

PH 23 1812-328

10/7

13 AUG 1992

Ms. Carol Eakins
 Griffin Corporation
 P.O. Box 1847
 Valdosta, GA 31603-1847

Subject: Label Amendment- Label Changes
 Trilin 10G
 EPA Registration Number 1812-328
 Your Submissions Dated November 19, 1991 and
 July 23, 1992

Dear Ms. Eakins:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following changes:

1. Under "Alfalfa Established", delete the precaution "Do not make more than 2 applications of Trilin 10G to alfalfa within a 12 month period" and replace it with "Trilin 10G should be applied only once per growing season."
2. Under "Alfalfa Established", delete the reference to aerial application so the label is revised to restrict applications to ground applications only.

A stamped copy is enclosed (please also see enclosed review) for your records. Please submit three (3) copies of final printed labeling incorporating the above changes.

Sincerely yours,

Joanne I. Miller
 Product Manager (23)
 Fungicide-Herbicide
 Registration Division (H7505C)

Enclosures

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	Robbins						
DATE	8/12/92						



1812-328

Trilin[®] 10G

HERBICIDE

MADE IN THE U.S.

ACTIVE INGREDIENTS

Trifluralin a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine.....

ACCEPTED
with COMMENTS
in EPA Letter Dated:

13 AUG 1992

10%

INERT INGREDIENTS.....

90%

TOTAL.....

100%

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

1812-328

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water for at least 15 minutes. Get medical attention.

IF ON SKIN: Wash immediately with soap and water.

IF SWALLOWED: Drink 1 to 2 glasses of water. Induce vomiting by placing finger in back of throat. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

GRIFFIN CORPORATION
VALDOSTA, GA 31601

EPA REG NO 1812 328

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3071

PRECAUTIONARY STATEMENT HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wear safety glasses when handling. Wash thoroughly with soap and water after handling. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites. Do not contribute water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

Do not contaminate water, food, feed, other pesticides, fertilizer or seeds.

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: Completely empty bag by shaking and tapping sides and bottom to loosen any clinging particles into application equipment. Then dispose of bags in a sanitary landfill or by incineration, or if allowed by State and local authorities by burning. If burned, stay out of smoke.

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 through any type of irrigation system. Trilin 10G is a herbicide which must be applied prior to the emergence (preemergence) of annual broadleaf and grassy weeds. To assure prolonged control (seasonal) of weeds shown below, soil incorporation is essential.

BROADLEAF AND GRASSY WEEDS CONTROLLED BY TRILIN 10G

BROADLEAF WEEDS

Carpenterweed	<u>Mollugo verticillata</u>	Pigweed	<u>Amaranthus spp.</u>
Chickweed	<u>Stellaria media</u>	(Carelessweed)	
Florida Pusley	<u>Richardia scabra</u>	(Prostrate Pigweed)	
(Florida purslane)		(Radroot)	
(Mexican clover)		(Rough Pigweed)	
(Pusley)		(Spiny Pigweed)	
Goosefoot	<u>Chenopodium hybridum</u>	Punctureweeds	<u>Tribulus terrestris</u>
Henbit	<u>Lamium amplexicaule</u>	(Western U.S. only)	
(fall application only)		(Catnip)	
Knowweed	<u>Polygonum aviculare</u>	(Gosthead)	
Lambsquarters	<u>Chenopodium album</u>	Purslane	<u>Portulaca oleracea</u>
		Stinging Nettle	<u>Urtica dioica</u>
		(Nettle)	

GRASSES

Annual bluegrass	<u>Poa annua</u>		
Barnyardgrass	<u>Echinochloa sp.</u>		
(watergrass)			
Brachiaria	<u>Brachiaria</u>		
(Signalgrass)			
Bromegrass	<u>Bromus tectorum</u>	Johnsongrass	<u>Sorghum halepense</u>
(Chenopgrass)		(from seed)	
(Dumpy Brome)		Junglecica	<u>Echinochloa colonum</u>
Cheat	<u>Bromus secalinus</u>	Sandbur	<u>Cenchrus incertus</u>
(Chess)		(Burgess)	
Crabgrass	<u>Digitaria spp.</u>	Sprangletop	<u>Leptochloa filiformis</u>
(Large Crabgrass)		Stinkgrass (Lovegrass)	<u>Eragrostis ciliaris</u>
(Smooth Crabgrass)		Wild Cane (Shattercane)	<u>Sorghum bicolor</u>
Foxtail	<u>Setaria spp.</u>	(See Soybean-Trilin 10G Alone	
(Bromegrass) (Bristlegrass)		for special instructions)	
(Giant Foxtail) (Green Foxtail)		Wholly cupgrass	<u>Eriochloa villosa</u>
(Foxtail Millet) (Pigeongrass)			
(Robust Foxtail) (Yellow Foxtail)			

