Restrict Use Pesticide
Due to acute oral, dermal and inhalation toxicity. For retail sale to and application only by certified applicators or personnel under their direct supervision.

Furadan® 4 F
Insecticide-Nematicide

Inert Ingredients:...............

U.S. Active Ingredient:...............

Precautionary Statements

Hazards to Humans (& Domestic Animals)

Danger:
Poisonous if swallowed or inhaled. May be fatal or harmful as a result of skin or eye contact or by breathing spray mist. Causes cholinesterase inhibition. Warning symptoms of poisoning include weakness, headache, sweating, nausea, vomiting, diarrhea, lightness in chest, blurred vision, pinpoint eye pupils, abnormal flow of saliva, abdominal cramps, and unconsciousness. Atropine sulfate is antidotal.

Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11. Wear goggles or face shield for eye protection when measuring or mixing. Wear long sleeved clothing and protective gloves when handling. Wash hands and face before eating or smoking. Bathe at the end of the work day. Change clothing daily and wash before reuse. Keep all unprotected persons out of the operating area or vicinity where there may be danger of drift.

For Emergency Assistance Call 716-735-3765.
See other panels for additional precautionary information.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. For waterfowl protection, do not apply immediately before or during irrigation, or on fields where waterfowl nesting areas, or on fields where waterfowl are known to be concentrated. Do not apply this product or allow it to drift to blooming crops or weeds if birds are visiting the treatment area. Potential information may be obtained from your Cooperative Agricultural Extension Service.

Carbofuran is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used as drinking water. Carbofuran has been found in ground water as a result of agricultural use. Users are advised not to apply carbofuran where the water table (ground water) is close to the surface and where the soils are very permeable, i.e., well drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

Directions for Use

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

Do not use this product on Long Island, N.Y. If prolonged intimate contact with corn and or sorghum foliage will result, do not re-enter treated fields within 14 days of application without wearing proper protective clothing. For all other situations, do not re-enter fields less than 24 hours following application.

STORAGE AND DISPOSAL

Pesticide Storage

Not for use or storage in or around the house.

Do not store below 35°F, (2 C).

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 concentrates or dry material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Conline spills. Call FMC collect: (716) 732-3761.

To contain spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse 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 at the nearest EPA Regional Office for guidance.

Container Disposal

Metal Containers: 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.

Plastic Containers: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Do not apply Furadan 4 F insecticide-nematicide through overhead irrigation systems.

Do not rotate to a succeeding crop other than alfalfa, corn (field, pop or sweet), cotton, cucurbits (cucumbers, melons, pumpkins or squash), grapes, peanuts, peppers, potatoes, rice, small grains (barley, oats, wheat), sorghum, soybeans, strawberries, sugar beets, sugarcane and tobacco. Tomatoes, cabbage, peaches, succulent beans and dry beans may be planted the following season provided the prior season's application did not exceed 8.7 lbs. per acre of Furadan 15 G. 13 lbs. per acre of Furadan 10 G or 2 pints 10 fluid ounces of Furadan 4 F. Any other crop may be planted if it is not harvested or grazed.

Alfalfa: Alfalfa Weevil Larvae, Egyptian Alfalfa Weevil, Pea Aphid, and in N.Y. State for Snout Beetle control—Apply the amount of Furadan 4 F, indicated in the chart, when feeding is noticed or when insects appear. Alfalfa Weevil Adult—Apply 1 to 2 pints per acre when insects appear. Alfalfa Blotch Leafminer (Northeastern States only) and Potato Leetchopper—Apply 1 to 2 pints per acre when insects appear. Lygus Bugs—Apply 2 pints per acre prior to bloom. Grasshoppers—Apply 1 1/2 to 2 pints per acre when grasshopper feeding is noticed. For control of Blue Alfalfa Aphid (nympha and wingless adults)—Apply Furadan 4 F at 1/2 to 1 pint per acre when insects appear. Do not apply more than twice in season. Do not apply more than once per cutting. Do not use more than 1 pint per acre in the second cutting. Do not apply more than 2 pints per acre in the third cutting. When used on alfalfa, use only on fields planted to pure stands of alfalfa. Do not move bees to treated fields within 7 days of application. Observe the indicated number of days after application before cutting or grazing.

<table>
<thead>
<tr>
<th>Pints of Furadan 4 F</th>
<th>Per Acre</th>
<th>Do not cut or graze within</th>
<th>Days</th>
</tr>
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<tbody>
<tr>
<td>1/2</td>
<td>1</td>
<td>7 days</td>
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<tr>
<td>1</td>
<td>14 days</td>
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<tr>
<td>2</td>
<td>28 days</td>
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Minimum gallonage requirements. Ten gallons of finished spray per acre with ground equipment, two gallons per acre with aircraft, except Blue Alfalfa Aphid use 30 gallons; of finished spray per acre with ground equipment, 5 gallons per acre with aircraft.

For waterfowl protection do not apply on fields in proximity of waterfowl nesting areas and or fields where waterfowl are known to repeatedly feed.

