



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

34704-259

Date of Issuance:

APR 30 2008

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

Phorate 20 G

Name and Address of Registrant (include ZIP Code):

Loveland Products, Inc.
P.O. Box 1286
Greeley, CO 80634

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Phorate Reregistration Eligibility Decision (RED), as revised, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Generic data requirements that have been identified in the RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable, provided you submit one (1) copy of the final printed label incorporating the following corrections before you release the product for shipment. A stamped copy of the label is enclosed for your records.

Products shipped after 12 months from the date of this Notice or at the next printing of the label, whichever occurs first, must bear the new revised label.

Continued on Page 2

Signature of Approving Official:

Meredith F. Laws

Meredith F. Laws, Chief
Insecticide-Rodenticide Branch
Registration Division (7504P)

Date:

APR 30 2008

1. Remove the term "mixers" in the text "mixers, loaders, applicators and other handlers" on the first page. There is no mixing involved in the use of the subject product which is formulated into an enclosed loading system.

2. Add the citation "40 FR 170.240 (d)(4)" and the name of the closed system (EZ Load System) to the first sentence of the engineering controls section.

3. Remove the following sentence that appears in the engineering controls section: "This product is packaged for and applicators should use the EZ Load System". The sentence conflicts with the phorate risk mitigation measure specified in the RED; i.e. that the product be formulated into an enclosed loading system and that the applicators must use the closed system.

4. Remove the term "Recommendations" from the "Recommendations for Use" heading. The heading Directions for Use would be an acceptable heading.

5. Remove the added claim for use in Louisiana for the sugar cane use. The claim did not appear on the subject product label submitted in response to the phorate RED and is currently only registered as an SLN use. In addition, it is in direct conflict with the sugar cane use limitation appearing on the label ("Use limited to FL"). If you wish to pursue a section 3 registration for the use in Louisiana, it must be submitted as a label amendment and accompanied by the appropriate data compensation documents.

6. Correct the maximum application rate of the amount of product for each of the listed crops as specified below so that it is consistent with that cited in the table of use patterns (Appendix A of the phorate RED). The corrected rates also agree with those appearing on the registered label for the product.

- a. Cotton (in furrow; 30-inch row): change 5 2/3 oz to 6 to 7.5 oz/1,000 sq. ft.
- b. Cotton (in furrow; 36-inch row): change 6.2 to 8.2 lbs/acre
- c. Cotton (side-dressing; 30-inch row): change 13.1 to 10.9 lbs/acre
- d. Cotton (side-dressing; 30-inch row): change 7.5 to 9-10 oz/1,000 sq. ft.

7. Revise the application instructions for each of the listed crops to clearly state that granules must be incorporated into the soil.

8. Remove the text "Do not apply by air" located in the potato use directions (page 3). This use restriction appears elsewhere on the label under the directions for use (page 2) and is applicable to all of the listed crops. Alternatively, the restriction must be added to all the other individual crop use directions to avoid any implication that aerial application may be allowed for the crops other than potatoes.

9. Add a 30-day pre-grazing interval for the at-cultivation use for field and sweet corn.

10. Revise the storage and disposal section as described below.

a. Add the following sentence to the storage instructions: Do not store opened containers.

b. Remove the sentence "Personnel should use clothing and equipment listed under Precautionary Statement when handling open containers." Such a statement implies use of open containers rather than the enclosed loading system. In addition, it conflicts with the container disposal instructions which state to completely empty box into the application equipment. If it is intended that reference be made to use of PPE when performing spill clean-up tasks, then reference the PPE located in the Personal Protective Equipment (PPE) section of the label in the paragraph beginning with "All other handlers performing tasks such as ___."

c. Replace the term "bag" with "box" to more accurately reflect the use of the new closed loading system container.

You are advised that use of this product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al. v. EPA, C01- 0132C, (W.D. WA). For further information, please refer to the following EPA website: <http://www.epa.gov/espp/wtc/uselimitation.htm> .

