

Code 2834

Lbs. Net Weight

# Furadan® 10 G Insecticide—Nematicide

For Agricultural or Commercial Use Only

EPA Reg No 279-2712 AA      EPA Est. 279

Active Ingredient:	By Wt.
*Carbofuran .....	10.0%
Inert Ingredients .....	90.0%
	100.0%

\*2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate  
Furadan®—FMC Trademark U.S. Patent No. 3,474,171

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

### Statement of Practical Treatment

If **swallowed**, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

If in **eyes**, flush with plenty of water for at least 15 minutes. Get medical attention.

### Antidote

**Note to Physician:** Furadan is a reversible cholinesterase inhibitor. Do not use oximes such as 2-PAM. Start by giving 2 mg atropine intramuscularly. According to clinical response, continue until signs of atropinization occur (dry mouth or dilated pupils). If in eye, instill one drop of homatropine.

For Emergency Assistance Call 716-735-3765.

See Other Panels for Additional Precautionary Information.



FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia Pennsylvania 19103

PA 5/82  
(1/20/82-A)

PA 11/82

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Handwritten notes and stamps, including the number 279 2712.

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans (& Domestic Animals)**

**Warning**

May be fatal if swallowed or absorbed through eyes. Do not get in eyes or on clothing. Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

**Environmental Hazards**

This pesticide is toxic to fish and wildlife. Use with care when applying in areas frequented by wildlife or adjacent to any body of water. Birds feeding on treated areas may be killed. Keep out of lakes, ponds or streams. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or incorporate granules which are spilled during loading and which are visible on soil surfaces in farm areas.

**Notice:** It is a Federal offense to use any pesticide in a manner that results in the death of a member of an endangered species.

The use of Furadan 10 G may pose a hazard to the following Federally designated endangered/threatened species known to be found in certain areas within the named locations:

**Allwater's Greater Prairie Chicken**—Texas counties including Aransas, Austin, Brazoria, Colorado, Galveston, Goliad, Harris, Refugio and Victoria.

**Aleutian Canada Goose**—California counties including Colusa, Morced, Stanislaus and Sutter.

**Kern Primrose Sphinx Moth**—Walker Basin of Kern County, California.

This product may not be used in areas where adverse impact on the Federally designated endangered/threatened species noted above is likely. Prior to making applications, the user of this product must determine that no such species are located in or immediately adjacent to the area to be treated. If the user is in doubt whether or not the above named endangered species may be affected, he should contact either the regional U.S. Fish and Wildlife Service office (Endangered Species Specialist) or personnel of the State Fish and Game office.

**DIRECTIONS FOR USE**

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

**Storage and Disposal**

Do not contaminate water, food or feed by storage or disposal of cleaning of equipment. Open dumping is prohibited. Pesticide spray mixture or rinsate that cannot be used according to label directions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act. Do not reuse empty containers. Dispose of them according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act.

**Use Caution**

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, sugarcane, sugarcane and tobacco. Tomatoes, cabbage, peas, succulent beans and dry beans may be planted the following season provided the prior season's application did not exceed 8.7 lb/A of Furadan 15 Granules, 13 lbs/A of Furadan 10 Granules or 2 pt. 10 fl. oz. of Furadan 4 Flowable. Any other crop may be planted if it is not harvested or grazed.

**Field Corn, Popcorn—Conventional, Minimum & No Tillage**

Corn Rootworms (Northern, Southern & Western), Flea Beetles and in the control of first generation European Corn Borer, reduce losses due to Stalk Rot by reducing the incidence of insect wounds which permit entry by the Stalk Rot Fungi. Armyworm control for approximately 4 to 6 weeks after planting—Use 12 ounces of Furadan 10

G per 1,000 linear feet of row (15 to 20 lbs. per acre with 40 inch spacing). Early seedling control of European Corn Borer, Flea Beetles, and in the control of Stalk Rot—Use 12 to 24 ounces per 1,000 linear feet of row (15 to 20 lbs. per acre with 40 inch row spacing).