Long term and continued use of trifluralin has resulted in the selection of tolerant populations in certain species of weeds. This situation is limited to a few species and is generally geographically specific. Weed species known to have some trifluralin tolerant populations are goosegrass, green foxtail (pigeongrass) and Palmer amaranthus (Palmer pigweed). Trilin 10G is not recommended for the control of goosegrass, tolerant green foxtail or Palmer amaranthus. Consult State Agricultural Extension Service or Experiment Station weed specialist for specific recommendations for local weed problems.

SOIL PREPARATION

Soil surface should be smooth enough to enable the proper operation of application and incorporation equipment to insure uniform distribution and incorporation of Trilin 10G. Interference can be caused by ground cover such as crop residue or existing weeds. Soil should be tilled prior to the application of Trilin 10G to allow uniform incorporation into the top 2 to 3 inches of soil. Soil moisture should be such that large clods will be broken up during incorporation process.

Crop Residues or Existing Weeds

Ground cover, such as crop residues or existing weeds, can interfere with the incorporation of Trilin 10G into the soil. A manageable level of such ground cover will allow the Trilin 10G to be uniformly incorporated into the top 2 to 3 inches of soil. If the level of the ground cover is such that this cannot be done, you must till the soil prior to the application of Trilin 10G.

Roughness

The soil surface should be smooth enough so that you can operate application and incorporation equipment properly and at speeds which insure a uniform distribution and incorporation of Trilin 10G.

General Soil Conditions

To assure incorporation of Trilin 10G, soil moisture conditions should be such that large clods can be broken up during the incorporation process.

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SOIL TEXTURE

Before application determine soil texture in order to apply the correct rate. Rates given in this booklet refer to the following soil texture groups:

COARSE: Sand, Loamy sand, Sandy loam
MEDIUM: Loam, Silt, Silty Clay loam, Silt loam, Sandy clay loam
FINE: Clay, Clay loam, Silty clay loam, Silty clay, Sandy clay, Sandy clay loam.

Silty clay loam and sandy clay loam soils are transitional soils and 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.

APPLICATION DIRECTIONS

Trikin 10G is a granular formulation suited for application through granular herbicide distributors. The granular distributor should be carefully calibrated in accordance with equipment manufacturer's directions to assure uniform application. Once properly calibrated the granular distributor should be checked regularly to assure a proper operating condition. Do not apply Trikin 10G in narrow bands.

INCORPORATION DIRECTIONS

General Directions
 Initially, incorporation of Trikin 10G must take place within 24 hours after application. A second incorporation must be done at least 5 days after first and prior to planting. Erratic weed control and/or crop injury may result if Trikin 10G is not incorporated into the top 2 to 3 inches of the final seedbed.

Before Planting
 Incorporation of Trikin 10G must take place within 24 hours after application. A second incorporation should be done by running the equipment in a different direction from the first. A second incorporation is necessary prior to planting. Incorporate Trikin 10G uniformly into the top 2 to 3 inches of the final seedbed.

After Planting
 For directions after planting check label under specific crop.

Bedded Culture
 Trikin 10G needs to be incorporated into the top 2 to 3 inches of the final seedbed for effective weed control.

Application Prior to Bedding
 Apply Trikin 10G prior to bedding and incorporate it with recommended equipment. The bedding operation serves as the second incorporation. Avoid removal of untreated soil from the seedbed before or during the planting operation. This would expose untreated soil, allowing weeds to germinate in the drill row.

Application After Bedding
 Knock off beds to planting height before application and incorporate Trikin 10G with recommended equipment that will conform to the bed shape. Do not leave untreated soil exposed.