**SLN No. WA910013; Use of Phorate on Radish (other than Diakon) Grown for Seed
(Label received from the State of Washington in their March 26, 2008 letter.)**

Based on the registrant's response to the phorate IRED, EPA has reregistered the use of phorate for the Special Local Need (SLN) registration associated with this parent product, subject to the comments cited below. A copy of the SLN label is attached.

1. Add the following statement to the environmental hazards statements as specified in the phorate RED labeling table, Table 8: Birds and mammals may be killed if granules are not properly covered with soil in all areas of the treated field and in loading areas.

2. Revise the container disposal statements to those that are more appropriate for a product formulated in an enclosed loading system. Those appearing on the section 3 parent product would be appropriate.

3. Add the restrictions cited below to the label as specified in the phorate RED labeling table. .

Application in saturated soils is prohibited.
Do not treat while precipitation is occurring or while conditions favor runoff from the treated area.

Submit one copy of the corrected label for this SLN for our file. When submitting each label to the State for their comment/approval, please request the State to forward a copy of the revised SLN label (including their additions, if any) to the Agency for official confirmation of their receipt and approval (since Agency approval of the States' notification is required to finalize the action).

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If you have any questions regarding this letter, please contact Marilyn Mautz at (703) 305-6785 or via e-mail at mautz.marilyn@epa.gov.

Enclosures: Stamped label
SLN label

cc: State Pesticide Regulatory Agency for the State of Washington
(Copy of Notice and SLN label)

RESTRICTED USE PESTICIDE

Due to acute oral, dermal and inhalation toxicity and avian hazards
For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certificate.

ACCEPTED

with COMENTS
in EPA Letter Dated:
APR 30 2008

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
As amended, for the pesticide
Registered under EPA Reg. No.

PHORATE 20 G



Organophosphate Insecticide

ACTIVE INGREDIENT:	
Phorate: O,O-diethyl S-[(ethylthio) methyl] phosphorodithioate	20.0%
INERT INGREDIENTS:	80.0%
TOTAL	100.0%

EPA REG. NO. 34704-259
EPA EST. NO.

NET WEIGHT 50 LBS. (22.68 KG)

IHT EXP D 05R06

34704-259

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

Fatal if swallowed, inhaled or absorbed through the skin. Corrosive. Causes irreversible eye damage. DO NOT breathe the dust. DO NOT get in eyes, on skin, on clothing. Rapidly absorbed through skin. Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to poisoning.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical resistant to this product are those made of any water-proof material. If you want more options, follow the instructions for category A on an EPA chemical resistant category selection chart.

Mixers, loaders, applicators and other handlers using engineering controls must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks.
- In addition to the PPE listed above, loaders must wear
- Chemical resistant gloves.
- All other handlers performing tasks such as spill clean up or equipment cleaning for which engineering controls are not feasible must wear:
- Coveralls over long sleeved shirt and long pants,
- Chemical resistant footwear plus socks,
- Chemical resistant gloves,
- Protective eyewear,
- NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21c or a NIOSH approved respirator with any N, R, P, or HE filter,
- Chemical resistant apron if exposed to the concentrate.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

See Engineering Controls for additional requirements.

Engineering controls statements:

This product is formulated into an enclosed system that meets the definition of a closed loading system as defined by the Worker Protection Standard for Agricultural Pesticides. This product is packaged for and applicators should use the EZ Load System. In addition to wearing the required PPE for handlers using engineering controls, loaders must be provided, must have immediately available, and must wear in case of a broken package, spill or equipment breakdown: chemical-resistant apron, chemical-resistant footwear, and a NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH approved respirator with any N, R, P, or HE filter.

