches | 0.15 fl oz. | 2.1 fl oz. |
| | 0.3 fi oz. | 4.2 fl oz. |
| 40 inches | 0.15 fl oz. | 2 fl oz. |
| | 0.3 fl oz. | 4 fl oz. |

| PEST | RATE | REMARKS AND RESTRICTIONS |
|--|--|---|
| corn rootworm larvae (northern, southern, western) | 0.3 fl. oz per 1000 linear feet of row (0.0046 lb ai per 1000 linear feet of row) | Apply as a 5 to 7 inch T-band treatment over an open seed furrow. Position the spray nozzle behind the planter shoe, in front of the press wheel centered over the row. Apply in a minimum of 3 gallons of finished spray per acre. |
| army cutworm, cutworm species, | 0.15 to 0.3 fl. oz per 1000 linear | Mix Tundra with water or fertilizer in the following manner. Fill the spray tank approximately one-half full |

| grubs, | feet of row | with water or liquid fertilizer, add the proper amount of |
|---------------------------------------|-----------------------------|---|
| seed corn beetle, | (0.0023 to | Tundra, then add the rest of the water or fertilizer. |
| seed corn maggot, | 0.0046 lb ai per | Provide sufficient agitation during mixing and |
| true armyworm or armyworm species, | 1000 linear feet of row) | application to maintain a uniform spray mixture. |
| wireworm | | Applications of Tundra alone or in recommended tank |
| | | mixtures, in conjunction with in furrow pop-up |
| | | fertilizers may be used. A jar compatibility test should be performed with appropriate ratio of Tundra and |
| | | fertilizer to ensure mixture will stay in solution. |
| | | Constant agitation should be maintained during mixing and application. |

Do not apply to soil where there is greater than 30% cover of crop residue remaining.

Do not apply within 30 days of harvest. Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment. Do not apply more than 0.1 lb. active per acre per season as an at plant application

SWEET CORN (GRAIN AND SILAGE) SWEET CORN GROWN FOR SEED (Foliar use)

| PEST | RATE | REMARKS AND RESTRICTIONS |
|----------------------|-------------------|---|
| aphids | 2.1 to 6.4 fl. oz | Apply in a minimum of 2 gallons of finished spray per |
| army cutworm | per acre (0.033 | acre by air or in a minimum of 10 gallons per acre with |
| beet armyworm | to 0.1 lb ai per | ground equipment. When applying by air, 1-2 quarts |
| cereal leaf beetle | acre) | of emulsified oil may be substituted for 1-2 quarts of |
| chinch bug | | water in the finished spray. Thorough coverage is |
| common stalk borer | | essential to achieve control. |
| corn earworm | | |
| corn rootworm adults | | To control ear-attacking pests: Apply Tundra when |
| cucumber beetle | | silking begins and repeat as necessary to maintain |
| adult | | control. |
| cutworm species | | |
| European corn borer | | Southwestern corn borer, European corn borer: |
| fall armyworm | | Make 2 applications for corn borer control with the |
| flea beetle | | initial application at or shortly before egg hatch. |
| grasshoppers | | |
| greenbug | | For control of other insect pests: Apply when pests |
| Japanese beetle | | first appear and repeat as necessary. |
| adult | | |
| sap beetle | | |
| southern armyworm | - | |
| southern corn leaf | | |
| beetle | | |
| southwestern corn | | |
| borer | | |
| stinkbugs | | |
| tarnished plant bug | | · · · |
| true armyworm or | | |
| armyworm species | | |
| webworms | | |
| western bean | | |
| cutworm | | |

| yellowstriped armyworm | | |
|---|---|--|
| Banks grass mite carmine mite twospotted spider mite | 5.12 to 6.4 fl. oz per acre (0.08 to 0.1 lb ai per acre) | Apply for Banks grass mites control when colonies first form from prior to leaf damage or discoloration and before dispersal above the bottom third of the plant. |
| | | For twospotted spider mite and carmine mite control: Apply when colonies first form prior to leaf damage or discoloration and before widespread mite dispersal throughout the canopy. |
| | | Higher rates will be necessary for heavier initial populations and corn under heat or drought stress. |

Do not apply more than 0.2 lb. a.i. (12.8 ounces formulated product) per acre per season. Do not graze livestock in treated areas of cut treated crops for feed within 1 day of the last application.

