



Chlorpyrifos 15G

Agricultural Insecticide

ACTIVE INGREDIENT:	
Chlorpyrifos	15.0%
OTHER INGREDIENTS:	85.0%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See **FIRST AID** Below

EPA Reg. No. 19713-505

EPA Est. No. 19713-GA-1

Net Content:

50 Lbs.

FIRST AID Organophosphate
<p>IF SWALLOWED:</p> <ul style="list-style-type: none"> • Immediately call a poison control center or doctor 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 or convulsing person.
<p>IF IN EYES:</p> <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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.
<p>IF ON SKIN OR CLOTHING:</p> <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
<p>IF INHALED:</p> <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. • Call a poison control center or doctor for further treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.</p>
<p>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.</p>

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals
<p>CAUTION: Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing dust.</p> <p>PERSONAL PROTECTIVE EQUIPMENT (PPE) Loaders, applicators and all other handlers must wear: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate or Viton ≥14 mils, chemical-resistant footwear plus socks and a NIOSH approved particulate respirator with any N, R or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with HE filter with NIOSH approval number prefix TC-21C. See "ENGINEERING CONTROLS" for additional requirements. 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.</p>

ENGINEERING CONTROLS
<p>Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)]. When applicators use closed cab motorized ground equipment in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)], the handler PPE requirements may be reduced or modified as specified in the WPS.</p>

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

ENVIRONMENTAL HAZARDS
<p>This pesticide is toxic to fish, aquatic invertebrates, small mammals and birds. 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 may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.</p>



Manufactured By:
Drexel Chemical Company
 P.O. Box 13327, Memphis, TN 38113-0327

SINCE 1972

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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.

AGRICULTURAL USE REQUIREMENTS

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.

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 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), Restricted Entry Interval (REI), and notification of workers. The requirements in this box only apply to uses of this product that are covered by the WPS.

Exception: If this product is injected or incorporated into the soil, the WPS allows workers to enter the treated area if there will be no contact with anything that has been treated under certain circumstances.

Certified crop advisors or persons entering fields under their direct supervision under certain circumstances may be exempt from the early re-entry requirement pursuant to 40 CFR Part 170.

Do not enter or allow entry into treated areas during the REI. The REI for each crop is listed in the directions for use associated with each crop.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls over short-sleeved shirt and short pants, chemical-resistant footwear plus socks, chemical-resistant gloves made of barrier laminate or Viton \geq 14 mils and chemical-resistant headgear for overhead exposure.

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

RESISTANCE MANAGEMENT

CHLORPYRIFOS 15G contains a Group 1B insecticide. Insect and mite biotypes with acquired resistance to Group 1B may eventually dominate the insect/mite population if Group 1B insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 1B insecticides.

The following practices are recommended to delay development of insecticide resistance:

- Avoid consecutive use of insecticides with the same mode of action (same insecticide group) on the same insect species.
- Use tank-mixtures or pre-mix product containing insecticides with different modes of action (different insecticide groups), provided the products are registered for use.
- Base insecticide use on comprehensive Integrated Pest Management (IPM) programs.
- Monitor treated insect populations in the field for loss of effectiveness.
- Contact your Local Agricultural Extension Specialist, certified crop advisor, or Manufacturer for insecticide resistance management and/or IPM recommendations for the specific site and resistant pest problems.

RESTRICTIONS

Use as a wide area/general outdoor treatment for ants and other miscellaneous pests (excludes wide-area mosquito adulticide use) is prohibited.

Endangered Species Protection Requirements: It is a Federal offense to use any pesticide in a manner that results in an unauthorized "take" (e.g., kill or otherwise harm) of an endangered species and certain threatened species under the Endangered Species Act section 9. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult <http://www.epa.gov/espp/>, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you will apply the product.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 901-774-4370.

- Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, wetlands or natural ponds, estuaries, and commercial fish farm ponds).
- Do not apply directly to, or allow the product to enter sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
- Do not apply to vertical surfaces directly above pervious or impervious surfaces that drain into ditches, storm drains, gutters, or surface waters.
- Do not apply or irrigate to the point of runoff.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making decisions to apply this product.

