



15mc



SPECIMEN LABEL  
REDUCED TO 40\*

# Lorsban\*

# 15G

granular  
insecticide



For Control of Various Insects Infesting  
Certain Field and Vegetable Crops

ACTIVE INGREDIENT  
Chlorpyrifos O-D-methyl O-1,5,6-trichloro-2,4,6-trimethyl phosphorothioate 15.0%  
INERT INGREDIENTS 85.0%  
EPA Registration No. 454-573  
EPA Est. 464-343-1

22.68 KG / 50 LB

KEEP OUT OF REACH OF CHILDREN

### CAUTION

MAY BE HARMFUL  
IF SWALLOWED  
See Back Panel  
For Other Important  
Precautionary Statements

In case of an emergency  
endangering life or property  
involving this product call collect  
517-636-4400

AGRICULTURAL  
CHEMICAL  
Do Not Ship or Store with Feeds,  
Drugs or Clothing

Trademark of THE DOW CHEMICAL COMPANY

CG-1376 PRINTED IN U.S.A. IN DECEMBER, 1972.  
REPLACES SPECIMEN LABEL CG-1376 PRINTED IN JUNE, 1972.  
DISCARD PREVIOUS SPECIMEN LABELS.  
REVISIONS INCLUDE: (1) REVISED THE USE RESTRICTIONS FOR CORN, (2) ADDITIONAL  
INFORMATION WAS GIVEN FOR USE ON PEANUTS, (3) REVISED THE DIRECTIONS FOR THE  
NEW 15G BAG SIZE, (4) REARRANGED SOME CALIBRATION INFORMATION, (5) MODIFIED  
THE DIRECTIONS FOR CORN, (6) ETC.

SL1770

ORM-A

**RQ CHLORPYRIFOS MIXTURE NA2783**

**PRECAUCION AL USUARIO:** Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente  
**TRANSLATION:** (TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUTIONARY STATEMENTS**  
*Hazards to Humans and Domestic Animals*  
**MAY BE HARMFUL IF SWALLOWED**  
**Do Not Take Internally • Avoid Contact With Eyes, Skin, and Clothing • Wash Thoroughly After Handling**  
**Wash Contaminated Clothing Before Reuse**  
**NOTE TO PHYSICIAN:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.  
*Environmental Hazards*  
 This product is toxic to wildlife and fish. Use with care when applying in areas frequented by wildlife or adjacent to any body of water. Keep out of lakes, streams or ponds. Treated granules exposed on soil surface may be hazardous to birds and other wildlife. Cover or incorporate granules which are spilled during loading. Incorporate granules visible on the soil surface in the turn areas.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
**Field Corn, Popcorn, Sweet Corn:** Use LORSBAN 15G granular insecticide for control of the following pests at the dosages indicated.

Pest	Amount of LORSBAN 15G Per Acre for Preplant Broadcast Treatment	Amount of LORSBAN 15G per 1,000 Feet of Row		
		Planting Time Band	Treatment In-Furrow	Postplant
Northern, Southern, and Western Corn Rootworm Larvae	—	● 8 oz	—	● 8 oz
Cutworms	6.75 to 13.5 lb	8 oz	—	—
Symphytans	—	8 to 12 oz	—	—
Seed Corn Maggots	—	—	8 oz	—
Seed Corn Beetle	—	—	8 to 16 oz	—
Grubs	13.5 lb	—	8 to 16 oz	—
Billbugs	13.5 lb	8 to 16 oz	—	—
Lesser Cornstalk Borer	—	8 to 16 oz	—	—
Wireworms	13.5 lb	16 oz	16 oz	—
Flea Beetle Larvae	13.5 lb	—	—	—
European & Southwestern Corn Borer	—	—	—	6 to 8 oz

**Restrictions:** Do not make more than one application per season. Do not harvest within 21 days after treatment. Do not feed treated peanut forage or hay to meat or dairy animals.

