

Code 3669

Lbs. Net Weight

Furadan® 15 G

Insecticide-Nematicide

For Agricultural or Commercial Use Only

EPA Reg. No. 279-3023

EPA Est. 279-

Active Ingredient:	
*Carbofuran	15.0%
Inert Ingredients:	85.0%
	<hr/>
	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.

If on skin, wash with soap and water.

Antidote

Note to Physician: Furadan (Carbofuran) 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

FMC Corporation
Agricultural Chemical Group
2000 Market Street
Philadelphia Pennsylvania 19103

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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. Cover or incorporate granules which are spilled during loading and which are visible on soil surfaces in turn 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 15 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, Merced, Stanislaus and Butler.

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, disposal or 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 container. Dispose of bags 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, sugarbeets, 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 G, 13 lbs/A of Furadan 10 G or 2 pt. 10 fl. oz. of Furadan 4 F. Any other crop may be planted if it is not harvested or grazed.

Field Corn, Popcorn--Conventional, Minimum & No Tillage

Corn Rootworms (Northern, Southern, and Western), Flea Beetles, aid 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 Fungus, Armyworm control for approximately 4 to 6 weeks after planting. Use 8 ounces of Furadan 15 G per 1,000 linear feet of row (6.7 lbs. per acre with 40 inch row spacing). Early season suppression of Common Stalk Borer--Use 16-24 ounces per 1,000 linear feet of row (13.3-20 lbs. per acre with 40 inch row spacing). Apply in a 7 inch band ahead of the planter press wheel and incorporate into the top 1 inch of soil by use of special covering devices or by dragging a short length of chain. --OR-- Direct the granules into the planter shoe with the seed. --OR-- Place the applicator tube directly behind the planter shoe so that the granules drop into the furrow and mix with the covering soil.

Lesion Nematodes (Northeast and Midwest Corn States including Colorado and Wyoming)--Use 8-16 ounces per 1,000 linear feet of row (6.7-13.3 lbs. per acre with 40 inch row spacing). Apply "at planting" as above (in a covered band or in the seed furrow).

European Corn Borer (first generation), Wireworm--Use 16-24 ounces per 1,000 linear feet of row (13.3-20 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 12-24 ounces per 1,000 linear feet of row (10-20 lbs. per acre with 40 inch row spacing). Southern Corn Billbug (Southeastern States), and aid in the control of Leafhoppers and thereby reduce losses due to Maize Chlorotic Dwarf Virus and Corn Stunt disease--Use 16-24 ounces per 1,000 linear feet of row (13.3-20 lbs. per acre with 40 inch row spacing). Apply into the seed furrow as noted above.

Nematodes (Sting, Stunt, Stubby Root, Root Knot, Dagger, Lesion Nematode, and Spiral)--Use 12-16 ounces per 1,000 linear feet of row (10-13.3 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 and Western Corn Rootworm--Use 8 ounces of Furadan 15 G per 1,000 linear feet of row (6.7 lbs. per acre with 40 inch row spacing) by banding over the row or by side dressing both sides of the row and cultivating into the soil.

Field Corn--Foliar Application

Southwestern Corn Borers (second to third generation) and European Corn Borers--Use 6.7 lb. per acre. Apply with aircraft by broadcasting over the corn plants or with ground equipment by directing the granules into the corn whorls. Apply when eggs begin to hatch. Do not make a foliar application if Furadan 15 G were applied at more than 8 ounces per 1,000 linear feet of row (6.7 lbs. per acre with 40 inch row spacing) at planting. Do not make more than two foliar applications per season.

Corn Application Rates

When the granular application equipment is set to deliver Furadan 15 G at a rate of 8 ounces per 1,000 linear feet, the total amount applied per acre will vary depending on row spacing. Use the table below to determine your Furadan needs for each acre.

Row Spacing (Inches)	40"	38"	36"	30"	28"
Furadan 15 G (lbs./acre)	6.7	7.0	7.3	8.7	9.3

Corn Insecticide Applicator Settings

Furadan 15 G is a dense, free flowing insecticide requiring accurate equipment calibration to apply the recommended amount per acre. Always calibrate your planter at the speed which you plan to travel during the planting operation. The following are approximate settings for guidance in calibration.

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Application Rate	Applicator Gauge Setting								
	6.7 lbs A			10 lbs A			13.3 lbs A		
Planter Speed (MPH)	4	6	8	4	6	8	4	6	8
Equipment									
Allis Chalmers	3	3	3	5	5	5	7	7	7
Gandy	14	18	21	18	22	25	22	25	29
McCoy Planter									
Gate	1	1	2	1	2	2	2	2	1
Drill	7	9	2	9	3	8	2	8	5
John Deere									
Range	1	2	2	1	2	2	2	2	2
Notch	18	1	2	20	2	4	1	4	8
John Deere									
Max Emerge									
Even number notches—0-10-20-30-40	10	14	19	14	21	25	19	25	30
Max Emerge									
Odd number notches—5-15-25-35	9	12	14	12	15	18	14	18	21
Noble									
Round Opening	8	12	16	12	17	22	16	22	28
Rectangular Opening	5	7	9	7	10	13	9	13	17

Cotton

Thrips—Use Furadan 15 G at 8 ounces per 1,000 linear feet of row (6.7 lb. per acre with 40 inch row spacing). 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 15 G at the rate of 1½ lbs. per 1,000 linear feet of row (13.3 lbs. 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 15 G at 66.7 lbs. 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 in soils of pH 8.0 or greater. Retreat biannually (every other year) or when a build up 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, 3.3 to 6.7 lbs. per acre (36 inch row spacing); 3.5 to 6.7 ounces 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 15 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	13.3 to 26.7 lbs.	0.9 to 1.8 lbs.
18 inches	20 to 33.3 lbs.	1.33 to 2.3 lbs.

