

Trifluralin 10G

Registrant: Loveland Products, Inc.

GENERAL

EPA Registration Number:	34704-790	Signal Word:	CAUTION
CA Registration Number:	34704-790-ZA		
Active Ingredient:	10 - trifluralin	Application Methods:	Ground, Air
Label Version:	061306 V6D 08Y15	Mode of Action:	WSSA 3
Physical State:	Dry	Toxic To:	Estuarine Aquatic Invertebrates, Estuarine Fish, Freshwater Marine Aquatic Invertebrates, Freshwater Marine Fish, Oyster, Shrimp
Product Type:	Herbicide	Rainfastness:	
Formulation Type:	Granules		

ADDITIONAL INFORMATION

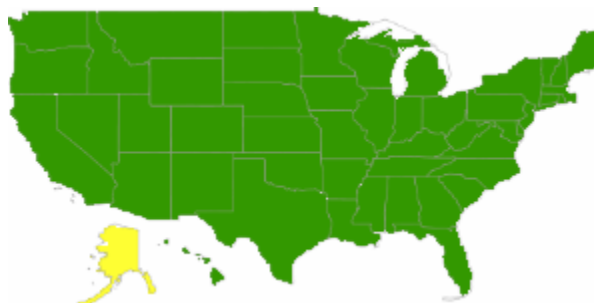
Federally Restricted:	No	Organic Certifications:	None
Posting Required:	No	Closed Mixing System Required:	All applications in All States/Provinces: Not required
Oral Notification Required:	No	Avoid Grazing:	See Label

CALIFORNIA

Registration #:	34704-790-ZA	CA Restricted:	No
CA NOI Required:	No		

REGISTERED FOR USE IN

AL, AR, AZ, CA, CO, CT, DE, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NM, NV, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY



PACKAGE TYPES

50 LB Package(s)	1000 LB Package(s) BULK BAG
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****Specific Notices will not be shown until a pest is selected.**

SAFETY

PPE Information:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F, on the EPA chemical resistance category selection chart. Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber \geq 14 mls, nitrile rubber \geq 14 mls, or viton \geq 14 mls, shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washable, use detergent and hot water. Keep and wash PPE separately from other laundry.

Re-Entry PPE Information:

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, soils, or water, is: coveralls, chemical-resistant gloves, such as barrier laminate, butyl rubber \geq 14 mls, nitrile rubber \geq 14 mls, or viton \geq 14 mls, shoes plus socks.

Transport Information:

LAND TRANSPORT DOT Shipping Description: 100 pounds and less: NOT REGULATED BY US DOT FOR SURFACE TRANSPORTATION DOT Shipping Description: 100 pounds and greater: UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (TRIFLURALIN) 9, III ERG GUIDE 171 U.S. Surface Freight Classification: COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2: CLASS 60)

Response Number:

800-424-9300

Medical Number:

866-944-8565

SDS Hazard ID Signal Word:

Warning

GENERAL NOTICE 1

STORAGE AND DISPOSAL Do not contaminate water, food, or feed by storage or disposal. Storage: Store in original container only. In case of spill, contain material and dispose as waste. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container Disposal: Nonrefillable container. Do not reuse or refill this container. Completely empty bag 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. For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC - 1-800-424-9300.

GENERAL NOTICE 2

FIRST AID If in eyes: - 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. If swallowed: - Call a poison control center or doctor immediately for treatment advice. - Have a person sip a glass of water if able to swallow. - Do not induce vomiting unless told to do so by the poison control center or doctor. - Do not give anything by mouth to an unconscious person. If Inhaled: - Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. - Call a poison control center or doctor for further treatment advice. If on skin or clothing: - 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. **FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.** Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

GENERAL NOTICE 3

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION Causes eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with skin, eyes or clothing. This product may cause skin sensitization reactions in some people.

GENERAL NOTICE 4

Engineering Controls Statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

GENERAL NOTICE 5

USE SAFETY RECOMMENDATIONS Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing 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.