**Soybeans:** Use LORSBAN 15G insecticide to control larvae of the lesser cornstalk borer and cutworms by application at planting time or postemergence as a band (row) treatment at the rate of 8 ounces per 1,000 feet of row. Equivalent rates of LORSBAN 15G per acre for various row spacings are given in the accompanying table. When used at planting, incorporate the granules into the top 1 inch of soil by placing in a 6 to 7 inch wide band over the row behind the planter shoe and ahead of the press wheels. For postemergent treatment incorporate the granules in a 6 to 7 inch wide band to a depth of 1/2 inch to 1 inch using a suitable cultivator. Apply LORSBAN 15G with equipment that will provide uniform distribution of the granules. Do not make more than one application per season.

**Sugar Beets:** Use LORSBAN 15G insecticide to control larvae of the sugar beet root maggot and cutworms as a band treatment applied over the row at planting time or postemergence (up to 2 to 4 true leaf stage of the plant). Apply the granules at the rate of 4.5 to 9 ounces per 1,000 feet of row (equivalent to 7 to 13.5 pounds per acre based on a 22-inch row spacing) by placing in a 5-inch wide band (treatment applied over the drill row at planting) or plants (postemergence). At planting treatments are recommended for cutworm control. For best control, when used at planting, the granules should be applied behind the planter shoe, over the drill row, and in front of the press wheel. Incorporate the granules into the top 1 to 2 inches of soil using suitable equipment or devices. For postemergent treatment, incorporate the banded granules to a depth of 1/2 inch to 1 inch using a suitable cultivator. Apply LORSBAN 15G with equipment that will provide uniform distribution of the granules.

**Restrictions:** Do not make more than one application per year.

**Sunflowers:** Use LORSBAN 15G to control cutworms by application at planting time as a band treatment over the row at the rate of 8 ounces per 1,000 feet of row. Place the granules in a 7 inch wide band over the row behind the planter shoe in front of the press wheel and incorporate into the top one inch of soil using suitable equipment.

**Restrictions:** Do not make more than one application per season.

**Sweet Potatoes:** Use LORSBAN 15G to control wireworms (*Conoderus*), flea beetles (*Systema*), and sweetpotato beetle by application as a broadcast treatment prior to planting (preplant) at a rate of 13.5 pounds per acre using equipment that will evenly distribute the granules over the treated area. After application, incorporate the granules into the soil to a depth of 4 to 6 inches using a rotary hoe, disc cultivator, or other suitable incorporation equipment. Plant the crop in the usual manner as soon as possible after treatment. Do not make more than one application per season.

**Vegetables:** Use LORSBAN 15G to control root maggots infesting the following crops by application as a row treatment at planting time in accordance with the specified conditions.

**Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Rutabagas, Turnips:** Use 4.6 to 9.2 ounces of LORSBAN 15G per 1,000 linear feet of row by placing across the seed row in a 4-inch wide band behind the planter shoe and in front of the press wheel to achieve shallow incorporation. This application requires a spreader or splitter on the end of the drop tube from the granule applicator.

**Restrictions:** Do not apply more than 7 1/2 pounds of LORSBAN 15G per acre to crops planted in 40-inch rows or more than 15 pounds of LORSBAN 15G per acre to crops planted in 20-inch rows (or two rows per bed). Use proportional amounts for other row spacings not to exceed 15 pounds of LORSBAN 15G per acre. Do not make more than one application per season. Do not use rutabaga tops for food or feed purposes.

**Radishes:** Use 3.3 ounces of granules per 1,000 linear feet of row by application in the seed furrow with the seed at planting time.

**Restrictions:** Do not apply more than 18.3 pounds of LORSBAN 15G per acre or make more than one application per season.