Apply in a 7 inch band at end of the row length, where the insecticide is to be applied, into the top 3 inches of soil by using a granular applicator, or by dragging a short length of chain behind the planter, or by using a planter shoe with the seed. (Granules are applied directly into the furrow behind the planter shoe so that the granules drop into the furrow with the covering soil).

For control of European Corn Borer, Flea Beetles, and in the control of Stalk Rot and in the control of first generation European Corn Borer (Colorado and Wyoming)—Use 12 to 24 ounces per 1,000 linear feet of row (10 to 20 lbs. per acre with 40 inch row spacing). Apply with a granular applicator as above in a covered band or in the seed furrow.

European Corn Borer, Flea Beetles, and in the control of Stalk Rot—Use 12 to 24 ounces per 1,000 linear feet of row (10 to 20 lbs. per acre with 40 inch row spacing) at planting, as above, in a covered band or in the seed furrow.

Southwestern Corn Borer (second to third generation)—Use 12 to 24 ounces per 1,000 linear feet of row (10 to 20 lbs. per acre with 40 inch row spacing). Southern Corn Rootworm (first generation)—Use 12 to 24 ounces per 1,000 linear feet of row (10 to 20 lbs. per acre with 40 inch row spacing). Aid in the control of Leafhoppers, and thereby reduce losses due to Maize Chlorotic Dwarf Virus and Corn stunt diseases—Use 12 to 24 ounces per 1,000 linear feet of row (10 to 20 lbs. per acre with 40 inch row spacing). Apply into the seed furrow as noted above.

Nematode (Giant, Giant Stubby Root, Root Knot, Root Lesion, Lance, and Spiral)—Use 18-24 ounces per 1,000 linear feet of row (15-20 lbs. per acre with 40 inch row spacing). Apply at planting time in a 7 to 15 inch band and incorporate into the top 3 inches of soil.

**Field Corn, Popcorn—Post Plant**

Northern & Western Corn Rootworm (second to third generation)—Use 12 to 24 ounces per 1,000 linear feet of row (10 to 20 lbs. per acre with 40 inch row spacing) per acre by banding over the row, 7 to 15 inches from both sides of the row and cultivating into the soil.

**Field Corn—Foliar Application**

Southwestern Corn Borer (second to third generation)—Use 12 to 24 ounces per 1,000 linear feet of row (10 to 20 lbs. per acre with 40 inch row spacing). European Corn Borer (Colorado and Wyoming)—Use 10 lbs. per acre. Apply with a small hand sprayer over the corn plants or with ground equipment by one of the following methods: Apply into the corn whorls. Apply when eggs begin to hatch. Do not make a foliar application if Furadan 10 G were applied at planting time. Use 12 ounces per 1,000 linear feet of row (10 lbs. per acre with 40 inch row spacing) at planting. Do not make foliar application after the first true leaf appears per season.

**Corn Application Rates**

When the granular applicator is used, the rate of application is 12 to 24 ounces per 1,000 linear feet of row (10 to 20 lbs. per acre with 40 inch row spacing). The rate of application will vary depending on the soil type and the moisture content of the soil. Furadan 10 G is a granular material.

**Row Spacing**

Furadan 10 G is a granular material. The rate of application is 12 to 24 ounces per 1,000 linear feet of row (10 to 20 lbs. per acre with 40 inch row spacing).

**Corn Insecticide Applicator Settings**

Furadan 10 G is a dense, free-flowing insecticide. The applicator equipment calibration to apply the recommended amount of insecticide is important. Always calibrate your planter at the speed which you will be using during the planting operation. The following are approximate application rates for granular material.

Applicator Gauge Setting	Application Rate
10 lbs. A	10 lbs. A
15 lbs. A	15 lbs. A
20 lbs. A	20 lbs. A
25 lbs. A	25 lbs. A
30 lbs. A	30 lbs. A
35 lbs. A	35 lbs. A
40 lbs. A	40 lbs. A
45 lbs. A	45 lbs. A
50 lbs. A	50 lbs. A
55 lbs. A	55 lbs. A
60 lbs. A	60 lbs. A
65 lbs. A	65 lbs. A
70 lbs. A	70 lbs. A
75 lbs. A	75 lbs. A
80 lbs. A	80 lbs. A
85 lbs. A	85 lbs. A
90 lbs. A	90 lbs. A
95 lbs. A	95 lbs. A
100 lbs. A	100 lbs. A

