

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 5-31-98

	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration	OPP Identifier Number
		<input checked="" type="checkbox"/> Amendment	
		<input type="checkbox"/> Other	

Application for Pesticide - Section I

1. Company/Product Number 9779-293	2. EPA Product Manager Marilyn Mautz	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) Phorate 20G	PM # 4	
5. Name and Address of Applicant (Include ZIP Code) Agriliance, LLC P.O. Box 64089 St. Paul, MN 55164-0089 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

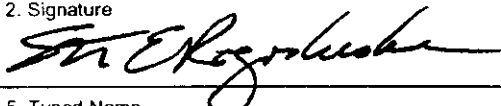
<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION OCT 17 2000
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)
Notification of deletion of uses per discussion with SRRD. See attached certification statement.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input checked="" type="checkbox"/> Paper	Other (Specify) <u>foil-lined bag</u>
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 50 lb. bag		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Label accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Person (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Steve Rogosheske	Title Manager, Product Registration	Telephone No. (Include Area Code) (651) 451-5409
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Manager, Product Registration	
5. Typed Name Steven E. Rogosheske	5. Date Oct. 5, 2000	

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 certification.

Phorate 20G

20% Granular Systemic Low-Odor Insecticide

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

STOP--READ LABEL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN

DANGER

POISON



← RED

PELIGRO

VENENO

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.)

STATEMENT OF PRACTICAL TREATMENT

ORGANOPHOSPHATE

FIRST AID TREATMENT: Call a doctor (physician), clinic, or hospital immediately. Explain that the victim has been exposed to Phorate and describe his condition.

IF BREATHING HAS STOPPED, start artificial respiration immediately and maintain until doctor sees victim.

IF SWALLOWED, call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available, by administering syrup of ipecac. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IN CASE OF CONTACT, immediately flush eyes or skin with plenty of water for at least 15 minutes. See doctor immediately.

Read Additional PRECAUTIONARY STATEMENTS.

EPA Reg. No. 9779-293

Distributed By
Agrilience, LLC
P.O. Box 64089, St. Paul, MN 55164-0089

NOTIFICATION

OCT 17 2000

EPA Est. No: 34704-NE-1

NET CONTENTS

LBS.

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PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

CAN KILL IF SWALLOWED

This product can kill you if swallowed, even in small amounts: spray mist may be fatal if swallowed



CAN KILL BY SKIN CONTACT

This product can kill you if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).



CAN KILL IF BREATHED

This product can kill you if vapors or spray mist are breathed.



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 Telecommunications Network 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 Telecommunications Network is 1-800-858-7378.

If handled indoors provide mechanical exhaust ventilation.

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 (Practical Treatment) section.

POISON SIGNS (Symptoms) Phorate is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces and eyes. Exposed persons must receive prompt medical treatment or they may die. Some of the signs and symptoms of poisoning are headache, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness in chest, labored breathing, nervousness, sweating, watering, of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

NOTE TO PHYSICIAN: Antidote - administer atropine sulfate in large doses. TWO to FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. DO NOT GIVE MORPHINE OR TRANQUILIZERS. Phorate is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

Personal Protective Equipment:

Applicators and other handlers must wear chemical-resistant protective suit, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure, and a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washing, use detergent and hot water. Keep and wash PPE separately from other laundry.

DISPOSAL

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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

TYPICAL APPLICATION RATES FOR VARIOUS ROW SPACINGS
(Equivalent pounds per acre)