**STORAGE AND DISPOSAL**

**Prohibitions:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Disposal:** Pesticide that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

**Container Disposal:** Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

**General:** Consult federal, state or local disposal authorities for approved alternative procedures.

Seed Corn Maggots			8 oz
Seed Corn Beetle			8 to 16 oz
Grubs	13.5 lb		8 to 16 oz
Billbug	13.5 lb	8 to 16 oz	
Lesser Cornstalk Borer		8 to 16 oz	
Wireworms	13.5 lb	16 oz	16 oz
Flea Beetle Larvae	13.5 lb		
European & Southwestern Corn Borers			6 to 8 oz

Use 5.0 to 6.5 pounds of LORSBAN 15G per acre applied broadcast by air

**At Plant Band Treatment:** Apply LORSBAN 15G at planting time for control of corn rootworms, cutworms, billbugs, lesser cornstalk borer, symphylans, and wireworms. Place the granules in a 5 to 7-inch wide band over the row behind the planter shoe. In front of the press wheel, and incorporate into the top one inch of soil using suitable equipment. For cutworm control, under dry soil conditions after treatment, enough cutworms may survive to cause some crop damage. If this occurs, it may be necessary to apply a rescue treatment to control the surviving worms. LORSBAN 4E insecticide is recommended for this purpose. For best wireworm control, apply the granules as a band over an open seed furrow or apply as an in-furrow treatment. Consult your State Agricultural Experiment Station or extension service specialist for further information concerning soil insect control in your area. Equivalent rates of LORSBAN 15G per acre for various row spacings are given in the accompanying table.

**At Plant In-Furrow Treatment:** Apply LORSBAN 15G at planting time as an in-furrow treatment for control of wireworms, seed corn beetle, seed corn maggots and grubs. 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 seed furrow or place the granular band applicator behind the planter shoe so that the granules fall on the soil surface and into the open seed furrow and are covered with soil. For control of cutworm and billbug, in addition to wireworm, seed corn beetle, seed corn maggot and grubs, apply as a band over an open seed furrow. Suppression of wireworms can be obtained from a rate of 8 ounces per 1,000 linear feet of row when applied either as a band over the open seed furrow or in the seed furrow. Equivalent rates of LORSBAN 15G per acre for various row spacings are given in the accompanying table.

**Preplant Treatment:** Apply LORSBAN 15G insecticide at cultivation time to control corn rootworm larvae. Place the granules over the row and cultivate into the soil or sidedress both sides of the row and cultivate into the soil. For best rootworm control, place the granules at the base of the plants on both sides of the row just ahead of cultivation shovels and cover with soil. Consult your State Agricultural Experiment Station or extension service specialists for proper time to treat in your area. Equivalent rates of LORSBAN 15G per acre for various row spacings are given in the accompanying table.

**Preplant Broadcast Treatment:** Use LORSBAN 15G to control feeding damage by flea beetle larvae, billbugs, grubs, and wireworms by preplant broadcast application at the rate of 13.5 pounds per acre. For cutworm control, use 6.75 to 13.5 pounds per acre. Use equipment that will evenly distribute the granules over the treated area. Incorporate the granules into the soil using a rotary hoe, disc cultivator, or other suitable incorporation equipment set to cut to a depth of 4 to 6 inches. Plant the crop in the usual manner as soon as possible after treatment.

Amount of LORSBAN 15G Per 1,000 Feet of Row	Pounds of LORSBAN 15G Required Per Acre from Various Row Spacing					
	40"	36"	36"	34"	32"	30"
6 ounces	5.0	5.25	5.5	5.75	6.0	6.5
7.5 ounces	6.25	6.6	6.9	7.2	7.5	8.1
8 ounces	6.5	7.0	7.25	7.75	8.25	8.75
12 ounces	10.0	10.5	11.0	11.5	12.0	13.0
15 ounces	12.5	13.2	13.8	14.4	15.0	16.2
16 ounces	13.0	14.0	14.5	15.5	16.5	17.5

NOTE: Control of soil insects may be reduced on soils containing over 10% organic matter or under very dry soil conditions.