Recommended equipment
 Two incorporation passes are necessary unless specifically stated. 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: Defined as implements with sweeps of 3 to 4 rows spaced at intervals of 7 inches or less, staggered so that no soil is left unturned. Set to cut 3 to 4 inches deep, operate at 5 mph or more. Do not use chisel points.

Combination Seedbed Conditioners: Set to cut 3 to 4 inches deep and operate at a speed of at least 5 mph. These are defined 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 a speed of 6 to 8 mph. Rolling cultivators are effective for use on coarse and medium textured soils. The rolling cultivator may be used on fine textured soils when used in sugarcane.

Bed Conditioner (Do-All): Set to cut 2 to 4 inches deep and operate at a speed of 4 to 6 mph. The Do-All is effective when used on coarse or medium textured soils only. Only one incorporation pass is necessary in bedded culture. Two passes with the Do-All are necessary in flat planted culture.

Mulch Treader (other similar disc-type implements): Set Mulch Treader to cut 3 to 4 inches deep and operate at 5 to 8 mph.

P.T.O. Driven Equipment (tillers, cultivators, hoes): Only one incorporation is required. Adjust to incorporate Trikin 10G into the top 2 to 3 inches of the seedbed using rotors spaced to give a clean sweep of the soil. P.T.O. equipment should not be operated at a speed greater than 4 mph.

Other Equipment: Including the flexible tine-tooth harrow (Flexline, Metrol), is also recommended but only for the special usage specified in this label. Use other equipment only as specified herein.

CULTIVATION AFTER PLANTING

Soil may be shallow cultivated without reducing the weed control activity of Trikin 10G. Poor weed control may result if cultivation is deeper than the treated soil since this may bring untreated soil to the surface.

CROP RECOMMENDATIONS

All recommendations are given as the broadcast rates of Trikin 10G per acre. Apply Trikin 10G any time after January 1 when the soil can be worked and is suitable for good incorporation. For fall application see specific crop recommendations for FALL APPLICATION heading.

FALL APPLICATION (GENERAL)

These comments apply to areas receiving more than 20 inches average annual rainfall and for crops where Trikin 10G is recommended for preemergence usage, but no specific fall application directions given. If specific fall application rates are not given use Trikin 10G at rates recommended for spring application. Always see specific crop recommendations before using Trikin 10G. NOTE: Do not apply Trikin 10G to sugar beets, potatoes and direct seeded tomatoes in the fall.

In most states apply and incorporate Trikin 10G between October 15 and December 31. In California, Minnesota, North Dakota and South Dakota Trikin 10G may be applied and incorporated between September 1 and December 31.

Apply and incorporate on ground left flat or bedded during the winter. If bedded, knock down to proper height prior to planting moving some treated soil from bed tops into furrows. If treated soil is left flat for winter, exercise caution in bedding operations to avoid turning up treated soil. Any weeds establishing as a result of bedding or other operations should be destroyed before planting. NOTE: Trikin 10G should not be applied in the fall to soils which are wet or subject to prolonged flooding or where rice was grown.

SPECIAL PRECAUTIONS

Under normal growing conditions and if applied according to directions, Trikin 10G will not harm the treated crop. Crop injury or soil residue may result from over application. Erratic weed control or crop injury may result from uneven application or improper soil incorporation of Trikin 10G. Seeding disease, cold weather, deep planting, excessive moisture, high salt concentration, or drought may weaken crop seedlings and increase the possibility of damage from Trikin 10G. Under these conditions, delayed crop development or reduce yields may result.

Where specific crop recommendations are not given, use the lower rate for coarser soils or soils with lower organic matter. For soils containing 10% or more organic matter do not use Trikin 10G.

In Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, after a spring application of Trikin 10G, sugar beets, red beets, or spinach should not be planted for 12 months or 14 months after fall application.

Soil should be plowed to a depth of 12 inches prior to planting sugar beets to prevent the possibility of crop injury. After a spring application sorghum (milo), proso millet, corn or oats should not be planted for 14 months or for 16 months after a fall application of Trikin 10G to avoid crop injury. If land has not been irrigated, do not plant any of these crops for 18 months after a spring application or 20 months after a fall application of Trikin 10G.