The following buffer distances specified in the below table are distances in feet that must exist to separate sensitive sites from the targeted application site. Buffers are measured from the edge of the sensitive site to the edge of the application site. Sensitive sites are areas frequented by non-occupational bystanders (especially children). These include residential lawns, pedestrian sidewalks, outdoor recreational areas such as school grounds, athletic fields, parks and all property associated with buildings occupied by humans for residential or commercial purposes. Sensitive sites include homes, farm worker housing, or other residential buildings, schools, daycare centers, nursing homes and hospitals. Non-residential agricultural buildings, including barns, livestock facilities, sheds and outhouses are not included in this prohibition.

Only pesticide handlers are permitted in the setback area during application of this product. Do not apply this product if anyone other than a mixer, loader, or applicator is in the setback area. **Exception:** Vehicles and persons riding bicycles that are passing through the setback area on public or private roadways are permitted.

[**Note:** The required buffer zones below **do not** apply when this product is applied via furrow, T-banded, or post-emergent banded application methods.]

Application Rate (lb. a.i./Ac.) [Lbs. of this Product per Acre]	Required Setback (Buffer Zones) (ft.)	
	Aerial	Ground*
> 0.5 to 1 [> 3.33 to 6.66]	25	10
> 1 to 2 [> 6.66 to 13.33]	Not allowed	10
> 2 to 3 [> 13.33 to 20]	Not allowed	10
> 3 to 4 [> 20 to 26.66]	Not allowed	10
> 4 [> 26.66]	Not allowed	10

*The required buffer zones for ground application apply to applications made via spreaders.

RATES OF APPLICATION

Do not apply this product by aircraft at a rate greater than 1 pound Chlorpyrifos a.i. (6.6 lbs. of this product) per acre.

Rates of Application per 1,000 Ft. of Row and Equivalent Acreage at Different Row Spacings								
This Product per 1,000 Ft. of Row (oz.)	Required Amount of This Product per Acre (lbs.) for Various Row Spacings							
	40"	38"	36"	34"	32"	30"	22"	18"
3.7	3.0	3.2	3.4	3.6	3.8	4.0	5.5	6.7
4.0	3.3	3.4	3.6	3.8	4.1	4.4	5.9	7.3
4.5	3.7	3.9	4.1	4.3	4.6	4.9	6.7	8.2
6.0	4.9	5.2	5.4	5.8	6.1	6.5	8.9	10.9
6.5	5.3	5.6	5.9	6.2	6.6	7.1	9.7	11.8
7.5	6.1	6.4	6.8	7.2	7.7	8.2	11.1	13.6
8.0	6.5	6.9	7.3	7.7	8.2	8.7	11.9	14.5
9.0	7.4	7.7	8.2	8.6	9.2	9.8	13.4	16.3
12.0	9.8	10.3	10.9	11.5	12.3	13.1	17.8	21.8
15.0	12.3	12.9	13.9	14.4	15.3	16.3	22.3	27.2
16.0	13.1	13.8	14.5	15.4	16.3	17.4	23.8	29.0

CALIBRATION OF EQUIPMENT

Note: The chart below lists recommended 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 planter to the initial settings shown on table.
4. Measure off 1,000 feet of row and drive planter the pre-measured distance at desired speed.
5. Each bag should contain 6 to 8 ounces of granules, depending upon desired rate.
6. If the result is over or under the desired rate, adjust settings and repeat the calibration.