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Application Rate	Applicator Gauge Setting								
	10 lbs /A			15 lbs /A			20 lbs /A		
Planter Speed (MPH)	4	6	8	4	6	8	4	6	8
<b>Gandy 901 Series</b>									
Snap on	18	21	24	21	26	29	24	29	34
Bolt on	17	21	24	21	26	30	24	30	34
<b>IHC Cyclo Planter</b>									
Gate	1	1	2	1	2	3	2	3	3
Dial	6	9	4	9	6	3	4	3	2
<b>John Deere</b>									
<b>Max Emerge</b> (even numbered notches—0-10-20- 30-40)	11	14	17	14	19	22	17	22	26
<b>Max Emerge</b> (odd numbered notches—5-15-25- 35-45)	13	19	24	19	26	31	24	31	35
<b>John Deere</b>									
Range	1	1	2	2	2	2	2	2	3
Notch	26	33	10	1	12	24	8	24	6
<b>Noble</b>									
Round Opening	8	11	13	11	15	18	13	18	23
Rectangular Opening	11	15	20	15	22	27	20	27	33

#### Colton

**Thrips**—Use Furadan 10 G at 10 pounds per acre (40 inch row spacing), 12 ounces per 1000 linear feet. Apply in the seed furrow at planting. Do not feed cotton forage.

#### Cucurbits (Cucumber, Melons, Squash, Pumpkins)

**Nematodes (Root-Knot, Sting, Lance)**—For use in Southeastern States—Use Furadan 10 G at the rate of 2½ pounds per 1000 linear feet of row (20 pounds per acre based on 60 inch row spacing). Apply in a 12 to 15 inch band and incorporate into the top 3 inches of soil.

#### Grapes (For use in California)

For control of Grape Phylloxera (light to moderate infestations) and Nematodes—Broadcast Furadan 10 G at 100 pounds per acre over the soil surface between the vine rows and immediately incorporate. Apply after harvest but before February. Remove dense weed growth prior to treatments. Do not use on soils of pH 8.0 or greater. Retreat biannually (every other year) or when a buildup of phylloxera on roots causes a loss in vine productivity.

#### Peanuts

Do not feed treated peanut forage to dairy animals or animals being finished for slaughter.

#### In-furrow at planting application method.

**Thrips, Potato Leafhopper and as an aid in the control of Southern Corn Rootworm in Southeastern States**—Use in furrow at planting, 5 to 10 lbs per acre (36 inch row spacing), 7½ to 15 lb per 1000 linear feet of row.

#### Row banding application method

**Nematodes (Root Knot, Sting, Stunt, Lesion, Ring) in Southeastern States and in the Southwestern States of Texas and Oklahoma, and in the Southeastern States to aid in the control of Potato Leafhopper and Southern Corn Rootworm and for control of Thrips**—Apply Furadan 10 G in a band over the row prior to planting and incorporate 3 inches into the soil. Use the rate indicated below for various band widths. Additional control measures may be needed late in the season for Potato Leafhopper.

Band Width	Rate/Acre (36 inch rows)	Rate/1000 linear feet
12 inches	20 to 40 lbs	1½ to 2½ lbs
18 inches	30 to 50 lbs	2 to 3½ lbs

#### Banded Pegging—Time Application Method

For control of Southern Corn Rootworm in the Southeastern States. Use Furadan 10 G at 11 to 22 ounces per 1000 linear feet (10-20 pounds per acre with 36 inch row spacing). Apply on a 14 to 18 inch

band over the row when pegs begin to form or up to 16 days after pegging begins (approximately 60 to 90 days after planting). Do not apply granules immediately if any growth permits. Do not apply Furadan 10 G at pegging if Furadan 10 G was used at a rate of 10 lbs per

#### Peppers

**Green Peach Aphid, Dermalva, European Corn Borer**—Make two applications of Furadan 10 G, the second application on either one or both sides of the row. Make the first application two to four weeks after planting. The second application is required to be made two to four weeks after the first application. Use 2½ lbs of Furadan 10 G per 1000 linear feet with 36 inch row spacing. Do not make the second application within 30 days of harvest.