Use of ultra low volume (ULV) application on corn is prohibited.

Do not make aerial or ground applications to corn if heavy rainfall is imminent.

Use of Tundra on corn is prohibited in all coastal counties.

Do not apply within 1 day of harvest.

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CUCURBITS

| CROP | PEST | RATE |
|---|---|--|
| chayote (fruit) Chinese waxgourd (Chinese preserving melon) citron melon cucumber gherkin gourd, edible (includes hyloan, cucuzza), luffa spp. (includes hechima, Chinese okra), Momordica spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber) muskmelon (hybrids and/or cultivars of <i>Cucumis melo</i> , includes: true cantaloupe, | aphids armyworms cabbage looper corn earworm cucumber beetles cutworm grasshopper leafhoppers melonworm pickleworm plant bug rindworm squash bugs squash vine borer stink bugs tobacco budworm | 2.6 to 6.4 fl. oz per acre (0.04 to 0.1 lb ai per acre) |
| cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon) | carmine mite Banks grass mite lygus bugs twospotted spider mites whitefly | 5.12 to 6.4 fl. oz per acre (0.08 to 0.1 lb ai per acre |

| oumpkin | | |
|---------------------------|--------------------------|--|
| squash, summer | | |
| ncludes: | | |
| crookneck squash, | | |
| scallop squash, | | |
| straightneck squash, | | |
| vegetable marrow, | | |
| zucchini) | | |
| squash, winter |) | |
| ncludes ; | | |
| butternut squash, | | |
| calabaza, | | |
| Hubbard squash | | |
| acorn squash, | | |
| spaghetti squash) | | |
| vatermeion | , | |
| (includes hybrids and | | |
| or varieties of Citrullis | | |
| spp.) | cre by air or in a minim | |

substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. Do not apply more than 19.2 ounces of Tundra (or 0.3 lb. ai including any other brand of

bifenthrin product) per acre per season.

Do not make more than two applications after bloom.

Do not make applications less than 7 days apart.

Do not apply within 3 days of harvest.

EGGPLANT

| PEST | RATE | REMARKS AND RESTRICTIONS |
|--|---|--|
| armyworms Colorado potato beetle corn earworm cucumber beetle European corn borer flea beetle cabbage looper plant bug stink bug thrips tomato pinworm tomato hornworm vegetable leafminer whitefly | 2.1 to 6.4 fl. oz per acre (0.033 to 0.1 lb ai per acre) | Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. Do not make applications less than 7 days apart. Do not apply more than 0.2 lb. ai (12.8 ounces formulated product) per acre per season. Do not apply within 7 days of harvest. |
| Banks grass mite carmine mite lygus bugs Pacific spider mite twospotted spider mite | 5.12 to 6.4 fl. oz per acre (0.08 to 0.1 lb ai per acre) | |

| PEST | RATE | REMARKS AND RESTRICTIONS |
|--|---|--|
| eastern grape leafhopper, variegated leafhopper, western grape leafhopper, | 3.2 to 6.4 fl. oz per acre ()0.05 to 0.1 lb ai / acre) | Apply in a minimum of 10 gallons of finished spray by air or in a minimum of 25 gallons of finished spray with ground equipment. When applying by air, 1 to 2 quarts of emulsified oil may be substituted for 1 to 2 quarts of water in the finished spray. |
| black vine weevil, glassywinged sharpshooter, twospotted spider mite | 6.4 fl. oz/ acre (0.1 lb ai per acre) | Thorough coverage is essential to achieve control. When pest pressure is moderate to severe, use higher rate. Do not apply more than 0.10 lb. ai per acre per season. Do not apply within 30 days of harvest. |