Cotton: Thrips—Use Furadan 4 F at 2.5 fluid ounces per 1,000 linear feet of row (1 quart per acre) in the seed furrow at planting. Furadan 4 F may be mixed with water or liquid fertilizer. When Furadan 4 F is used with liquid fertilizers, premix one part of Furadan 4 F with two parts of water. Check physical compatibility before mixing liquid fertilizers. Add this premix to the tank of fertilizer along with the rinsings from the premixing container. Maintain agitation in the tank after mixing and during application. Do not mix until ready to use. Do not feed cotton forage.

Field Corn, Popcorn, Sweet Corn—At Planting: Corn Rootworms, Flea Beetles aren't to go in the control of first generation European Corn Borer—Use 2.5 fluid ounces of Furadan 4 F per 1,000 linear feet of row (1 quart per acre with 46 inch row spacing). Apply at plow trip, as a 7 inch band over the row or inject on each side of the row with mixing with water or liquid fertilizers.

Southern Corn Rootworm, Flea Beetles, Seed Corn Maggot, Wireworms, and to aid in the control of first generation European Corn Borer and Armyworm for approximately 4 to 5 weeks after planting—Use 2.5 fluid ounces of Furadan 4 F per 1,000 linear feet of row (1 quart per acre with 40 inch row spacing). Apply at planting directly into the seed furrow.

Furadan 4 F may be mixed with water or liquid fertilizers. If Furadan 4 F is used with liquid fertilizers, premix one part of Furadan 4 F with two parts of water. Check physical compatibility before mixing large quantities. Add this premix to the tank of fertilizer along with the rinsings from the premixing container. Maintain agitation in the tank at mixing and during application. Do not mix until ready to use. Do not feed forage within 30 days of last application.

Field Corn, Popcorn—Post Plant: Corn rootworms (northern, southwestern)—Use 2.5 fluid ounces of Furadan 4 F per 1,000 linear feet of row (1 quart per acre with 40 inch row spacing). Apply as a post emergent spray by banding over the row, or by side dressing or basal spraying both sides of the row after corn emerges. Control will generally be improved if the treatment is cultivated into the soil. Do not feed forage within 30 days of last application.

Field Corn—Foliar Application

European Corn Borer—Use 1 1/2 to 2 pints of Furadan 4 F per acre as a foliar spray when corn borer eggs begin to hatch. Use the higher rate for heavier pest infestations. For treatment with aerial equipment, apply as a broadcast spray using a minimum of 1 gallon of finished spray per acre. For treatment with ground equipment, direct the spray into the corn whorl for first brood and into the ear zone for second brood, using a minimum of 10 gallons of finished spray per acre. Repeat if necessary. Observe all precautions listed below.

Southwestern Corn Borer—Use Furadan 4 F at 1 to 2 pints per acre as a foliar spray when eggs begin to hatch. Rate used will depend on desired residual activity. If infestation continues, retreat in 7 days after a 1 pint application and within 14 days after a 2 pint application. Apply in sufficient water for thorough coverage using a minimum of 1 gallon of finished spray per acre with air equipment or 10 gallons of finished spray per acre with ground equipment. Observe all precautions listed below.

Banks Grass Mites (suppression)—Furadan 4 F when applied at 2 pints per acre for the control of European or Southwestern Corn Borers will also suppress Banks Grass Mites.

Grasshoppers—Use Furadan 4 F as a foliar spray at 1/2 to 1 pint per acre when insects appear or feeding is noticed.

—Use the 1/2 pint rate under light to moderate population levels (0 to 10 grasshoppers per sq. ft.)
—Use the 1/2 pint rate under moderate to severe population levels (10 or more grasshoppers per sq. yd.)

Apply in sufficient water for thorough coverage using a minimum of 2 gallons of finished spray per acre with air equipment or 10 gallons of finished spray per acre with ground equipment. Observe all precautions listed below.

Do not make more than two applications per season at the 1/2 to 1 pint per acre rate. Do not make more than one application per season at the 1 pint per acre rate. Do not feed. Do not cut or harvest within 4 days of last application.

Do not apply on seed corn less than 14 days prior to delasching or delasching. If prolonged intimate contact will result, do not apply on the treated field within 14 days of application without wearing proper protective clothing.

Sweet Corn—Foliar Application (Machine Harvested Only): European Corn Borer—For control of second generation borers apply 1 pint of Furadan 4 F per acre. Make first application just prior to first silking and repeated at weekly intervals. Do not make more than four (4) applications per season. Do not apply within seven (7) days of harvest.
prolonged, intimate contact will result, do not re-enter treated field within 14 days of application without wearing proper protective clothing. Do not graze or walk in treated field within 21 days of application.

Do not make a foliar application if more than 1 oz. of Furadan 10 G per 1,000 linear feet of row (10 lbs. per acre with 40" row spacing) or 2 oz. of Furadan 15 G per 1,000 linear feet of row (6.7 lbs. per acre with 40" row spacing) or 2.5 fluid ounces of Furadan 4 F per 1,000 linear feet of row (1 quart per acre with 40 inch row spacing) were used in an at planting application.

Maximum gallonage requirements: 10 gallons of finished spray per acre with ground equipment per 100 acres per application per aircraft.