**Postplant Broadcast Treatment:** Use LORSBAN 15G for control of European and southwestern corn borers by uniformly broadcasting the granules over the corn plants by aerial application or applying the granules into the corn whorls by ground application. For European corn borer control, use 5.0 to 6.5 pounds of LORSBAN 15G per acre applied by air or 6 to 8 ounces of granules per 1,000 feet of row when using ground equipment. Treat first-generation borers when 25 to 50 percent of the corn plants show pinhole or leaf-feeding scars and second-generation borers when field counts of egg masses indicate pests are or may become a problem. For southwestern corn borer control, use 5.0 to 6.5 pounds of LORSBAN 15G per acre applied by air or 6 to 8 ounces of granules per 1,000 feet of row when using ground equipment. Treat when field counts of egg masses indicate pests are or may become a problem. A second application may be made in 10 to 14 days, if needed due to reinfestation.

**Restrictions:** For soil insect control, do not exceed the equivalent of 16 ounces of LORSBAN 15G per 1,000 feet of row or 13.5 pounds of LORSBAN 15G per acre per crop season. For foliar insect control, do not exceed the equivalent of 16 ounces of LORSBAN 15G per 1,000 feet of row or 13 pounds of LORSBAN 15G per acre per crop season. Do not apply within 35 days before harvest of grain. Do not allow livestock to graze in treated areas nor harvest treated corn silage as feed for meat or dairy animals within 14 days after last treatment. Do not feed treated corn fodder to meat or dairy animals within 35 days after last treatment.

**Onions (dry bulb):** Use LORSBAN 15G to control onion maggot by application as a row treatment at seeding. Apply the granules at the rate of 3.7 ounces per 1,000 feet of row at 18-inch row spacing by placing in the furrow at seeding.

**Restrictions:** For use on direct seeded onions only. Do not make more than one application per year. Based on available residue data, use of LORSBAN 15G on onions (dry bulb) is restricted to Idaho, Michigan, Minnesota, New Jersey, New York, Ohio, Oregon, Washington, and Wisconsin.

**Peanuts:** Use LORSBAN 15G for control of southern corn rootworm and lesser cornstalk borer. For southern corn rootworm control, use 7.5 to 15.0 ounces of LORSBAN 15G per 1,000 linear feet of row by application in a 10 to 18 inch wide band over the fruiting zone just prior to or at pegging. Incorporate the granules into the top 1 to 2 inches of soil using a suitable cultivator. For lesser cornstalk borer control, use 7.5 to 15.0 ounces of LORSBAN 15G per 1,000 linear feet just prior to pegging. Apply the granules in a 10 to 18 inch wide band over the fruiting zone and incorporate into the top 1 to 2 inches of soil, plant size permitting, using ground equipment. If possible, irrigate within 24 hours after treatment using a minimum of 2 acre inches of water. In areas where rainfall is plentiful, irrigation following treatment is not necessary.

**Sugar Beets:** Use LORSBAN 15G insecticide to control larvae of the sugar beet root maggot and cutworms as a band treatment applied over the row at planting time or postemergence (up to 2 to 4 true leaf stage of the plant). Apply the granules at the rate of 6.5 to 9 ounces per 1,000 feet of row (equivalent to 10 to 13.5 pounds per acre based on a 22-inch row spacing) by placing in a 5-inch wide band treatment applied over the drill row (at planting) or plants (postemergence). At plant treatments are recommended for cutworm control. To control only larvae of the sugar beet root maggot, an in-furrow treatment of LORSBAN 15G may be applied at planting time at the rate of 4.5 to 9 ounces per 1,000 feet of row (equivalent to 7 to 13.5 pounds per acre based on a 22-inch row spacing).

with the crop at planting time.

**Restrictions:** Do not apply more than 18.3 pounds of LORSBAN 15G per acre or make more than one application per season.

