



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 4, 2020

Luz G. Chan
Registration Manager
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

Subject: Registration Review Label Mitigation for Trifluralin
Product Name: Trifluralin 1.47G
EPA Registration Number: 19713-711
Application Date: February 13, 2020
Decision Number: 559741

Dear Ms. Chan:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Trifluralin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

Page 2 of 2
EPA Reg. No. 19713-711
Decision No. 559741

If you have any questions about this letter, please contact Marisa Wright by phone at (703) 347-0463, or via email at wright.marisa@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure

ACCEPTED

Aug 04, 2020

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 19713-711

Drexel

Trifluralin 1.47G

NOT FOR USE ON LAWNS

ACTIVE INGREDIENT:

Trifluralin..... 1.47%

OTHER INGREDIENTS: 98.53%

TOTAL: 100.00%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See FIRST AID Below

[See Side Panel for FIRST AID]; [See Back Panel for FIRST AID];

[See Page ___ for FIRST AID]

[See Attached Booklet for Complete Directions for Use]

EPA Reg. No. 19713-711

EPA Est. No. 19713-XX-XXX

Net Content: _____ Lbs. (____ Kg)

FIRST AID

IF IN EYES:

- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC at 800-424-9300 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear appropriate protective eyewear.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water.

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 any person or pet either directly or through drift. Keep people and pets out of the area during application.

PRODUCT INFORMATION

TRIFLURALIN 1.47G prevents most weeds from germinating in flower and vegetable gardens, in ground covers and around trees and shrubs. Although this product will not kill existing weeds, it will prevent new weeds from sprouting - eliminating the need for difficult and time-consuming hand weeding. Without weeds, your valuable plants can grow larger and stronger. Your beds will stay neat and weed-free all season long.

USE RESTRICTIONS

- **NOT FOR USE ON PLANTS BEING GROWN FOR SALE OR OTHER COMMERCIAL USE, OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES. FOR USE ON PLANTS INTENDED FOR AESTHETIC PURPOSES, OR CLIMATIC MODIFICATIONS AND BEING GROWN IN ORNAMENTAL GARDENS.**
- Do not apply this product to muck soils or to soils containing more than 10% organic matter.
- Do not use with plants other than those listed on this label.
- This product is not for use on lawns or enclosed areas such as greenhouse.

USE PRECAUTIONS

- To avoid plant injury, allow Ajuga, Myrtle or Pachysandra to be well established first prior to application of this product.
- Injury may occur to subsequent crops sensitive to this product if this product is over applied.
- To prevent staining to unintended surfaces, e.g., concrete, stone walks, vinyl surface, etc., sweep up stray granules as soon as possible.

ENTRY RESTRICTIONS

Do not allow people or pets to enter the treated area until dusts have settled. If product is watered-in, do not enter or allow others to enter the treated areas (except those involved in the watering) until the watering-in is complete and the surface is dry.

WEEDS CONTROLLED

Annual Grasses		
Barley, Hare	Fescue, Rattail	Panicum, Texas
Barnyardgrass (Watergrass)	Foxtail	Sandbur
Bluegrass, Annual	Goosegrass	Signalgrass (Brachiaria)
Brome	Johnsongrass (from seed)	Sprangletop
Cheat	Junglerice	Stinkgrass
Crabgrass	Lovegrass	Wildcane
Cupgrass, Southwestern	Oat, Wild	Witchgrass
Cupgrass, Woolly	Panicum, Fall	-

Broadleaf Weeds		
Carelessweed	Kochia	Pusley, Florida
Carpetweed	Lambsquarters	Thistle, Russian
Chickweed, Common	Nettle, Stinging	-
Goosefoot	Pigweed	-
Henbit	Puncturevine (Western U.S. only)	-
Knotweed	Purslane	-

WHERE TO USE

This product can be used around the following ESTABLISHED plants:

