

PM04

19713-505

8/9/99

1 of 5



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

19713-505

Date of Issuance:

AUG 9 1999

NOTICE OF PESTICIDE:

Registration

Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

Drexel Pilot™ 15G
Chlorpyrifos Agricultural
Insecticide

Name and Address of Registrant (include ZIP Code):

Ms. Luz G. Piwonka
Drexel Chemical Company
1700 Channel Avenue
Memphis, TN 38113

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec. 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. "19713-505".

Signature of Approving Official:

Dani Daniel
Insecticide-Rodenticide Branch
Registration Division (7505C)

Date:

AUG 9 1999

2 of 5

Page Two
19713-505

3. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosure:

3 of 5

ACCEPTED
with COMMENTS
In EPA Letter Dated:

AUG 9 1999

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
19713-505



PILOT™ 15G

Chlorpyrifos Agricultural Insecticide

LOW ODOR FORMULA

For control of various insects infesting certain field and vegetable crops.

ACTIVE INGREDIENT:

Chlorpyrifos: [O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate]	15.0%
OTHER INGREDIENTS:	85.0%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below

EPA Reg. No. 19713-
EPA Est. No.

Net Contents: _____

FIRST AID
ORGANOPHOSPHATE

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. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Flush with plenty of water for 5 minutes. Get medical attention if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and other handlers must wear: Long-sleeved shirt and long pants and shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. 3) Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds and wildlife and extremely toxic to fish and aquatic organisms. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters.

This product is not registered in California and Arizona. California and Arizona law prohibits sale, distribution and use within the State of any products not registered by the State.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all "Directions For Use" before applying. 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.

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, 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) and restricted entry interval (REI). *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 of 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area 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, shoes plus socks and waterproof gloves.



Manufactured By:
Drexel Chemical Company

P. O. BOX 13327, MEMPHIS, TN 38113-C327

SINCE 1972

4 of 5

APPROVED USES

Corn Field, Sweet Corn (including Corn grown for seed)*

Application Rates and Pests Controlled

Pests Controlled	Banded Applications (Ounces per 1,000 Feet of Row)				Pre-plant Broadcast Application (Pounds per Acre)	Aerial Broadcast Application (Pounds per Acre)
	At Plant Treatments		In-Furrow	Post-plant Treatment		
	T-Band	T-Band				
Northern and Western Corn rootworm larvae	8	8	8	8	-	-
Southern Corn rootworm larvae	8	8	8	8	-	-
Cutworms**	8	8	8	-	6½ to 13½	-
Wireworms***	8	8	8	-	13½	-
Billbugs	8	8	-	-	13½	-
Seed corn maggots	8	-	8	-	-	-
Grubs****	8	-	8	-	13½	-
Lesser cornstalk borers	8	8	-	-	-	-
Seed corn beetles	8	-	8	-	-	-
Flea beetle larvae	-	-	-	-	13½	-
Symphylans	8	8	-	-	-	-
Armyworms	-	-	-	6 to 8	-	-
European and Southwestern Corn Borers 1st Generation	-	-	-	3½ to 8	-	5 to 6½
2nd Generation	-	-	-	6 to 8	-	6½
Fire ants**	8	-	-	-	-	-
Chinch bugs**	8	-	8	-	-	-

*PILOT 15G Insecticide is compatible with all ALS inhibitor herbicides, including Accent, Beacon and Broadstrike herbicides, applied in accordance with label recommendations. Refer to the product labels for additional precautions and directions for use.

**8 ozs. rate suppression only for in-furrow treatments.

***For best control, apply as an in-furrow treatment. Consider using a hopper box insecticidal seed treatment with band and T-band applications. Use 12 oz./1,000 ft. of row for severe infestations.

****Use 12 ozs./1,000 ft. of row for severe infestations.

At Plant Band Treatment: In conventional, minimum and no-till Corn, place the granules in a 6 or 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 tines or chains or other suitable equipment. For Cutworm control under very dry soil conditions, best results will be obtained through proper incorporation. In soils over 10% organic matter, use the highest rate given.

At Plant T-Band Treatment: In conventional, minimum and no-till Corn, for control of Billbugs, Cutworms and Rootworms, in addition to Lesser cornstalk borers, Seed corn beetles, Seed corn Grubs and Maggots, Symphylans and Wireworms apply as a T-band over an open seed furrow. In conventional and minimum-till Corn, incorporate into the top ½ to 1 inch of soil using suitable equipment. For severe Grub and Wireworm infestations, use 12 ounces per 1,000 feet of row. This product has demonstrated suppression of certain soil-borne pathogens which may result in physiological and agronomic advantages to Corn under environmental stress conditions when compared to Corn not treated with this product.