#### Potatoes

**Colorado Potato Beetle, European Corn Borer, Potato Leafhopper, Potato Leafhopper, Tuber Flea Beetle, Green Peach Aphid, Western and Northeastern states including the Delmarva Peninsula, Potato Tuberworm (Virginia only)** and to aid in the control of Wireworms—Use 2½ lbs of Furadan 10 G per 1000 linear feet of row (20 lbs per acre 36-inch row spacing). Apply directly to the bottom of the furrow during the planting operation.

#### Sorghum

**Chinch Bug, Greenbug**—Use only on grain sorghum or sorghum grown for forage. Do not graze or harvest sorghum grown for forage within 75 days of application.

**For Greenbug**—Use 9 to 12 ounces of Furadan 10 G per 1000 linear feet of row (7.5 to 10 lbs per acre with 40 inch row spacing) applied directly into the seed furrow—OR—Use 12 ounces of Furadan 10 G per 1000 linear feet of row applied in a 7 inch band over the row and incorporate the granules into the top 1 inch of soil by using a press wheel, dragging a short length of chain over the top of the row.

**For Chinch Bug**—Use 12 ounces of Furadan 10 G per 1000 linear feet of row. Apply at planting as noted above.

Equivalent pounds of Furadan 10 G per acre for various row spacings are as follows:

	Amount of Furadan 10G per 1000 Linear Feet of Row	Pounds of Furadan 10 G per Acre for Various Row Spacings			
		40	36	34	30
In Furrow	9 Ounces	7½	8½	9	10
	12 Ounces	10	11	11.5	13
7" Band	12 Ounces	10	11	11.5	13

#### Soybean

**Nematodes (Hooknot, cyst, stunt ring, sting spiral, root, wire, dagger, stubby-root)**—Use Furadan 10 G at 18-24 ounces per 1000 linear feet (equivalent to an application of 15-20 lbs/acre on a 40-inch row spacing) at planting in a 7-inch band and mix with the covering soil.

—OR—

Apply Furadan 10 G at 18 ounces/1000 linear feet (equivalent to an application of 15 lbs/acre on a 40 inch row spacing). Apply at planting by directing the granules into the planter shoe with the applicator tube directly behind the planter shoe so that the granules drop into the furrow and mix with the covering soil.

**Mexican Bean Beetle (larvae)**—Use Furadan 10 G at 18 ounces per 1000 linear feet (equivalent to 15 lbs/acre on a 40-inch row spacing) at planting in a 7-inch band and mix with the covering soil.

—OR—

Apply Furadan 10 G at 12-18 ounces/1000 linear feet (equivalent to an application of 10-15 lbs/acre on a 40-inch row spacing) at planting by directing the granules into the planter shoe with the applicator tube directly behind the planter shoe so that the granules drop into the furrow and mix with the covering soil.

**Sugar Beets**

**Sugar Beet Root Maggot**--Use 20 lbs of Furadan 10 G to 23,750 linear feet of row or 4 ounces per 300 feet (equivalent to 1 acre using 22 inch row spacing) Apply granules in a 6 to 7 inch band and incorporate into the top 1 inch of soil using a suitable device

**Sugarcane**

Apply Furadan 10 G at the rate of 2½ to 5 lbs per 1000 linear feet of row (equivalent to 20 to 40 lbs per acre based on 60 inch row spacings) Do not use in Hawaii

**Plant cane**

**Nematodes (Root Knot & Stunt), Wireworm** - Apply the above rate as a 15 inch band directly over the planted cane and cover with soil

**Stubblecane**

**Wireworm (Florida only), Nematodes (Root Knot & Stunt)**-- Apply the above rate as a 15 inch band over the stubble row Use anytime after harvest until regrowth reaches 18 inches Cover with a 1 to 2 inch layer of soil Covering with more than 2 inches of soil may reduce stand

**TOBACCO - All Types Except Flue-Cured**

For control of Flea Beetles, Hornworms and to aid in the control of Budworms - use Furadan 10G at 60 pounds per acre. Broadcast granules over the soil surface prior to transplanting and incorporate into the top 3 inches with a suitable device.