Applicators must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides for dermal protection. In addition to the applicator: must wear the PPE required for handlers using engineering controls, and must either use an enclosed cab that provides equivalent respiratory protection to a dust/mist filtering respirator or wear a NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH approved respirator with any N, R, P, or HE filter, must be provided, must have immediately available for use, and must wear if they must exit the cab in the treated area: coveralls, chemical-resistant gloves, chemical-resistant footwear, protective eyewear, and if using an enclosed cab that provides respiratory protection NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH approved respirator with any N, R, P, or HE filter. Applicators using enclosed cabs shall:

- take off any PPE that was worn in the treatment area before reentering the cab, and
- store all such PPE in a chemical resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

KEEP OUT OF REACH OF CHILDREN

DANGER POISON



PELIGRO

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

See Below For Antidote and Other Precautions.

NOT FOR USE OR STORAGE IN OR AROUND THE HOME

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • 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.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • Call a poison control center or doctor for treatment advice. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
IF IN EYES	<ul style="list-style-type: none"> • 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.

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

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:
1-800-301-7976.

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING

NOTE TO PHYSICIANS: Warning symptoms including weakness, headache, tightness of chest, blurred vision, nonreactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. Give atropine intramuscularly or intravenously, depending on severity of poisoning, 2 to 4 milligrams (3 to 6 tablets, 1/100 grain each) every 10 minutes until fully atropinized as shown by dilated pupils, dry flushed skin and tachycardia. Twenty to thirty milligrams, or more, may be required during the first 24 hours. Never give opiates or phenothiazine tranquilizers.

Clear chest by postural drainage. Artificial respiration or oxygen administration may be necessary.

Probable mucosal damage may contraindicate the use of gastric lavage.

Observe patient continuously for at least 48 hours. Allow no further exposure to any cholinesterase inhibitor until cholinesterase regeneration has taken place as determined by blood tests.

Pralidoxime chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

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PHORATE 20 G
EPA REG. NO. 34704-259

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

IMPORTANT! Failure to follow precautions including wearing proper Personal Protective Equipment (PPE) may result in serious or even life threatening poisoning requiring immediate medical attention. The active ingredient of this granular formulation can be absorbed across the skin to cause poisoning.

WORK SAFETY RULES

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

Persons working with this product should have frequent blood tests of their cholinesterase levels. If the cholinesterase level falls below a critical point, no further exposure should be allowed until it has been determined by means of blood tests that the cholinesterase level has returned to normal. Before using this product consult the National Pesticide Information Center for recommendations regarding such blood tests, poisoning management, emergency treatment, and other information regarding the toxicity of phorate. The toll free number for the National Pesticide Information Center is 1-800-858-7378.

If handled indoors provide mechanical exhaust ventilation.

Keep all unprotected persons, children, livestock, and pets away from treated areas or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away, See "FIRST AID" section.

ANTIDOTE: Atropine is an antidote. Consult your physician about obtaining a supply of 1/100 grain (0.6 milligram) tablets for emergency use. If symptoms include blurred vision, stomach cramps or tightness in chest, don't wait for a physician but take two tablets at once. Do not take atropine unless symptoms of poisoning have occurred. See a physician as soon as possible.

ENVIRONMENTAL HAZARDS

This pesticide is very highly toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wastewater or rinseate. Birds and mammals may be killed if granules are not properly covered with soil in all areas of the treated field and in loading areas.

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.

IMPORTANT! Read precautionary statements before using this product.

Do not use this product on Long Island, NY.

Aerial application is prohibited.

PHORATE 20 G should be applied with a granular pesticide applicator properly calibrated to assure accurate placement and proper dosage.

Incorporation into soil is required.

Only one application per crop per season may be made.

Use on peanuts at pegging is prohibited.

Application of phorate in saturated soils is prohibited. Do not treat while precipitation is occurring or while conditions favor runoff from the treated area.

Do not apply in wet soil conditions that may prevent the equipment from covering pesticide granules.

Under some conditions phorate may have a high potential for runoff into surface water for several days post application. Do not apply in the following situations:
 Frequently flooded areas
 Areas where intense or sustained rainfall is forecasted to occur within 48 hours.