At Plant In-Furrow Treatment: Apply this product at planting time as an in-furrow treatment in conventional, minimum and no-till Corn. 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. Equivalent rates of this product per acre for various row spacing are given in accompanying tables.

Post-plant Treatment: To control Corn rootworm larvae, apply this product at cultivation time by placing the granules at the base of the plant on both sides of the row just ahead of the cultivation shovels and cover the soil. To control European and Southwestern corn borer larvae, apply this product in a band over the row so that the granules are directed into the whorl or use a post-plant broadcast treatment. Use application rates of 3½ to 4 ounces of this product per 1,000 feet of row for low to moderate first generation infestations before larvae have entered Corn stalks. Use application rates of 6 to 8 ounces of this product per 1,000 feet of row for severe first generation infestations and all second generation infestations before larvae have entered Corn stalks.

Consult your State Agricultural Experiment Station or Extension Service Specialist for proper time to treat and local threshold information. Scouting for insect damage is strongly encouraged.

Post-plant Broadcast Treatment: Use this product for control of European and Southwestern corn borers by uniformly broadcasting the granules over the Corn plants by aerial application or by applying the granules into the Corn whorls by ground application. Apply at a rate of 5 pounds per acre for low to moderate first generation infestations or 6½ pounds per acre for severe first generation infestations and all second generation infestations. Apply before larvae have entered Corn stalks. Consult your State Agricultural Experiment Station or Extension Service Specialist for local threshold information. Scouting for insect damage is strongly encouraged.

Pre-plant Broadcast Treatment: Use equipment that will evenly distribute the granules over the treated area. Incorporate the granules into the soil using an S tine, C tine, 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.

Restrictions: For soil control, do not exceed the equivalent of 16 ounces of this product per 1,000 feet row or 13½ pounds of this product per acre per crop season. For foliar insect control, do not exceed the equivalent of 16 ounces of this product per 1,000 feet row or 13 pounds of this product 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)

Pest Controlled: Onion maggots

Application Rate: 3.7 ounces per 1,000 feet of row at an 18-inch row spacing.

At Plant In-Furrow Treatment: Apply as an at planting in-furrow treatment. In CO, ID, OR and WA, to control Onion maggots in Onions planted in double rows with rows spaced 2 to 4 inches apart, apply this product at the rate of 3.7 ounces per 1,000 feet of double row. Place the granules in a 5 to 7 inch wide band over both rows behind the planter shoe and in front of the press wheel to achieve shallow incorporation. Do not exceed 6.7 pounds per acre.

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

CITRUS GROVE FLOORS

Pests Controlled: Fire ants and other Ant species.

Application Rate: 6.7 pounds per acre.

Post-plant Broadcast Treatment: To control foraging Ants and suppress mounds, apply this product with ground application equipment. Use a suitable granular applicator, such as a cyclone fertilizer spreader, that will uniformly broadcast the granules over the grove floor. Retreat as needed. This product may be custom blended with granular fertilizers provided that application of the blended product plus fertilizer mixture can be applied uniformly to the grove floor. Do not apply where weed growth or other obstructions would impede uniform coverage of the grove floor.

Restrictions: Do not apply more than 67 pounds of this product per acre per crop season. Do not apply last treatment within 28 days before harvest. Do not allow livestock to graze in treated areas.

SORGHUM / MILO

Application Rates and Pests Controlled

Pests Controlled	Banded Applications (Ounces per 1,000 Feet of Row)	
	At Plant Treatments	
	T-Band	Band
Lesser cornstalk borers	4 to 12	4 to 12
Corn rootworms and cutworms	8	8
Fire ants*	8	-
Chinch bugs*	8	-

* 8 ounce rate - suppression only.

At Plant T-Band or Band Treatments: Apply in a 6 to 8 inch band over the row and incorporate into the top 1 inch of soil using suitable equipment. Equivalent rates of this product per acre for various row spacings are given in Table 1. Use the lowest rate for Lesser cornstalk borer control when protection is desired for 2 to 3 weeks and higher rates for longer residual activity. It is absolutely necessary to incorporate the granules, especially at lower rates.

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

PEANUTS

Use this product to control Cutworms, Lesser cornstalk borers, Southern corn rootworm larvae, suppress Wireworms and inhibit the growth and development of White mold (Southern blight) disease caused by *Sclerotium rolfsii*. This product will control only those Cutworms existing in the soil from the time of application up to 30 days following application.

5 of 5

RADISHES

Pests Controlled: Root maggots.

Application Rate: 3½ ounces per 1,000 feet of row.

At Plant In-Furrow Treatment: Place the granules in the seed furrow with the seed at planting time.

Restrictions: Do not apply more than 18½ pounds of this product per acre or make more than one application per season.