**Grapes** (For use in California): For control of Nematodes (Root-Knot and Dagger) apply Furadan 4 F insecticide-nematicide at 2½ gallons per acre as a broadcast treatment only, to the soil surface between the vine rows and immediately incorporate by mechanical means. Do not apply within in 300 days of harvest. Remove all treated ground prior to treatment. Do not use on soils of pH 8.0 or greater. Repeat as necessary but do not make more than one application per crop year.

Wear protective clothing including rubber gloves and impervious foot covering at time of application.

**Pine Seedlings**: Poles Weevil and Pitch-Eating Weevil in pine plantations—Apply a 1% (W/V) active Furadan clay slurry (see following for preparation) to the roots of pine seedlings prior to transplanting. Treat seedlings by dipping roots or use any other suitable means which allows thorough coating. Keep roots moist until transplanted. Prepare the slurry at 2 to 3.5 gallons per 100 lbs. of Furadan 4 F granular material or 2.5 gallons per acre. Mix thoroughly. Add 2 pounds of pulverized kezin clay (pH 4.5) to this suspension. Mix thoroughly. This is sufficient to treat the roots of 50 to 200 seedlings. Adequate ventilation is required for indoor treatments. Do not apply Furadan to unplanted pine seedlings at any time. Users should avoid contamination of the inside of the gloves. If contamination of the inside of the gloves is suspected, the gloves should be immediately discarded.

**Potatoes**: Potato Tuberworm (Virginia only); Colorado Potato Beetle-Use Furadan 4 F at 1¼ to 1½ pint per acre when insects appear. Treat potatoes—Use Furadan 4 F at 1¼ to 1½ pint per acre. Sunflower Beetle—Use Furadan 4 F at ½ to 1½ pint per acre. Apply as a spray when insects appear.

**Tobacco—Burley**: Flea Beetles—Use 1 gallon of Furadan 4 F per acre. Broadcast spray over the soil surface prior to transplanting and incorporate into the top 3 inches of soil with a suitable device.

**Tobacco—Flue-Cured**: Flea Beetles, Wireworms, and to aid in the control of Budworms and Root-Knot Nematodes—Use 1½ gallons of Furadan 4 F per acre—OP—Use 1 gallon of Furadan 4 F per acre for control of Flea Beetles only. Apply as a broadcast spray over the soil surface prior to forming beds. Incorporate into the top 3 inches of soil. Form beds and plant as usual. This product may induce flecking of the bottom or lower leaves.

**Dealers Should Sell In Original Packaging Only.**

**Terms of Sale or Use**: On purchase of this product buyer and user agree to the following conditions:

**Warranty**: FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Directions and Recommendations**: Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by buyer at his own risk.

**Use of Product**: FMC’s recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, if made as to the results to be obtained if not used in accordance with directions or established safe practice.

**Damages**: Buyer’s or user’s exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

**Sunflowers (Confectionary and Oil)—At Planting**

Sunflower Stem Weevil, Sunflower Beetle, Grasshoppers—Use 2.5 to 5.0 fluid ounces of Furadan 4 F per 1,000 linear feet of row (1.4 to 2.8 quarts per acre with 30 inch row spacing). Apply directly into the seed furrow—OP—Apply in a 7 inch band. Furadan 4 F may be mixed with water or liquid fertilizer. When Furadan 4 F is used with liquid fertilizers, premix one part of Furadan 4 F with two parts of water. Check physical compatibility before mixing large quantities. Add this premix to the tank of liquid fertilizer or liquid fertilizer tank and agitate until thoroughly mixed. Maintain agitation in the tank after mixing and during application. Do not mix until ready to use.

Use the higher rate when heavier insect infestations are anticipated.

**Sunflowers (Confectionary and Oil)—Foliar Application**

Sunflower Moth, Banded Sunflower Moth, Stem Weevils, Seed Weevil—Use Furadan 4 F at 1 pint per acre. Grasshoppers—Use Furadan 4 F at ¼ to ½ pint per acre. Sunflower Beetle—Use Furadan 4 F at ½ to ¾ pint per acre. Apply as a foliar spray when insects appear. When a rate range is indicated, use higher rate for heavier insect infestations. Repeat applications as necessary but not more than four times per season. Apply a minimum of two gallons of finished spray per acre with aircraft and 10 gallons by ground equipment. If prolonged, intimate contact will result, do not re-enter treated field within 14 days of application without wearing proper protective clothing. Do not harvest crop within 28 days of last application.

**Tobacco—Burley**: Flea Beetles—Use 1 gallon of Furadan 4 F per acre. Apply as a broadcast spray over the soil surface prior to transplanting and incorporate into the top 3 inches of soil with a suitable device.

**Tobacco—Flue-Cured**: Flea Beetles, Wireworms, and to aid in the control of Budworms and Root-Knot Nematodes—Use 1½ gallons of Furadan 4 F per acre—OP—Use 1 gallon of Furadan 4 F per acre for control of Flea Beetles only. Apply as a broadcast spray over the soil surface prior to forming beds. Incorporate into the top 3 inches of soil. Form beds and plant as usual. This product may induce flecking of the bottom or lower leaves.

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