Equipment Calibration and Calibration Settings for Different Types of Equipment										
Planter Type	Speed (mph)									
	4		5		6		7		8	
	This Product per 1,000 Ft. of Row (oz.)									
	8	16	8	16	8	16	8	16	8	16
Gauge Setting										
Gandy ¹	21.4	30.2	23.7	32.4	26.0	36.0	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 & Older Planters	1/30	2/17	2/5	2/22	2/9	2/27	2/13	2/31	2/16	3/16
John Deere ³ Max-Emerge Plus	18	—	23	—	29	—	33	—	39	—
Allis Chalmers ⁴ 70 Series	8	13	8	13	8	13	8	13	8	13
Allis Chalmers ⁵ 78 & 79 Series	1/9	3/3	2/3.3	3/9.5	2/6	4/3	2/9	5/4	3/2.5	6/0
Noble ¹ (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 ⁵	1/9	3/3	2/3.3	3/9.5	2/6	4/3	2/9	5/4	3/2.5	6/0
Buffalo All-Flex ⁶ (Fleischer Mfg.)	4 7/8	10	4 7/8	10	4 7/8	10	—	—	—	—

¹ Gauge setting.
² Gauge setting with range 1 & 2 – number is range/notch.
³ An application rate of 16 oz. per 1,000 ft. of row is not attainable with this equipment.
⁴ Gauge setting is constant regardless of speed.
⁵ Gauge setting shown with stem gates & dial settings – number shown is gate/dial.
⁶ Number of turns open on the adjustment nut.

USE SITES

ALFALFA

For use ONLY in the following state: MO

Worker Restricted Entry Interval: Do not enter or allow worker entry into treated areas during the REI of 24 hours unless PPE required for early entry is worn.

Apply this product at planting as an in-furrow treatment for suppression of target pests during establishment. Direct granules into the planter shoe with the seed, then place the applicator tube directly behind the planter shoe so that granules drop into seed furrow. Alternatively, place the granular band applicator behind planter shoe so granules fall on soil surface and into the open seed furrow and are covered with soil.

Pest(s)	Maximum Single Application (lbs. per Acre)	Maximum Annual Application (lbs. per Acre)
Cutworms, Grubs, Wireworms	6.6 lbs./acre (1 lb. a.i./acre)	6.6 lbs./acre (1 lb. a.i./acre)

USE PRECAUTIONS AND RESTRICTIONS: Do not cut or graze treated Alfalfa within 21 days after application. Maximum single application rate is 1 lb. Chlorpyrifos a.i. (6.6 lbs. of this product) per acre. Do not make more than one application of this product or other products containing Chlorpyrifos per year.

ASPARAGUS

For use ONLY in the following state: MI

Worker Restricted Entry Interval: Do not enter or allow worker entry into treated areas during the REI of 24 hours unless PPE required for early entry is worn.

Apply this product as a post-harvest ground application for suppression of target pests. Apply as a band over the entire crown area when Asparagus beds have been split (i.e. remove most of the soil from above the crowns). Cover area with soil the day of application. **NOTE:** Control may be reduced in soils with high organic matter content.

Pest(s)	Maximum Single Application (lbs. per Acre)
Symphylans	6.6 lbs./acre (1 lb. a.i./acre)

USE PRECAUTIONS AND RESTRICTIONS: Do not apply within 180 days of harvest. Do not make more than one application of this product or other products containing Chlorpyrifos per year.

SOYBEANS

For use ONLY in the following states: AL, CO, FL, GA, IA, IL, IN, KS, KY, MN, MO, MT, NC, ND, NE, NM, OH, OK, PA, SC, SD, TN, TX, VA, WI, WV, WY

Worker Restricted Entry Interval: Do not enter or allow worker entry into treated areas during the REI of 24 hours unless PPE required for early entry is worn.

Use this product as an at-plant T-band treatment in a 4 to 10 inch band over an open seed furrow in front of press wheel and incorporate in to the top one-half to 1 inch of soil. For post-plant applications, incorporate granules in a 4 to 10 inch band to a depth of one-half to 1 inch using a suitable cultivator. Apply this product with equipment that will provide uniform distribution of granules over the row. Application rates of this product per acre for various row spacings are given in the **Rates of Application per 1,000 Feet of Row and Equivalent Acreage at Different Row Spacings** table.