Use Best Management Practices for minimizing surface runoff in the following areas:

- Poorly draining or wet soils with readily visible slopes toward adjacent surface water
- Areas over-laying extremely shallow ground water
- Areas with in-field canals or ditches that drain to surface water
- Areas not separated from adjacent surface waters with vegetated filter strips
- Areas over-laying tile drainage systems that drain to surface water

When used on erodible soils, best management practices for minimizing runoff should be employed. Consult your local soil conservation service for recommendations in your use area.

In particular, where highly erodible land (HEL) is adjacent to aquatic bodies, a 66 foot buffer/setback area should be left in grass or other natural vegetation.

Do not apply within 50 feet of any drinking water well to minimize potential contamination.

Do not wash, load, or empty application equipment near any well, as this practice is a potential source of ground water contamination.

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), notification to workers 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 the restricted entry interval (REI) of 48 hours.

Each 48 hour REI is increased to 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area without restriction if there will be no contact with anything that has been treated.

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 worn over long-sleeved shirt and long pants,
- Chemical-resistant gloves made of any waterproof material,
- Chemical-resistant footwear plus socks and protective eyewear.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

TYPICAL APPLICATION RATES FOR VARIOUS ROW SPACINGS

	Rate oz./1,000 Ft. of Row									
	1.6 oz.	2 oz.	4 oz.	6 oz.	8 oz.	10 oz.	12 oz.	14 oz.	16 oz.	17.2 oz.
40"				4.9	6.5	8.2	9.8	11.4	13.1	14.1
38"				5.2	6.9	8.6	10.3	12.0	13.7	14.7
36"				5.4	7.3	9.1	10.9	12.7	14.5	15.6
34"				5.6	7.7	9.7	11.6	13.5	15.4	16.6
32"				6.1	8.2	10.2	12.3	14.3	16.3	17.5
30"				6.5	8.7	10.9	13.1	15.2	17.4	18.7
26"				7.1	9.5	11.8	14.2	16.6	18.9	
24"			5.4	8.2	10.9	13.6	16.3	19.1		
22"			5.9	8.9	11.9	14.9	17.9			
20"			6.5	9.8	13.1	16.3				
16"			8.2	12.3	16.3					
12"		5.4	10.9	16.3						
8"	6.5	8.2	16.3							
6"	10.9									