HOPS

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| PEST | RATE | REMARKS AND RESTRICTIONS |
|------------------------|-----------------------------------|---|
| aphids armyworms | 3.8-6.4 fl. oz per | Do not exceed 6.4 fl. oz (0.1 lb ai of bifenthrin, |
| cutworms | acre (0.06-0.1 lb | regardless of formulation) per acre per |
| leafrollers loopers | ai / acre) | application. |
| | | Do not exceed 19.2 fl. oz (0.3 lb ai of bifenthrin, |
| | | regardless of formulation) per acre per season. |
| root weevils | 3.2-6.4 fl. oz per | A spray interval of 21 days between applications |
| | acre (0.05 to 0.1 | must be maintained. |
| | lb ai / acre) | |
| twospotted spider mite | 6.4 fl. oz per acre (0.1 lb ai | A 14 day pre-harvest interval must be observed. |
| | /acre) | Application by ground: For best results, full |
| | | coverage is essential. In early season use 100- |
| | | 150 gallons of spray per acre. In late season use |
| | | 200-250 gallons of spray per acre. |
| | | |
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| | | Application by air for late season control of |
| | | twospotted spider mites: Apply no less than 6.4 |
| | | oz (0.1 lb ai) per application in a minimum of 10 |
| | | gallons per acre. |
| | | |
| | | Use of ultra low volume (ULV) application on hops is prohibited. |
| | • • | For root weevil control, make a directed spray the base of the plant. Spray up the vine 3 fee and the soil surface 1.5 to 2 feet on either side the plant. Application by air for late season control o twospotted spider mites: Apply no less than oz (0.1 lb ai) per application in a minimum of 1 gallons per acre. Use of ultra low volume (ULV) application on the |

LETTUCE, HEAD

| [| PEST | RATE | REMARKS AND RESTRICTIONS |
|---|------|------|--------------------------|
| - | | | |

| aphids, armyworms, corn earworm, cucumber beetles, cutworms, diamondback moth, flea beetles, imported cabbageworm, leafhoppers, loopers, salt marsh caterpillar, stink bug, tobacco budworm, whitefly, | 2.1 to 6.4 fl. oz per acre (0.033-0.10 lb ai per acre) | Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air. When applying by air, 1-2 quarts of emulsified oil may be substituted for 1-2 quarts of water in the finished spray. Thorough coverage is essential to achieve control. Do not make applications less than 7 days apart. A maximum of 0.5 lb. ai may be applied per acre per season. |
|--|--|--|
| carmine mite lygus bug twospotted spider mite | 5.12 to 6.4 fl. oz per acre (0.08 to 0.10 lb ai per acre) | Do not apply within 7 days of harvest. |

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PEARS

| PEST | RATE | REMARKS AND RESTRICTIONS |
|--|--|--|
| aphids coddling moth cutworms green fruitworm leafhoppers leafminers leafrollers lygus bugs plant bugs plum curculio San Jose scale (crawlers) stink bugs tarnished plant bugs twospotted spider mite yellow mite | 2.6 to 12.8 fl. oz per acre (0.04 to 0.2 lb ai per acre) 8.8 to 12.8 fl. | Application by ground: Apply as a dilute (minimum of 200 gallons of finished spray per acre) or concentrate (minimum of 50 gallons of finished spray per acre) spray in sufficient water to provide thorough coverage. Application by air: Apply the specified rate in a minimum of 10 gallons per acre by air. Do not apply more than 0.5 lb. ai per acre per season with no more than 0.45 lb. active per acre applied after petal fall. Apply as necessary to maintain control using a minimum of 30 day spray interval. |
| | oz per acre (0.06 to 0.2 lb ai per acre) | Do not graze livestock in treated orchards or cut treated cover crops for feed. |
| European red mite | 5.12 to 12.8 fl. oz per acre (0.08 to 0.2 lb ai per acre) | Do not apply within 14 days of harvest. |