GENERAL NOTICE 6

ENVIRONMENTAL HAZARDS This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. Do not contaminate water when disposing of equipment washwaters.

GENERAL NOTICE 7

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.

GENERAL NOTICE 8

GENERAL PRECAUTIONS Applied according to directions and under normal growing conditions, Trifluralin 10G will not harm the treated crop. Over-applications may result in crop injury or rotational crop damage from soil residue. Uneven application or improper incorporation can result in erratic weed control or crop injury. Seedling disease, cold weather, deep planting, excessive moisture, high salt concentration or drought may weaken crop seedlings and increase the possibility of damage. Under these conditions, delayed crop development or reduced yields may result. Avoid applying Trifluralin 10G to soils that are wet or are subject to prolonged periods of flooding as poor weed control may result.

GENERAL NOTICE 9

VEGETABLE CROPS Vegetable crops other than those listed on this label for use with preplant soil incorporated application of Trifluralin 10G should not be planted within 5 months after an application of Trifluralin 10G.

GENERAL NOTICE 10

APPLICATION DIRECTIONS Application Apply Trifluralin 10G with ground or aerial broadcast applicator properly calibrated to apply the granules uniformly. Apply at the recommended rate for soil texture to be treated. Follow calibration directions provided by the equipment manufacturer. Avoid concentration of material in narrow bands. Freezing will not adversely affect this product. If product is frozen at time of application, agitate or thaw to restore free-flowing granules. Soil Preparation Trifluralin 10G may be applied to standing stubble or soil that has been pretilled. The soil surface should be smooth enough to allow for uniform application and efficient incorporation. Existing weeds and crop residues should be reduced to a manageable level using tillage so that this product can be uniformly incorporated into the top 2 or 3 inches of the final seed bed. Soil surface conditions and soil moisture should be sufficient to allow breakup of large clods and uniform mixing of Trifluralin 10G into the top 2 or 3 inches of soil. If this is not possible the soil should be tilled prior to application. Soil compaction and/or nonuniform incorporation may occur where soil is excessively moist. Soil Texture Trifluralin 10G rate recommendations for incorporated treatments are based on soil texture and organic matter content. A fine texture soil will require a higher application rate than a coarse textured soil. Choose the proper rate for each application based on the soil texture. Refer to the table below to determine your soil texture. Soil Texture Soil Content Coarse (Light) Soils Sand, loamy sand, sandy loam Medium Soils Loam, silty clay loam*, silt loam, silt, sandy clay loam* Fine (Heavy) Soils Clay, clay loam, silty clay loam*, silty clay, sandy clay, sandy clay loam* *Silty clay loam and sandy clay loam soils are transitional soils that may be classified as either medium or fine textured soils. If silty clay loam or sandy clay loam soils are predominantly sand or silt, they are usually classified as medium textured soils. If they are predominantly clay, they are usually classified as fine textured soils. Drift Advisory Avoiding drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for drift. The applicator and the grower are responsible for considering all these factors when making decisions. This pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

GENERAL NOTICE 11

APPLICATION TIMING Spring Application Apply Trifluralin 10G any time after January 1 when soil can be worked and is suitable condition for good incorporation. See Approved Crops section for recommendations on specific crops. Fall Application In California, Minnesota, North Dakota and South Dakota, apply Trifluralin 10G any time between September 1 and December 31. In all other states, fall apply anytime between October 15 and December 31. Refer to the Approved Crops section of this label for specific rate recommendations. Increased rates for fall application are recommended for certain crops growing in certain geographic areas. For crops for which there are no specific fall application instructions, and for which Trifluralin 10G is recommended as a preplant incorporated treatment, use other rates listed for spring applications. In areas receiving greater than 20" total average annual rainfall and irrigation, use the higher rate in the recommended rate range. Do not fall apply Trifluralin 10G prior to planting sugar beets, potatoes and direct seeded tomatoes the following spring. Ground may be left flat or bedded- up over winter. On bedded ground, knock beds down to desired height before planting, moving some treated soil from beds into furrow. Where soil is left flat over winter, be careful not to turn up untreated soil during spring bedding operations. Destroy established weeds during seed bed preparation. Prior to planting, destroy any weeds which have become established in furrow due to uncovering of untreated soil. Do not apply this product in the fall to soils that are wet or subject to prolonged periods of flooding, or where rice was grown the previous year.