EQUIVALENT POUNDS PER ACRE

Row Spacing

PHORATE 20 G
EPA REG. NO. 34704-259

RECOMMENDATIONS FOR USE

Crop	Pests Controlled	Rate PHORATE 20 G	Application	Remarks
BEANS Soiled drilled at planting	Mexican Bean Beetles	4 1/2 to 9 3/8 ozs. per 1000 ft. of row (minimum 30-inch row spacing) or 10 lb/A	Distribute the granules evenly in the row to the side of the seed at planting time.	PHI = 60 days The grazing or feeding of treated hay or forage to livestock is prohibited.
	Soil drilled or banded at planting	Leathoppers, Aphids, Lygus Bugs, Thrips, Mites and Seedcorn Maggots	4 1/2 to 7 ozs. per 1000 ft. of row (minimum 30-inch row spacing) or 7.5 lb/A	Do not place PHORATE 20 G granules in direct contact with the seed.
FIELD CORN: Soil banded incorporated at planting	Corn Rootworms, Mites, Seed Corn Beetle (Iowa and Illinois Only), Reduction of Wireworms (North Central and South eastern States only)	8 ozs. per 1000 ft. of row (minimum 30-inch row spacing) or 8.5 lb/A	Place granules in a 7-inch band over the row directly behind the planter shoe in front of the press wheel. Do not place PHORATE 20 G granules in direct contact with seed.	PHI = N/A In-furrow application is prohibited. Do not make more than one application per crop per season.
	Soil banded at cultivation	Corn Rootworms Chinch bug nymphs	Apply granules at time of cultivation in a band at base of plants just ahead of cultivator shovels so as to cover granules with soil. Apply in June as soon as Rootworms actively is observed.	PHI = 30 days Application after cultivation treatment is prohibited. Cultivation application may be made to control corn rootworms or chinch bug nymphs. When made to control chinch bug nymphs, application may only be made in AR, CO, KS, LA, MS, NE, OK, TN and TX and a 30-day PHI/PGI has been established. Do not make more than one application per crop per season.
SWEET CORN: Soil banded incorporated at planting	Corn Rootworms, Mites, Seed Corn Beetle (Iowa & Illinois only), Reduction of Wireworms (North Central and Southeastern States only)	8 ozs. per 1000 ft. of row (minimum 30-inch row spacing) or 8.5 lb/A	Place granules in a 7-inch band over the row directly behind the planter shoe in front of the press wheel. Do not place PHORATE 20 G granules in direct contact with seed.	PHI = N/A In-furrow application is prohibited. Do not make more than one application per crop per season.
	Soil banded at cultivation	Corn Rootworms	Apply granules at time of cultivation in a band at base of plants just ahead of cultivator shovels so as to cover granules with soil. Apply in June as soon as rootworm activity is observed.	PHI = 30 days Application after cultivation treatment is prohibited. Do not make more than one application per crop per season.
COTTON: In furrow at planting	Early season Thrips, Aphid, Mites & Leaf Miners	3 ozs. per 1000 ft. of row (minimum 30-inch row spacing or no more than 3.3 lbs./A)	Distribute the granules evenly in the furrow at planting time. Soil temperature, moisture and lith should be favorable for good germination and emergence.	PHI = N/A Suggested for areas where a limited period of protection against early season pests is necessary for good cotton growth. Use 2 lbs. PHORATE 20 G per acre for hill-dropped cotton. The grazing or feeding of treated hay or forage to livestock is prohibited. Do not make more than one application per crop per season.
		Mites, Thrips, Aphids, Black Cutworms, Leafhoppers, White Flies and Leaf Miners.	6 to 9 ozs. per 1000 ft. of row (minimum 36-inch row spacing or no more than 6.2 lbs./A) 5 2/3 oz per 1000 ft. of row for 30-inch row spacing or no more than 8.2 lbs./A.	Distribute the granules evenly in the furrow at planting time. Soil temperature, moisture and lith should be favorable for good germination and emergence. Under adverse conditions plant stand may be affected.
COTTON: Soil incorporated at side-dressing (Irrigated cotton only) (Arizona and California only)	Mites from spring to early summer	9 to 12 ozs. per 1000 ft. of row (minimum 36-inch row spacing or no more than 10.9 lbs./A.) 7 1/2 oz per 1000 ft. of row for 30-inch row spacing or no more than 13.1 lbs./A.	Incorporate granules into soil as a side dress application deep enough to avoid disturbance by future cultivations.	PHI = 60 days Irrigate as soon as possible after treatment. Do not apply later than 60 days before harvest. The grazing or feeding of treated hay or forage to livestock is prohibited. Do not make more than one application per crop per season.
PEANUTS: In furrow at planting	Thrips, Leafhoppers	5 1/8 ozs. per 1000 ft. of row (minimum 24-inch row spacing) or 6.9 lb/A	Distribute the granules evenly in the furrow at planting time. For best results, plant peanuts when soil temperatures are favorable for establishing good peanut stands.	PHI = 90 days The grazing or feeding of treated hay or forage to livestock is prohibited. Do not make more than one application per crop per season.
POTATOES: In furrow or soil banded at planting	Aphids, Leafhoppers, Leaf Miners, Psyllids, Flea Beetle Larvae and reduction of Flea Beetle Adults.	LIGHT OR SANDY SOILS: 11 1/4 ozs. per 1000 ft. of row (minimum 32-inch row spacing) or 11.25 lb/A HEAVY OR CLAY SOILS: 17 1/4 ozs. per 1000 ft. of row (minimum 32-inch row spacing) or 17.25 lb/A	Distribute the granules evenly in the furrow or granules may be banded on each side of the row at planting time. Incorporation into soil is required.	PHI = 90 days Use for Colorado potato beetle control in the Del Marva Peninsula is prohibited. Do not make more than one application per crop per season. Do not apply by air.
	Colorado Potato Beetle (early season control)	11 1/4 ozs. per 1000 ft. of row (minimum 32-inch row spacing) or 11.25 lb/A.		
SORGHUM: Soil drilled or banded at planting	Aphids (Greenbugs)	6 ozs. per 1000 ft. of row (minimum 30-inch row spacing) or 6.5 lb/A	Place granules 2 inches to side and 1 inch below the seed at planting or as a 7-inch band over the row just prior to press wheel.	PHI = N/A Do not place PHORATE 20 G granules in direct contact with seed. Do not make more than one application per crop per season.
SOYBEANS: Soil drilled or banded at planting	For the early season control of Mexican bean beetle and leafhoppers	9 ozs. per 1000 ft. of row (minimum 30-inch row spacing) or 10 lb/A	Distribute the granules evenly in the row to the side of the seed at planting time.	PHI = N/A Do not place granules in direct contact with the seed. The feeding of treated foliage to livestock is prohibited. Crop injury may result when preplant incorporated or preemergence applications of metribuzin herbicides or other soil-applied organophosphate pesticides are used in conjunction with this product. Do not make more than one application per crop per season.
	Seedcorn maggots	9 ozs. per 1000 ft. of row (minimum 30-inch row spacing) or 10 lb/A	Distribute the granules evenly in the row to the side of the seed at planting time, or place granules in a 7" band over the row directly behind the planter shoe in front of the press wheel.	
SUGAR BEETS: Soil drilled or banded at planting	Aphids, Beet Root Maggots, Leafhoppers, Mites, Leaf Miners	4 1/2 ozs. per 1000 ft. of row (minimum 20-inch row spacing) or 7.5 lb/A		PHI = 30 days Do not place PHORATE 20 G granules in direct contact with the seed. Do not feed sugar beet tops or silage to dairy cattle. Consult your state experiment station or state extension service for proper timing of application in your area. Do not make more than one application per crop per season.