For full season control of Flea Beetles only - use Furadan 10G at 30-40 pounds per acre - OR - for full season control of Flea Beetles and approximately 60 days control of Hornworms - use Furadan 10G at 40 pounds per acre. Apply broadcast as noted above.

**TOBACCO - Flue-Cured**

For control of Stunt Nematodes, Flea Beetles, Hornworms, Wireworms and to aid in the control of Root Knot Nematodes and Budworms - use Furadan 10G at 60 pounds per acre. Broadcast granules over the soil surface prior to transplanting and incorporate into the top 3 inches with a suitable device. Form beds and plant as usual. This product may induce flecking of the bottom or lower leaves.

For full season control of Flea Beetles and approximately 60 days control of Hornworms - use Furadan 10G at 40 pounds per acre. Apply broadcast as noted above. No leaf flecking caution listed above.

**Cottonwood**

Cottonwood Twig Borer, Cottonwood Leaf Beetle, Clearwing Borer  
**In Commercial plantations** use 10 to 20 lbs. per acre (12 ft. row spacing) or 2 1/2 to 5 1/2 lbs. per 1000 linear feet of row. Apply during June to July to the root zone of the cutting by the use of a granular applicator as a side-dress 10 to 12 inches from the trees in a continuous band on both sides of the trees. **In Nursery plantings** use 40 lbs. per acre (40 inch row spacing) or 3 lbs. per 1000 linear feet of row. Apply during May or June to the root zone of the cutting side-dressing 10 to 12 inches from the trees in a continuous band on both sides of the trees.

**Pine Seedlings**

**Pales Weevil and Pitch-Eating Weevil control in pine plantations**—Use 10 grams (1 teaspoon) per seedling at transplanting. Distribute the granules in a 6 inch radius on the soil around each seedling. Cover granules with soil. Do not use at planting if seedlings were treated with Furadan 4 F slurry root dip.

**Southern Pine Seed Orchards**

**Seedbugs, Coneworms, Coneborers**—Use 4 to 8 ounces per inch of tree diameter. **Cone Beetles**—Use 8 ounces per inch of tree diameter. Broadcast within the drip area of the tree and incorporate with a suitable device. Make one (1) application in winter or early spring. Do not graze or feed orchard plants or plant parts.

**Siberian Elm**

**Elm Leaf Beetle control by commercial applicators only and in the States of Colorado, Nebraska, Kansas, New Mexico, Arizona, Utah and Wyoming only**—Apply Furadan 10 G, before insects appear in the spring, at the rate of 1/2 ounce per inch of trunk circumference. Measure the circumference (girth) of the tree 3 to 4 feet above the ground. Dig one hole for each inch of girth, 3 to 9 inches deep under the drip line of the tree. Thoroughly soak area under the tree. Place granules required in each hole. Replace soil plug immediately and compress soil. Keep treated areas soaked with water for 14 days.

If Girth of tree is	Locate Holes away from trunk	Amount of Furadan 10 G
1 to 10 inches	1 ft	0.5 to 5 ounces
14 to 20 inches	3 ft	7 to 10 ounces
24 to 30 inches	6 ft & 12 ft (alternating)	12 to 20 ounces
44 to 60 inches	10 ft & 12 ft (alternating)	22 to 40 ounces
80 inches and larger	12 ft & 20 ft (alternating)	40 ounces

**Dealers Should Sell in Original Packages 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/or handling and/or storage of the 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, is made as to the effects, or 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.

Mr. Dave Pincus  
FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia, PA 19103

Dear Mr. Pincus:

Subject: Furadan 10G Insecticide/Nematicide  
EPA Registration No. 279-2712  
Your Application Dated December 22, 1982

The labeling referred to above, submitted in connection with  
registration under the Federal Insecticide, Fungicide and Rodenticide Act,  
as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

Jay S. Ellenberger  
Product Manager (12)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

TS-767:Ellenberger:DCR-28907:WANG-3555C:KIM:Paven:479-2013:4/5/83

CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							