PEPPERS, BELL AND NON-BELL

| DECT | DATE | REMARKS AND RESTRICTIONS |
|------|------|--------------------------|
| PESI | | REMARKS AND RESTRICTIONS |
| 1 | | |
| | | |

| armyworms corn earworm cucumber beetles cutworms European corn borer flea beetles leafminers loopers pepper weevil thrips whitefly | 2.1 to 6.4 fl. oz per acre (0.033 to 0.1 lb ai per acre) | Apply using sufficient water to obtain uniform coverage. Apply as needed. Apply with ground equipment using a minimum of 10 gallons of finished spray per acre or a minimum of 2 gallons per acre by aircraft. Do not make applications less than 7 days apart. Do not apply more than 0.20 lb. a.i. per acre per season. |
|--|---|---|
| broad mite carmine mite lygus bugs. twospotted spider mite | 5.12 to 6.4 fl. oz per acre (0.8 to 0.10 lb ai per acre) | Do not apply within 7 days of harvest. |

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SPINACH

| PESTS | RATE | REMARKS AND RESTRICTIONS |
|------------------------|-------------------|--|
| armyworms | 2.1 to 6.4 fl. oz | For control of whiteflies apply foliar |
| Colorado potato beetle | (0.033 to 0.10 | treatments of Tundra by ground or air at rates |
| corn earworm | lb. ai per acre | of up to 0.4 pt. (0.1 lb. ai) per acre at |
| cucumber beetles | | minimum 7-day intervals up to a maximum of |
| cutworms | | 4 applications. |
| European corn borer | | |
| flea beetles | | For control of fire ants apply Tundra EC to the |
| leafminers | | soil (at planting) or as a foliar treatment by |
| loopers | | ground or air at rates of up to 0.4 pt. (0.1 lb. |
| pepper weevil | | active) per acre at minimum 7-day intervals |
| tomato pinworm | | up to a maximum of 4 applications. |
| tomato hornworm | | |
| thrips | | Apply the specified dosage in 5-50 gallons of |
| whitefly | | finished spray per acre by air or 10-50 gallons |
| broad mite | 5.12 to 6.4 fl. | of finished spray per acre by ground. |
| Banks grass mite | oz (0.08 to | |
| carmine mite | 0.10 lb. ai per | Do not make applications less than 7 days |
| fire ants | acre | apart. |
| lygus bugs | | Do not apply more than 0.4 lb. ai per acre per |
| twospotted spider mite | | season. |
| Pacific spider mite | | · · |
| | | Do not apply within 40 days of harvest. |

SUCCULENT PEAS AND BEANS

| | DECT | |
|---|--------|--|
| | I FEGI | |
| 1 | | |
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| peas including: | flea beetle | 1.6 to 6.4 fl. oz |
|---------------------------------------|---------------------------------------|--------------------|
| dwarf pea | grasshoppers | per acre (0.025 |
| edible-pod | aster leafhopper | to 0.10 lb ai per |
| English pea | leafhoppers | acre) |
| garden pea | | |
| green pea | alfalfa caterpillar | 2.1 to 6.4 fl. oz |
| snow pea | aphids | per acre (0.033 |
| sugar snap | bean leaf beetle | to 0.10 lb ai per |
| pigeon pea | beet armyworm | acre) |
| beans (Phaseolus spp.) including: | cloverworm | |
| broadbean (succulent) | corn earworm | |
| lima bean (green) | com rootworm (adult) | |
| runner bean | cucumber beetles | |
| snap bean | cutworms | |
| wax bean | European corn borer | |
| bean (Vigna spp.) including: | fall armyworm | |
| asparagus bean | Japanese beetle (adult) | |
| blackeyed pea | loopers | |
| Chinese longbean | pea leaf weevil | |
| cowpeas | pea weevil | |
| moth bean | plant bug | |
| southern pea | sap beetle | |
| yardlong bean | southern armyworm | |
| jackbean | stink bugs | |
| soybean (immature seed) | tarnished plant bug | |
| sword bean | thrips | |
| | webworms | |
| | western bean cutworm | |
| | yellowstriped armyworm | |
| | whitefly | |
| | Winteny | |
| | Banks grass mite | 5.12 to 6.4 fl. oz |
| 1 | carmine mite | per acre (0.08 |
| | lygus spp. | to 0.10 lb ai per |
| | twospotted | acre) |
| | spider mite | |
| REMARKS AND RESTRICTIONS | · · · · · · · · · · · · · · · · · · · | |
| Apply in a minimum of 2 gallons of f | inished spray per acre by air or in a | minimum of 10 |
| gallons per acre with ground equipm | nent. When applying by air, 1-2 qua | irts of emulsified |
| oil may be substituted for 1-2 quarts | | |
| is essential to achieve control. | | |
| | | |