BULBS, FLOWERS, HERBS, GROUND COVERS AND ORNAMENTAL GRASSES

Aaron's beard	Floss flower (Ageratum)	Peter pan, Dwarf
Alyssum	Forget-me-not	Petunia
Arctotis	Four o'clock	Phlox
Aster (Perennial, Stoke's)	Foxglove	Pincushion flower (Scabiosa)
Baby's breath	Gaillardia	Plumbago, Dwarf
Balsam	Gather	Poppy, California
Beard tongue	Gazania	Portulaca
Bee balm	Gayfeather	Rockrose
Begonia	Geranium	Rose
Bellflower	Germander	Rosemary
Blackeyed Susan	Geum	Rudbeckia
Bleeding heart	Gladiolus*	Rupturewort
Bunge	Golden glow	Sage, Russian
Calendula	Grass (Beech, Dwarf mondo, Eulalia, Fountain, Mascarene, Mondo, Pampas, Ribbon, Zoysia)	Salvia
Calliopsis	Guara	Silver mound
Cape weed	Hakonechloa, Golden	Snapdragon
Carex, Variegated	Hollyhock	Snow-in-summer
Carnation	Hosta, Albo-marginata	Snow-on-the-mountain
Carpet bugle (Ajuga)	Hyacinth	Speedwell
Ceanothus	Ice plant (Largeleaf, Trailing, Trailing rosea, White)	Spurge, Japanese
Centaurea, Velvet	Impatiens	St. John's wort
Chrysanthemum	Iris, Bulbous	Statice
Coneflower, Purple	Ivy (Algerian, California, English, Needlepoint)	Stock
Coral bells	Ixora	Stonecrop
Coreopsis	Jasmine (Angelwing, Asian Lamb's ear)	Strawberry, Beach
Cornflower, Purple	Lavender, English	Sunflower
Cosmos	Lily turf (Big blue, Green/Creeping, Lilac beauty, Majestic, Silvery sunproof, Variegated lirioppe, White)	Sweet alyssum
Cotoneaster	Lily-of-the-Nile	Sweet pea
Coyote bush, Dwarf	Lobelia	Sweet sultan
Crown Vetch	Lupine (Lupinus)	Sweet William
Daffodil	Marigold	Thrift
Dahlia	Marigold, Cape (Dimorphoteca)	Tickseed
Daisy (African, Painted, Shasta, Trailing African)	Morningglory	Tulip
Daylilly	Myoporum	Verbena
Descampsia	Narcissus	Wire plant
Dianthus	Nasturtium	Wirevine, Creeping

Dusty miller	Nicotiana	Yarrow (Achillea)
Fern, Asparagus	Ozark sundrop	Zinnia
Fescue, Blue	Periwinkle (Vinca)	
*Gladiolus corms more than 1 inch in diameter		

SHRUBS

<p>Abelia (Edward goucher, Glossy) Acacia (Abyssinia, Prostrate, Shoestring) Andromeda, Japanese Arborvitae (American, Aureus nano-dwarf golden, Emerald, Globosa-globe, Little giant-dwarf, Minima glauca-dwarf, Nigra-dark American, Pyramidalis-pyramid, Rheingold, Techny) Azalea Bamboo (Compacta-dwarf, Harbour dwarf-heavenly, Heavenly, Nana-compacta-heavenly, Nana purpurea-heavenly, Woods dwarf heavenly) Barberry (Atropurea-redleaf, Japanese, Aurea-golden Japanese, Crimson pygmy, Japanese, Mento, Rose glow, William Penn) Bottlebrush (Lemon, Weeping) Bougainvillea (Barbara Karst, California gold, Pink pixie, Scarlett O'Hara, Temple fire, Texas dawn) Boxwood (Common, Harlands, Japanese, Korean, Littleleaf) Broom (Hollandia-warminster, Lena-Scotch) Camellia (Japanese, Sasanqua) Cassia, Feathery Century plant Cherry (Carolina laurel, Dwarf pink flowering almond) Cinquefoil Cleyera, Japanese Cotoneaster (Bearberry, Cranberry, Himalayan, Praecoxearly, Pyrenees, Rock, Zabel) Coyotebush Cypress (Filifera-thread, Kosteri, Nana-dwarf Hinoki, Torulosa) Daphne, Fragrant Deutzia Dogwood (Baileyi red osier, Flaviramea-yellow twig, Sibirica-Siberian) Elaeagnus Euonymus (Canadale, Emerald'n gold, Silver king, Spreading, Sunspot, Variegated evergreen, Winged, Wintercreeper) Fern (Tassel, Japanese painted) Firethorn (Pyracantha) Forsythia Gardenia (August beauty, Mystery, Radican) Guava, Pineapple Hawthorn, India</p>	<p>Heather (Cornish, Purple bell, Mediterranean pink, Spring torch scotch) Hibiscus, Ross Estey Holly Honeysuckle (Cape, Trumpet) Hopseed bush Ixora Jessamine, Carolina Juniper Lantana Laurel (American Cherry, Mountain) Leaf (Copper, Salarilemon) Leucothoe (Coast, Drooping) Lilac (Common, Chinese, Wild) Lily-of-the-Valley (Forest flame, Mountain fire, Snowdrift, Templebells, Valley rose, Valley Valentine) Mahonia (Creeping, Leather leaf) Maple (Amur, Coral bark Japanese, Dwarf Japanese) Mock orange Myrtle (Crape, Wax) Oleander (Hardy red, Ruby lace Osmanthus, Fortunes) Palm (Areca, Chinese fountain, Christmas, Pigmy date, Sago) Photinia, Fraser's Pieris Japonica Pine, Mugo-mugho Pittosporum (Green, Japanese, Wheeler's dwarf) Plumbago Privet Red Cedar, Eastern Rhamphiolepis (Charisma-Monruce, Enchantress-Moness, Roundleaf, Springtime-Monme) Rhododendron Robira Rose Rose, Ramanas Rose of Sharon (Heart, Red bird, Woodbridge) Sakaki Silverberry Skimmia (Japanese, Reeve's) Smoke Tree (Royal purple, Coral beauty, Eichholz)</p>	<p>Spiraea (Anthony Waterer, Bridal wreath, Dolchia, False, Japanese alpine, Shirobana, Vanhoutte) Sumac, African Summersweet Sweetspire, Henry Garnet holly leaf Viburnum Weigela Willow Woadwaxen Woodbine (Flowering, Serotina) Xylosma Yew (Anglojap, Plum, Upright Japanese) Yewpine Yucca</p>
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TREES