row width (inches)	Rate-Oz./1,000 Ft. of Row									
	1.2 oz /1000 ft	3 oz /1000 ft	4.5 oz /1000 ft	6 oz /1000 ft	8 oz /1000 ft	10 oz /1000 ft	12 oz /1000 ft	14 oz /1000 ft	16 oz /1000 ft	18 oz /1000 ft
40"			3.7	4.9	6.5	8.2	9.8	11.4	13.1	14.7
38"			3.9	5.2	6.9	8.6	10.3	12.0	13.7	15.5
36"			4.1	5.4	7.3	9.1	10.9	12.7	14.5	16.3
34"			4.3	5.8	7.7	9.6	11.5	13.5	15.4	17.3
32"			4.6	6.1	8.2	10.2	12.2	14.3	16.3	18.4
30"			4.9	6.5	8.7	10.9	13.1	15.2	17.4	19.6
26"			5.7	7.5	10.0	12.6	15.1	17.6	20.1	22.6
24"			6.1	8.2	10.9	13.6	16.3	19.1	21.8	24.5
20"		4.9								
18"		5.4								
16"		6.1								
12"		8.2								
8"	4.9	12.2								
6"	6.5	16.3								

USE RECOMMENDATIONS BY CROP

CROP	PESTS	RATE	APPLICATION	REMARKS
BEANS At Planting Time	Mexican bean beetles	4.5-9.4 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing)	Distribute the granules evenly in the row to the side of the seed at planting. Do not place PHORATE granules in direct contact with the seed.	Do not graze or feed treated hay or foliage to livestock. Do not apply later than 60 days before harvest.
	Aphids Leafhoppers Lygus bugs Mites Seedcorn maggots Thrips	4.5-7.0 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing)		

CROP	PESTS	RATE	APPLICATION	REMARKS
FIELD CORN Application at Planting Time	corn rootworms mites wireworms (North Central, Southeastern states only) seed corn beetle (Iowa and Illinois only) Reduction of white grubs (North Central States only)	6.0 ozs. per 1000 ft. of row for any row spacing (minimum 30-inch spacing)	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 granules in direct contact with the seed. One additional application can be applied at cultivation or over corn later in the season.
FIELD CORN Application 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.	Do not make any applications of PHORATE after cultivation treatment.
	chinch bug nymphs (Colorado, Kansas, Nebraska)		Apply granules at time of cultivation in a band at base of plants just ahead of cultivator so as to cover granules with soil. Apply as soon as chinch bug nymphs are observed at base of plants. Granules must be placed at the infested region of the plants and adequately covered with soil.	Later infestations of chinch bugs may not be controlled. Do not make any applications of PHORATE after cultivation treatment.
Application Over the Plant	European corn borer (1st brood)	Broadcast the granules over the field by ground equipment at a rate of 5.0 lbs. per acre.	Apply granules into the whorl of the plant prior to tassel emergence.	Do not graze or cut for forage within 30 days of treatment. Do not make more than one application over the plant. Do not apply under prolonged drought conditions. Consult your state Experiment Station or State Extension Service for proper timing of application.
	corn leaf aphids, mites		Apply granules into the whorl of the plant.	
SWEET CORN Application at Planting Time	corn rootworms mites seed corn beetle (Iowa & Illinois only) Reduction of wire worms (North Central, Southeastern States only)	6.0 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch row spacing)	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 granules in direct contact with seed. One additional treatment can be made at cultivation.
Application at Cultivation Time	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.	Do not make any later applications after cultivation treatment.