#### STORAGE AND DISPOSAL

**Prohibitions:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Disposal:** Pesticide that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

**Container Disposal:** Empty pesticide containers must be approved for pesticide containers or used in a safe place.

**General:** Consult local state or local disposal authorities for approved alternative procedures such as limited open burning.

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

U.S. Patent No. 3,244,586

#### GENERAL INSTRUCTIONS FOR EQUIPMENT CALIBRATION

**Caution:** The following chart lists suggested initial gauge settings for application of LORSBAN 15G insecticide with one hopper opening per row. Be sure to check the actual application rate under your operating conditions.

1. Fill hopper.
2. Attach a plastic bag to tube opening.
3. Set your planter to the initial settings shown on chart.
4. Measure off 1,000 row feet and drive your planter the pre-measured distance at your desired speed.
5. Each bag should contain 6 to 8 ounces (wt.) of granules depending on your desired rate.
6. If the result is over or under the desired rate — adjust the settings and repeat the calibration.

#### LORSBAN 15G INSECTICIDE — CALIBRATION

Planter Type	Speed, mph									
	4		5		6		7		8	
	Application Rate, oz. Per 1000 row ft.									
	8	16	8	16	8	16	8	16	8	16
<b>Gandy<sup>1</sup></b>	21.4	30.2	23.7	32.4	26.0	36.0	27.7	39.0	30.2	41.0
John Deere <sup>1</sup> 7000 Maxi-Emerge (Odd)	14	22	16	24	18	26	19	28	21	30
John Deere <sup>1</sup> 7000 Maxi-Emerge (Even)	17	30	20	33	24	35	26	36	28	38
John Deere <sup>2</sup> 71 Flexi-Planter	$\frac{1}{30}$	$\frac{2}{17}$	$\frac{2}{5}$	$\frac{2}{22}$	$\frac{2}{9}$	$\frac{2}{27}$	$\frac{2}{13}$	$\frac{2}{31}$	$\frac{2}{16}$	$\frac{3}{1}$
Alis Chalmers <sup>3</sup> 70 Series	8	13	8	13	8	13	8	13	8	13
Alis Chalmers <sup>4</sup> 78 & 79 Series	$\frac{1}{9.0}$	$\frac{3}{3.0}$	$\frac{2}{3.3}$	$\frac{3}{9.5}$	$\frac{2}{6.0}$	$\frac{4}{3.0}$	$\frac{2}{9.0}$	$\frac{5}{4.0}$	$\frac{3}{2.5}$	$\frac{6}{0}$
Nobel <sup>1</sup> (New)	11	19	14	22	16	25	17	28	19	31
Nobel <sup>1</sup> (Old)	14		17		21		24		27	
International Harvester <sup>4</sup>	$\frac{1}{9.0}$	$\frac{3}{3.0}$	$\frac{2}{3.3}$	$\frac{3}{9.5}$	$\frac{2}{6.0}$	$\frac{4}{3.0}$	$\frac{2}{9.0}$	$\frac{5}{4.0}$	$\frac{3}{2.5}$	$\frac{6}{0}$
Buffalo All-Flex <sup>5</sup> (Fischer Mfg)	4 $\frac{7}{8}$	10	4 $\frac{7}{8}$	10	4 $\frac{7}{8}$	10	—	—	—	—

<sup>1</sup> Gauge setting

<sup>2</sup> Gauge setting with range 1 & 2 — number shown is  $\frac{\text{range}}{\text{notch}}$

<sup>3</sup> Gauge setting is constant regardless of speed

<sup>4</sup> Gauge setting shown with stem rates & dial settings — number shown is  $\frac{\text{dial}}{\text{dial}}$

<sup>5</sup> Number of turns open on the adjustment nut

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### THE DOW CHEMICAL COMPANY

AND SUBSIDIARIES

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SPECIMEN LABEL (BACK) REDUCED TO 64%