<p>Ash (Shamel, White) Banana Birch (European white, Paper River) Blackgum Bottle tree Carob Carrot wood Cherry, Yoshino flowering Coolibah tree Cottonwood Crabapple Cypress (Arizona, Bald, Filicoides-fernspray, Gracilis slender Hinoki, Squarrosa-moss, Swara false) Dogwood (Cloud nine, Flowering, Kousa Elm, Chinese) Eucalyptus (Mealy, Redgum, Red ironbark, Silver dollar) Ficus, Mini Fir (Balsam, Douglas, White Florida anise tree) Ginko maidenhair tree Hawthorn, Green Hemlock (Canada, Eastern) Larch, Japanese Linden Locust (Black, Honey, Shademaster honey) Magnolia Mahogany Maple (Albus-flowering, Flame, Luteus-flowering, Norway, Red, Red Sunset, Roseus-flowering, Silver, Sugar, Tangerine flowering, Vesuvius red-flowering)</p>	<p>Mesquite, Chilean Mulberry, White Oak (Bear, Live, Pin, Red, Scarlet, Willow) Olive (Black, Russian) Palm (Mexican fan, Parlor, Queen) Pine (Austrian, Beach, Bosnian, Bristlecone, Canary Island, Columnar Scotch, Eastern white, Eldarica, Japanese black, Labially, Monterey, Pumilio-shrubby swiss mountain, Red, Scotch, Shore Planetree, London Podocarpus) Redbud, Eastern Red Cedar, Eastern Sequoia, Giant Sourwood Spruce (Colorado, Dwarf Alberta, Dwarf globe blue, Glauca-Colorado blue, Hoopsii-Hoop's blue, Koster-blue, Norway, Pendura weeping Norway, Repens spreading Norway, White) Sweetgum, American Sycamore (American, California Tab, Yellow) Toyon Tuliptree Willow</p>
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NON-BEARING FRUIT, NUT TREES AND PLANTS

<p>Almond Apple Apricot Avocado Blackberry Blueberry Boysenberry Cherry, Sour Cherry, Sweet Chestnut, Chinese Currant Dewberry Elderberry Fig</p>	<p>Filbert Gooseberry Grape, American Grape, European Grapefruit Kiwi Lemon Loganberry Macadamia nut Nectarine Olive Orange Peach Pear</p>	<p>Pecan Pistachio Plum Pomegranate Prune Raspberry Tangelo Tangerine Walnut, Black Walnut, English</p>
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WHEN TO APPLY

Apply anytime during the growing season around established plants and transplants. Use this product after flowering plants have germinated and are 2 to 3 inches tall. **Note:** This product is not for use on flower seeds.

This product may also be incorporated into the soil when seeding vegetables or applied after mulching beds. First remove any weeds that have already begun to grow since this product does not kill existing weeds. Applying this product as early as possible can eliminate the need for hand weeding. Rain does not wash this product out of the soil. Repeat application every 9 to 12 weeks to keep ornamental beds free of weeds all season long.

HOW TO APPLY

To avoid plant injury, apply this product when foliage is dry. Sprinkle this product on soil surface at rate given below for your specific planting situation. Once activated by watering or soil incorporation, this product forms a weed control barrier in the top layer of soil, preventing weed seeds from germinating. Disturbance to the soil surface after activation may result in erratic weed control.

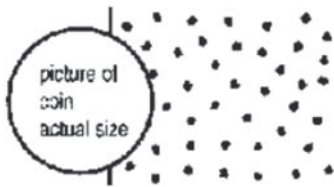
Soil Incorporation

This product must be incorporated within 24 hours after application either by mechanical incorporation or at least 0.5 acre inch of water (rainfall or irrigation). If a second incorporation is needed, it should be delayed 3 to 5 days after the first incorporation and be completed prior to planting.