Do not apply more than 0.2 lb. a.i. (12.8 ounces formulated product) per acre per season.

Do not apply within 3 days of harvest.

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TOMATOES

| PEST | RATE | REMARKS AND RESTRICTIONS |
|--------|----------------|--|
| aphids | 2.1 to 5.2 fl. | Apply in water as necessary for insect |

| armyworms including: beet armyworm, southern yellowstriped armyworm bean leaf beetle cabbageworm carmine mite cloverworm cucumber beetles cutvorms diamondback moth European corn borer flea beetles flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pea keevil pickleworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug thripsoz per acre (0.033-0.08 lb ai per acre)control using a minimum of 15 gallons of finished spray per acre with ground equipment.orn rotworm curvers diamondback moth European corn borer flea beetles flea hopper grasshopperDo not make applications less than 10 days apart.Do not apply within 1 day of harvest.Do not apply within 1 day of harvest. | | | |
|---|-------------------------|-------|---------------------------------------|
| armyworm, southern yellowstriped armywormIb ai per acrei)equipment.bean leaf beetle cabbageworm carmine mite cloverworm corn rootworm cucumber beetles cutworms diamondback moth European corn borer flea beetles flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pea leaf weevil pea leaf weevil peatetle satt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bugIb ai per acre)equipment.Ib ai per acre)Ib ai per acre)Ponot make applications less than 10 days apart.Do not make applications may be applied per season.Do not apply within 1 day of harvest.Ib ai per acre)Do not apply within 1 day of harvest.Ib ai per acre)Do not apply within 1 day of harvest.Ib ai per acre)Do not apply within 1 day of harvest. | | 1 • | |
| yellowstriped armyworm bean leaf beetle cabbageworm carmine mite cloverworm cloverworm cucumber beetles cutworms diamondback moth European corn borer flea beetles flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs meionworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bugacre)Thorough coverage is essential to achieve control.achieve control.Do not make applications less than 10 days apart.Do not make applications may be applied per season.Do not apply within 1 day of harvest.Do not apply within 1 day of harvest.Dopers lygus bugs melonworm plant bug rindwormDo not apply within 1 day of harvest. | | 1 • | |
| bean leaf beetle cabbageworm carmine mite cloverwormThorough coverage is essential to achieve control.carmine mite cloverworm cloverworm cure anworm cure beetlesDo not make applications less than 10 days apart.corn rootworm cucumber beetles cutworms diamondback moth European corn borer flea beetles flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bugThorough coverage is essential to achieve control.corn rootworm cure and the section corn rootworm diamondback moth European corn borer flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm plant bug stink bug spp. tobacco budworm tarnished plant bugDo not apply within 1 day of harvest.best les flea hopper grasshopper Japanese beetle seedpod weevil squash bugs stink bug spp.Do not apply within 1 day of harvest. | · · · | | equipment. |
| cabbageworm carmine mite cloverworm corn rootworm cucumber beetles cutworms diamondback moth European corn borer flea beetles flea hopper Japanese beetle (adult) leafhoppers loopers lygus bugs meionworm pea weevil pea leaf weevil piant bug salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bugachieve control. Do not make applications less than 10 days apart.Do not make applications less than 10 days apart.A maximum of 4 applications may be applied per season.Do not apply within 1 day of harvest.Do not apply within 1 day of harvest.Do not apply within 1 day of harvest.Do not apply within 1 day of harvest. | | acre) | |
| carmine mite cloverworm corn earworm cucumber beetles cutworms diamondback moth European corn borer flea beetles flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm paa weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | | | |
| cloverworm corn earworm cucumber beetles cutworms diamondback moth European corn borer flea beetles flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | | | achieve control. |
| corn earwormdays apart.corn rootwormA maximum of 4 applications may be applied per season.cutwormsA maximum of 4 applications may be applied per season.diamondback mothDo not apply within 1 day of harvest.European corn borerDo not apply within 1 day of harvest.flea beetlesflea hopper grasshopper Japanese beetle (adult)leafhoppersIoopersloopersIygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindwormsalt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | carmine mite | | |
| corn rootwormcucumber beetlescutwormsdiamondback mothEuropean corn borerflea beetlesflea hoppergrasshopperJapanese beetle (adult)leafhopperslooperslygus bugsmelonwormpea weevilpea leaf weevilpicklewormplant bugrindwormsap beetleseedpod weevilsquash bugsstink bug spp.tobacco budwormtarnished plant bug | cloverworm | | Do not make applications less than 10 |
| cucumber beetlesA maximum of 4 applications may be applied per season.diamondback mothEuropean corn borerEuropean corn borerDo not apply within 1 day of harvest.flea beetlesflea hoppergrasshopperJapanese beetle (adult)leafhopperslooperslooperslygus bugsmelonwormpea leaf weevilpea leaf weevilpicklewormplant bugrindwormsalt marsh caterpillarsap beetleseedpod weevilsquash bugsstink bug spp.tobacco budwormtarnished plant bugint bug | corn earworm | | days apart. |
| cutwormsapplied per season.diamondback mothDo not apply within 1 day of harvest.European corn borerDo not apply within 1 day of harvest.flea beetlesflea hoppergrasshopperJapanese beetle (adult)leafhopperslooperslooperslooperslygus bugsmelonwormpea weevilpea leaf weevilpicklewormplant bugrindwormsalt marsh caterpillarsap beetleseedpod weevilsquash bugsstink bug spp.tobacco budwormtarnished plant bug | corn rootworm | | |
| diamondback moth European corn borer flea beetles flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | cucumber beetles | | A maximum of 4 applications may be |
| European corn borer flea beetles flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | cutworms | | applied per season. |
| flea beetles flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | diamondback moth | | |
| flea hopper grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | European corn borer | | Do not apply within 1 day of harvest. |
| grasshopper Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | flea beetles | | |
| Japanese beetle (adult) leafhoppers loopers lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | flea hopper | | |
| leafhoppers loopers lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | grasshopper | | |
| loopers lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | Japanese beetle (adult) | | |
| lygus bugs melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | leafhoppers | | |
| melonworm pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | loopers | | |
| pea weevil pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | lygus bugs | | |
| pea leaf weevil pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | melonworm | | |
| pickleworm plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | pea weevil | | |
| plant bug rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | pea leaf weevil | | |
| rindworm salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | pickleworm | | |
| salt marsh caterpillar sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | plant bug | | |
| sap beetle seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | rindworm | | |
| seedpod weevil squash bugs stink bug spp. tobacco budworm tarnished plant bug | salt marsh caterpillar | | |
| squash bugs stink bug spp. tobacco budworm tarnished plant bug | sap beetle | | |
| stink bug spp. tobacco budworm tarnished plant bug | seedpod weevil | | |
| tobacco budworm tarnished plant bug | squash bugs | | |
| tarnished plant bug | stink bug spp. | | |
| | tobacco budworm | | |
| thrips | tarnished plant bug | | |
| | thrips | | |
| two spotted spider mite | two spotted spider mite | | |
| whitefly | whitefly | | |

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