TABLE 1
Application Rates Table - Application Rates per 1,000 Feet of Row and Equivalent per Acre at Different Row Spacings

Amount of This Product per 1,000 Feet of Row	Pounds of This Product per Acre Required per Acre from Various Row Spacing							
	40"	38"	36"	34"	32"	30"	22"	18"
3.7 Ounces	3.0	3.2	3.4	3.6	3.8	4.0	5.5	6.7
4.0 Ounces	3.3	3.4	3.6	3.8	4.1	4.4	5.9	7.3
4.5 Ounces	3.7	3.9	4.1	4.3	4.6	4.9	6.7	8.2
6.0 Ounces	4.9	5.2	5.4	5.8	6.1	6.5	8.9	10.9
6.5 Ounces	5.3	5.6	5.9	6.2	6.6	7.1	9.7	11.8
7.5 Ounces	6.1	6.4	6.8	7.2	7.7	8.2	11.1	13.8
8.0 Ounces	6.5	6.9	7.3	7.7	8.2	8.7	11.9	14.5
9.0 Ounces	7.4	7.7	8.2	8.6	9.2	9.8	13.4	16.3
12.0 Ounces	9.8	10.3	10.9	11.5	12.3	13.1	17.8	21.8
15.0 Ounces	12.3	12.9	13.9	14.4	15.3	16.3	22.3	27.2
16.0 Ounces	13.1	13.8	14.5	15.4	16.3	17.4	23.8	29.0

GENERAL INSTRUCTIONS FOR EQUIPMENT CALIBRATION

Caution: The following chart lists suggested initial gauge settings for application of this product 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 setting 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.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

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.

TABLE 2
Equipment Calibration and Calibration Settings for Different Types of Equipment

Planter Type	Speed (mph)									
	4		5		6		7		8	
	Application Rate, Ounces per 1,000 Row Feet									
	8	16	8	16	8	16	8	16	8	16
Gauge Setting										
Gandy ¹	21.4	30.2	23.7	32.4	26.0	35.0	27.7	39.0	30.2	41.0
John Deere ¹ Max-Emerge ²	20	44	26	46	30	49	35	52	40	54
John Deere ¹ 7000 Max-Emerge (Odd Nos. on Gate)	14	22	16	24	18	26	19	28	21	30
John Deere ¹ 7000 Max-Emerge (Even Nos. on Gate)	17	30	20	33	24	35	26	36	28	38
John Deere ² 71 Flexi-Planter and Older Planters	$\frac{1}{30}$	$\frac{2}{17}$	$\frac{2}{5}$	$\frac{2}{22}$	$\frac{2}{9}$	$\frac{2}{27}$	$\frac{2}{13}$	$\frac{2}{31}$	$\frac{2}{16}$	$\frac{3}{16}$
Allis Chalmers ³ 70 Series	8	13	8	13	8	13	8	13	8	13
Allis Chalmers ⁴ 78 & 79 Series	$\frac{1}{9.0}$	$\frac{3}{3.0}$	$\frac{2}{3.3}$	$\frac{3}{9.5}$	$\frac{2}{6.0}$	$\frac{4}{3.0}$	$\frac{2}{9.0}$	$\frac{5}{4.0}$	$\frac{3}{2.5}$	$\frac{6}{0}$
Noble ^(NEW)	11	19	14	22	16	25	17	28	19	31
White Planter	11	19	14	22	16	25	17	28	19	31
International Harvester ⁴	$\frac{1}{9.0}$	$\frac{3}{3.0}$	$\frac{2}{3.3}$	$\frac{3}{9.5}$	$\frac{2}{6.0}$	$\frac{4}{3.0}$	$\frac{2}{9.0}$	$\frac{5}{4.0}$	$\frac{3}{2.5}$	$\frac{6}{0}$
Buffalo All-Flex ⁵ (Fleischer Mfg.)	4%	10	4%	10	4%	10	-	-	-	-

¹Gauge Setting
²Gauge setting with range 1 & 2 - number is range notch
³Gauge setting is constant regardless of speed.
⁴Gauge setting shown with stem gates & dial settings - number shown is gate dial
⁵Number of turns open on the adjustment nut.

WARRANTY—CONDITION OF SALE

Seller warrants that at the time of delivery the product in this container conforms to its chemical description contained hereon and is reasonably fit for its intended purpose under normal conditions of use. This is the only warranty made on this product. Seller expressly disclaims any implied warranties of merchantability or fitness for any particular purpose and, except as set forth above, any other express or implied warranties. Any damages arising from breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid for this product by Buyer, and shall not include incidental or consequential damages such as, but not limited to, loss of profits or values. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of the Seller. In no such case shall Seller be liable for the consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. Buyer acknowledges the use of its own independent skill and expertise in the selection and use of the product and does not rely on any oral or written statements or representations.