APPLYING AROUND ESTABLISHED PLANTS AND TRANSPLANTS

For flowers, roses, herbs, ground covers, ornamental grasses, shrubs, trees and listed vegetables at least 2 to 3 inches tall (see special section for use on vegetables), sprinkle this product evenly over the entire soil surface at the rate of 1 ounce per 10 square feet (see picture below). Make sure to keep granules away from plant roots and foliage. Immediately water this product into soil surface. If watering-in is not convenient, lightly rake into soil surface. Always wash or brush off stray granules from plant foliage to avoid damage or discoloration.

Surface Application Rate: Sprinkle this product as shown on soil surface.



APPLYING WITH MULCH

For best weed control, apply this product after spreading mulch on your flower and shrub beds. Sprinkle this product on top of the mulch at surface rate (see picture above). Make sure to keep granules away from plant foliage. Immediately water this product into mulch. If watering-in is not convenient, lightly rake into top layer of mulch. Always wash or brush off stray granules from plant foliage to avoid damage or discoloration.

FOR USE ON VEGETABLES

First, remove all existing weeds. Then lightly rake to prepare a smooth soil surface. Uniformly mix this product into the top 1 to 2 inches of soil immediately after application, using care not to damage any emerged crops. Rate of application depends on type of soil: 1 pound per 640 square feet for *heavy clay-type soils*; 1 pound per 960 square feet for *medium loam soils*; and 1 pound per 1,280 square feet for *light sandy soils*.

Before Seeding: Broccoli, Brussels sprouts, Cabbage, Carrots, Cauliflower, Celery, Collard, Black-eyed peas, Field peas, Green peas, Kale, Lentils, Lima beans, Mustard greens, Okra, Radish, Southern peas (Cowpeas), Snap beans, Turnip greens.

After Seeding or Transplanting: Cantaloupes, Cucumbers, Watermelons - Apply after plants have developed at least 5 leaves.

After Planting: Potatoes (except in Maine) - May be applied after planting, before or after emergence. Use care not to damage seed pieces in cultivating nor allow treated soil to contact emerged plant foliage.

Before Transplanting: Celery, Broccoli, Brussels sprouts, Cabbage, Cauliflower, Eggplant, Peppers, Onions, Tomatoes.

Perennial Vegetables: Asparagus - Apply prior to spear emergence of established plants.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container. Keep container closed and away from food, feedstuff and domestic water supplies.

PESTICIDE DISPOSAL: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. **If empty**, place in trash or offer for recycling if available. **If partially filled**, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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.

[When used as directed, _____ guarantees you will be satisfied with the performance of this product. To the extent consistent with applicable law, the Manufacturer or Seller makes no warranties, expressed or implied, concerning this product or its use, which extend beyond the description on the face hereof. All statements made concerning this product apply only when used as directed.]

Manufactured By:



The Drexel logo is a registered trademark of Drexel Chemical Company.

Optional Marketing Statements:

- [1 LB. covers up to 160 [square feet] [sq. ft.]]
- [25 LBS. covers up to 4,000 [square feet][sq. ft.]]
- [5.625 LBS. covers up to 900 [square feet] [sq. ft.]]
- Apply (Use) any time throughout the growing season.
- Apply (Use) anytime - Spring, Summer or Fall
- Contains Trifluralin.
- Easy To Apply - Just shake (sprinkle) on.
- Easy to Use (Apply)
- Easy to Use Applicator
- Easy to Use Built-in Applicator
- Effective Weed Control - Prevents (stops) weeds all season long - eliminates the need for hand weeding
- Flowers and Gardens Weed Stopper (Preventer)
- Great over mulch.
- Herbs, Ground Covers, Ornamental Grasses, Shrubs, Trees & Vegetables
- Prevents (Stops) Weeds in Flowers and Gardens
- Prevents (Stops) weeds in one easy application.
- Prevents (Stops) Weeds in Ornamental beds and around Bulbs, Flowers, Roses,
- Prevents (stops) weeds up to three (3) months.
- Ready to use granules
- Ready to Use Granules with Built-in Applicator (For [Containers] [Bags] with Built in Applicator Only)
- Ready To Use Granules with Built-in Applicator (*For plastic containers only*)
- Refillable Weed Preventer Canister (*For plastic containers only*)
- Sprinkle around flowers, vegetables, trees, shrubs
- Stop (Prevents) weeds before they start!
- Stop[s] weeds *before* they start around flowers, vegetables, trees, shrubs
- With built-in applicator
- With Trifluralin