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PHORATE 20 G
EPA REG. NO. 34704-259

Crop	Pests Controlled	Rate PHORATE 20 G	Application	Remarks
SUGAR CANE: (Florida and Louisiana)	Wireworms	19.5 lb/A	Apply in a 10 to 12 inch band directly on the seed piece and surrounding soil in the open furrow immediately before covering. Cover granules that may be exposed on the end of treated rows, turns and loading areas by deep disking after treating fields. All granules must be incorporated into the soil.	PHI = N/A Use limited to FL. The grazing or feeding of treated forage or hay to livestock is prohibited. Do not make more than one application per crop per season.

STORAGE AND DISPOSAL

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

STORAGE: Store in safe manner. Store in original container only. Store in cool, dry place. Keep container tightly closed when not in use. Reduce stacking height where local conditions, such as humidity or pallet overhang, can affect package strength. Personnel should use clothing and equipment listed under "PRECAUTIONARY STATEMENT" when handling open containers.

SPILLED MATERIAL, block to prevent spreading of spill. Scoop and sweep into a disposable container, whether it occurs indoors, or in the field.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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 at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty box into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances. Do not place hands inside or near the open bottom of the box. For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC - 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL, THIS PRODUCT IS SOLD AS IS TO THE EXTENT ALLOWED BY APPLICABLE LAW. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL, BUYER OR USER MUST SEND, TO THE EXTENT REQUIRED BY APPLICABLE LAW, WRITTEN NOTICE OF SUCH CLAIM TO THE FOLLOWING ADDRESS: LOVELAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, 7251 WEST 4TH STREET, GREELEY, CO 80634.

TO THE EXTENT ALLOWED BY APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. TO THE EXTENT ALLOWED BY APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

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