GENERAL NOTICE 12

INCORPORATIONS DIRECTIONS Incorporation Before Planting Trifluralin 10G must be incorporated the first time within 24 hours after application. A second incorporation is required for best results and should be made 3-5 days of the first and be completed prior to planting. A minimum delay of 7 days after the first incorporation is recommended for certain uses in small grains. Incorporation should place the Trifluralin 10G into the top 2 to 3 inches of the final seedbed or erratic weed control and/or crop injury may result. Generally, incorporation equipment will place the chemical approximately half as deep as the equipment is run. For example, a disc running 4 inches deep will incorporate Trifluralin 10G approximately 2 inches deep. Incorporation in Established Crops Check crop list for those crops approved for incorporation in certain established crops. Incorporation in Bedded Culture For effective weed control, Trifluralin 10G should be incorporated into the top 2 to 3 inches of the final seedbed. Application prior to Bedding Apply and make first incorporation with recommended equipment. The bedding operation serves as the second incorporation. Do not expose untreated soil during post-bedding operations*. Application after Bedding Knock off beds to planting height before applying. Apply Trifluralin 10G and incorporate with recommended equipment that will conform to the bed shape. Do not leave the untreated soil exposed*. *Avoid removal of treated soil from the seed bed before or during the planting operation. Exposure of untreated soil, will allow weeds to germinate in the drill row. Incorporation Equipment Any recommended incorporation implement may be used alone or in combination with any other recommended implement. Two incorporation passes are necessary unless otherwise specified. The second incorporation should not be deeper than the first. Disc: Set to cut 4 to 6 inches deep and operate at 4 to 6 mph. Field Cultivator: Set equipment to cut 3 to 4 inches deep and operate at 5 or more mph. A field cultivator is an implement with 3 to 4 row of sweeps, spaced at intervals of 7 inches or less and staggered so that no soil is left unturned. Chisel points should not be used. Chisel Plow (for use in Northern Great Plains): The chisel plow may be used for the first incorporation pass only. Any other recommended incorporation implement may be used for the second pass for row crops. The chisel plow maybe used for any tillage or incorporation pass in the Summer Fallow program. Operate chisel plow 4 to 5 inches deep at 4 to 6 mph. Combination Seedbed Conditioners: Combination implements should be set to cut 3 to 4 inches deep and operate at a speed of at least 6 mph. These implements are devined as three or more tillage devices combined and used as a single tool. For example, 2 to 3 rows of field cultivator c- or s- shaped shanks with an effective sweep spacing of 6 to 9 inches (staggered so that no soil is left unturned), followed by a spike-tooth or flexline harrow, followed by a ground-driven reel or basket. Rolling Cultivator: Set to cut 2 to 4 inches deep and operate at 6 to 8 mph. Rolling cultivators are adequate for use on coarse and medium textured soils only. Mulch Treader (other similar disc-type implements): Set to cut 3 to 4 inches deep and operate at 5 to 8 mph. P.T.O Driven Equipment (tillers, cultivators, hoes): Adjust to incorporate Trifluralin 10G into the top 2 to 3 inches of the seedbed with rators spaced to provide a clean sweep of the soil. Only one incorporation is necessary. P.T.O. driven equipment should be operated at a speed greater than 4 mph. Other Equipment: Other implements including a flexible tine-tooth harrow (Flexline or Melroe), sweep-type cultivator or rolling cultivator are recommended, but only for certain uses defined in the Approved Crops section of this label. Cultivation after Planting Treated soil may be shallowly cultivated without loss of weed control activity. Avoid deep cultivation since this could bring untreated soil to the soil surface and loss of weed control may result.