Banded Pegging—Time Application Method

For control of Southern Corn Rootworm in the Southeastern States—

Use Furadan 15 G at 7.3 to 14.7 ounces per 1,000 linear feet (6.7 to 13.3 lbs. 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 30 days after pegging begins (approximately 60 to 90 days after planting). Incorporate granules immediately if vine growth permits. Do not apply Furadan 15 G at pegging if Furadan 15 G was used in a band at planting.

Peppers

Green Peach Aphid—(Delmarva Peninsula and South Jersey only). European Corn Borer—Make two applications of Furadan 15 G by sidedressing on either one or both sides of the row. Make a first application two to four weeks after transplanting using 13.3 lbs. per acre (equivalent to ½ lb. per 500 linear feet with 36 inch rows). Make the second application four to six weeks later using 20 lbs. per acre (0.7 lb. per 500 linear feet). Do not make the second application within 21 days of harvest.

Potatoes

Colorado Potato Beetle, European Corn Borer, Potato Flea Beetle, 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 Wireworm—Use 1½ lbs. of Furadan 15 G per 1,000 linear feet of row (20 lbs. per acre 36-inch row spacing). Apply directly into 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 6-8 ounces of Furadan 15 G per 1,000 linear feet of row (5-6.7 lbs. per acre with 40 inch row spacing) applied directly into the seed furrow.—OR—Use 8 ounces of Furadan 15 G per 1,000 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 use of a press wheel dragging a short length of chain or other suitable device

For Chinch Bug—Use 8 ounces of Furadan 15 G per 1,000 linear feet of row. Apply at planting as noted above.

Equivalent pounds of Furadan 15 G per acre for various row spacings are as follows

	Amount of Furadan 15 G per 1000 Linear Feet of Row	Pounds of Furadan 15 G per Acre for Various Row Spacings				
		40"	36"	34"	30"	20"
In Furrow	6 Ounces	5	5.5	5.83	6.7	10
	8 Ounces	6.7	7.3	7.7	8.7	13.3
7" Band	8 Ounces	6.7	7.3	7.7	8.7	13.3

Soybeans

Nematodes (Root Knot, Cyst, Stunt, Ring, Sting, Spiral Lesion, Lance Dagger, Stubby-Root)—Use Furadan 15 G at 12-16 ounces/1000 linear feet (equivalent to an application of 10-13.3 lbs./Acre on a 40-inch row spacing) at planting in a 7-inch band and mix with the covering soil

—OR—

Apply Furadan 15 G at 12 ounces/1000 linear feet (equivalent to an application of 10 lbs./Acre on a 40-inch row spacing). Apply at planting by directing the granules into the planter shoe with the seed or by placing 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 15 G at 12 ounces/1000 linear feet (equivalent to 10 lbs./Acre on a 40-inch row spacing) at planting in a 7-inch band and mix with the covering soil

—OR—

Apply Furadan 15 G at 8-12 ounces/1000 linear feet (equivalent to an application of 6.7-10 lbs./Acre on a 40-inch row spacing). Apply at planting by directing the granules into the planter shoe with the seed or by placing the applicator tube directly behind the planter shoe so that the granules drop into the furrow and mix with the covering soil

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Sugar Beets

Sugar Beet Root Maggot—Use 13.3 lbs. of Furadan 15 G to 23,750 linear feet of row or 2.7 ounces per 300 feet (equivalent to 1 acre use on 2 1/2 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 15 G at the rate of 1.7 lb. to 3.3 lb. per 1,000 linear feet of row (equivalent to 13.3 to 26.7 lbs. per acre based on 60 inch row spacings). Do not use in Hawaii.

Plant cane: Nematodes (Root Knot and 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 and 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 15G at 40 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 15G at 20-26.7 pounds per acre - OR - for full season control of Flea Beetles and approximately 60 days control of Hornworms - use Furadan 15G at 26.7 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 15G at 40 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 15G at 26.7 pounds per acre. Apply broadcast as noted above. Note leaf flecking caution listed above.

Cottonwood

Cottonwood Twig Borer, Cottonwood Leaf Beetle, Clearwing Borer—**In commercial plantations**—Use 6.7-13.3 lb. per acre (12 ft row spacing) or 1.8 to 3.5 lb. per 1000 linear feet of row. Apply during June or July to the root zone of the cutting by the use of a granular subsoil applicator as a sidedress 10 to 12 inches from the trees in a continuous band on both sides of the trees. **In Nursery plantings**—Use 26.7 lbs. per acre (40 inch row spacing) or 2 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.

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Pine Seedlings

Pales Weevil and Pitch-Eating Weevil control in pine plantations—Use 7 grams (1/4 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, Conoworms, Coneborers—Use 2.7 to 5.3 oz. per inch of tree diameter. Cone beetles—Use 5.3 ounces per inch of tree diameter. Broadcast with 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 15 G before insects appear in the spring, at the rate of 7 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 areas 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 15 G)
1 to 10 inches	1 ft.	7-37 oz.
14 to 20 inches	3 ft.	4.7-6.7 oz.
24 to 80 inches	6 ft. and 12 ft. (alternating)	8-13.3 oz.
44 to 80 inches	10 ft. and 12 ft. (alternating)	14.7-26.7 oz.
80 inches and larger	12 ft. and 20 ft. (alternating)	26.7 oz.

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 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, is made as to the effects of such 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.

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

Dear Mr. Pincus:

Subject: Furadan 15G
EPA Registration No. 279-3023
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:Raven:479-2013:4/5/83

CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							