CROP	PESTS	RATE	APPLICATION	REMARKS
COTTON At Planting Time	early season aphids, leaf miners, mites, thrips	3.0 ozs. per 1,000 ft. of row for any row spacing (minimum 36-inch spacing)	Distribute the granules evenly in the furrow at planting time. Soil moisture, and tilth should be favorable for good germination and emergence.	Suggested for areas where a limited period protection against early season pests is necessary for good cotton growth. Use 1.5 lbs. PHORATE 20G per acre for hill-dropped cotton.
	aphids, black cutworms, leafhoppers, leaf miners, mites, thrips, white flies	6.0-9.0 ozs. per 1,000 ft. of row for any row spacing (minimum 36-inch spacing)	Distribute the granules evenly in the furrow at planting time. Soil temperature, moisture and tilth should be favorable for good germination and emergence. Under adverse conditions plant stand may be affected.	Recommended for areas requiring an extended period of mite control as well as early season protection against other cotton pests. The higher rate is suggested for heavier soils.
At Side-Dressing Time (Irrigated cotton only)	mites from spring to early summer	9.0-12.0 ozs. per 1,000 ft. of row for any row spacing (minimum 36-inch spacing)	Incorporate granules into soil as a side-dress application deep enough to avoid disturbance by future cultivations.	Irrigate as soon as possible after treatment. Do not apply later than 60 days before harvest.
PEANUTS At Planting Time	leafhoppers, thrips	5.5 ozs. per 1,000 ft. of row for any row spacing (minimum 24-inch spacing)	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.	Do not graze or feed treated hay or forage to livestock.
At Pegging Time	leafhoppers, Southern corn rootworms	11.0 ozs. per 1,000 ft. of row for any row spacing (minimum 24-inch spacing)	Distribute the granules as a band over the fruiting zone at pegging time. Work into the top few inches of soil immediately.	This treatment will also control late infestations of leafhoppers. Do not graze or feed treated hay or forage.
POTATOES At Planting Time	Controls: aphids, flea beetle larvae, leaf-hoppers, leaf-miners, psyllids, wireworms	Light or Sandy Soils: 11.3 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing)	Distribute the granules evenly in the furrow or granules may be banded on each side of the row at planting time.	Wait 90 days after treatment before harvesting potatoes.
	Suppresses: flea beetle adults	Heavy or Clay Soils: 7.3 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing)		
	Colorado potato beetle (early season control)	Heavy or Clay Soils: 17.3 ozs. per 1,000 ft. of row for any row spacing (minimum 32-inch spacing)		

CROP	PESTS	RATE	APPLICATION	REMARKS
SORGHUM At Planting Time	aphids (greenbugs)	6.0 ozs. per 1,000 ft. of row for any row spacing (minimum 30-inch spacing)	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.	Do not place PHORATE granules in direct contact with seed. A second applica- tion of granules may be applied topically after the season.
Application at Cultivation	chinch bug nymphs (Colorado, Kansas, and Nebraska)		Apply granules at time of cultivation in a band at base of plants or over the row just ahead of cultivator so as to cover granules with soil. Apply as soon as chinch bug nymphs are observed at base of plants. Granules must be placed at the infested region of the plants and adequately covered with soil.	Later infestations of chinch bugs may not be controlled. Do not make any applications of PHORATE after cultivation treatment. Do not feed foliage before grain harvest.
Application Over the Plant	aphids (greenbugs), banks grass mites (excluding Trans Pecos area of Texas)	4.9 lbs per acre	Broadcast granules into the whorls of the plants by air or ground equipment.	Make only one application after plant emergence. Do not apply within 28 days of harvest.
SOYBEANS At Planting Time	For the early season control of Mexican bean beetle and leathoppers	9.0 oz. per 1,000 ft. of row for any row spacing (minimum 30-inch row spacing)	Distribute the granules evenly in the row to the side of the seed at planting time.	Do not place PHORATE granules in direct contact with the seed. Do not feed the foliage of treated soybeans. Crop injury may result when preplant incorporated or preemergence applications of metribuzin herbicides are used in conjunction with this product or other soil-applied organophosphate pesticides.
	seedcorn maggots	9.0 ozs. per 1,000 ft. of row for any row spacing (minimum 30- inch row spacing)	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 At Planting Time	aphids, beet root maggots, leathoppers, leafminers, mites	4.5 ozs. per 1,000 ft. of row for any row spacing (minimum 20-inch spacing)	Application should be made by drilling or broadcast at seeding time.	Do not place PHORATE granules in direct contact with the seed. Do not apply within 30 days of harvest. Do not feed sugar beet tops or silage to dairy cattle. Consult your State Experiment Station or State Extension Service for proper timing in your area.
Post-emergence	aphids, mites	4.9-7.5 lbs. per acre	Apply to foliage when plants are dry. Use the higher rate to dense foliage for good coverage.	