Pest(s)	Banded Application (Oz. per 1,000 ft. of Row)	
	At-Plant T-Band	Post-Plant
Cutworm, Lesser cornstalk borer	8 (1.2 oz. a.i./1000 ft. row)	8 (1.2 oz. a.i./1000 ft. row)

USE PRECAUTIONS AND RESTRICTIONS:

- Do not apply within 28 days of harvest.
- Do not apply as an in-furrow treatment.
- Do not make more than one application of this product or other products containing Chlorpyrifos per year.
- Do not apply more than 1 lb. a.i./acre per year in AL, IL, FL, GA, SC, NC, VA.
- Do not apply more than 0.75 lbs. per acre per year in CO, IA, IN, KS, KY, MN, MO, MT, ND, NE, NM, OH, OK, PA, SD, TN, TX, WI, WV, and WY.
- The maximum single application per 1,000 ft. of row is 0.6 oz. Chlorpyrifos a.i. (4.5 oz. of this product).

SUGAR BEETS

For use **ONLY** in the following states: **IA, ID, IL, MI, MN, ND, OR, WA, WI**

Worker Restricted Entry Interval: Do not enter or allow worker entry into treated areas during the REI of 24 hours unless PPE required for early entry is worn.

At-Plant T-Band Application

Use this product in a band 4 to 5 inches wide behind the planter shoe, over the drill row, and in front of press wheel. **DO NOT APPLY GRANULES IN DIRECT CONTACT WITH SEEDS.** Apply - 1.25 lbs. a.i./Acre for ID, MI, MN, ND, OR, WA, and WI.

- 1.5 lbs. a.i./Acre for IA and IL. Incorporate granules into the top one-half to 1 inch of soil using suitable equipment.

Post-Emergence Band Application

Apply this product in a 3 to 5 inch wide band over Beet row (up to 2 to 4 true leaf stage of development). Apply 4.5 ounces of this product per 1,000 feet of row (equivalent to 6.7 lbs. of this product per acre for 22 inch row spacings). Incorporate into the top one-half to 1 inch of soil using suitable equipment.

Pest(s)	Maximum Single Application Rate 1.35 oz. Chlorpyrifos a.i. (9 oz. of this product) per 1,000 ft. of row or 2 lbs. Chlorpyrifos a.i. (13.3 lbs. of this product) per acre for 22 inch spacings.	
	Banded Application (Oz. per 1,000 ft. of Row)	
	At-Plant T-Band	Post-Plant
Cutworm	4.5	-
Sugarbeet root maggot ¹	4.5	4.5
Wireworms (suppression only)	4.5	-

SPECIFIC DIRECTIONS:

¹ Apply 4.5 oz. of this product per 1,000 ft. of row (equivalent to 6.75 lbs. of this product per acre for 22 inch spacings) when populations of Sugarbeet root maggot are expected to be low. If initial adult fly activity indicates higher than anticipated populations, apply Chlorpyrifos 4EAG at or near the time of peak adult emergence to augment control.

USE PRECAUTIONS AND RESTRICTIONS:

- Granular insecticides, including this product, may contribute to the stress of Sugarbeet plants under certain environmental conditions. Such stress may reduce plant stand or interfere with normal plant development. Herbicides used during pre-plant incorporation may interact with insecticides and enhance this stress.
- Do not apply within 30 days of harvest.
- Do not make more than one application of this product per year.

TOBACCO

Worker Restricted Entry Interval: Do not enter or allow worker entry into treated areas during the REI of 24 hours unless PPE required for early entry is worn.

This product may be used as a pre-plant broadcast treatment one week before transplanting. Use equipment that evenly distributes granules over treated area. Incorporate granules 2 to 4 inches into the soil using suitable equipment immediately following application.

Pests	This Product (lbs. per Acre) Maximum single application rate
Cutworms, Flea beetles, Mole crickets, Root maggots, Wireworms	13.2 lbs. (2 lbs. a.i./acre)

USE PRECAUTIONS AND RESTRICTIONS:

- Do not apply within 7 days of harvest.
- Do not make more than one application of this product or other products containing Chlorpyrifos per season.
- The maximum single application rate is 2 lbs. Chlorpyrifos a.i. (13.2 lbs. of this product) per acre.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place.

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

CONTAINER DISPOSAL:

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose in a sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.