In those areas of Kansas, Nebraska, North Dakota, Oklahoma, South Dakota and Texas where at least 20 inches of rainfall (total) was used to produce the crop, sorghum or oats should not be planted for 12 months after an application of Trikin 10G.

Do not plant sorghum, proso millet, or oats for 18 months after an application of Trikin 10G if less than 20 inches of total water was used to produce the crop. Cool, wet weather conditions during the early stage of growth may increase the possibility of injury to sorghum.

In all other areas receiving greater than 20" rainfall per year, moldboard plow before planting sugar beets where a spring application of Trikin 10G was made the previous season. Also note planting restrictions listed in the section on control of rhizome johnsongrass and other high rate programs.

In vegetable growing areas other than those listed on this label, vegetable crops should not be planted within 5 months following the application of Trikin 10G.

ALFALFA Established

Trikin 10G can be applied to established alfalfa during dormancy or throughout the growing season immediately after cutting. Because Trikin 10G does not control established weeds, application must be made prior to the expected time of weed germination.

Apply Trikin 10G to established alfalfa stands prior to weed emergence at a rate of 15 pounds per acre on coarse soils and 20 pounds on medium and fine soils in areas receiving less than 20 inches average annual rainfall. Trikin 10G may be applied using properly calibrated ground or aerial application equipment. A single rainfall or overhead sprinkler irrigation of 0.5 inches or more or flood irrigation after application is required to activate Trikin 10G. If this does not occur within three days after application, Trikin 10G should be activated using incorporation equipment that will ensure thorough soil mixing with minimum damage to the established alfalfa. If activated using furrow irrigation, the surface of the beds between furrows should be thoroughly wetted. Do not apply within 21 days of harvest.

PRECAUTIONS
 Do not make more than 2 applications of Trikin 10G to alfalfa within 12 month period. Where alfalfa is to be rotated to another crop in the season following application of Trikin 10G, plant only those crops to which Trikin 10G can be applied as a preplant treatment or injury will result.

BEAN Dry

Trikin 10G should be applied and incorporated before planting during the following times:

Broadcast Rate Per Acre Trikin 10G (pounds)	Coarse	Medium	Fine
Annual Rainfall			
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter use 10 pounds on all soil texture types.

Fall Application
 Trikin 10G may be applied and incorporated between October 15 and December 31. Apply at a broadcast rate of 5 pounds per acre on coarse soils, 6.25 to 7.5 pounds on medium soils, and 7.5 pounds on fine soils. NOTE: Established weeds must be destroyed prior to application.

BEAN Lima and Snap

Trikin 10G may be applied and incorporated before planting at a broadcast rate per acre of 5 pounds (coarse soils) and 7.5 pounds (fine soils).

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CASTOR OIL

Apply and incorporate Trilin 10G according to general instructions at rates below.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter, use 10 pounds on all soil texture types.

CUCURBITS

Cantaloupe, Cucumber and Watermelon

Postplant Emerged Western United States Including Texas

Use Trilin 10G as a directed application to the soil between the rows and beneath plants which are in the 3 to 4 true leaf stage.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter, use 10 pounds on all soil texture types.

COLE CROPS

Broccoli, Brussels Sprout, Cabbage and Cauliflower

Direct Seeded

Apply and incorporate Trilin 10G before planting at a broadcast rate of 5 pounds per acre on coarse and medium soils and 7.5 pounds on fine soils and soils with 2-5% organic matter. Direct-seeded cole crops have exhibited marginal tolerance to recommended rates of Trilin 10G. Stunting or reduced stands may occur.

Transplant

Apply and incorporate prior to transplanting only.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter, use 10 pounds on all soil texture types.

FIELD CORN, GRAIN SORGHUM and CORN FODDER, FORAGE and SILAGE

Apply Trilin 10G to field corn or grain sorghum as a directed application to the base of the stalk to effectively control weeds listed for Trilin 10G.

Soil Preparation

Cultivate before Trilin 10G application insure loose, friable soil to remove established weeds and to cover the base of plants with soil.

Application Directions

Trilin 10G should be applied and incorporated at the recommended rates for the soil texture when the crop is well established (8 inches or taller). Trilin 10G may be applied as only as a directed application. Soil incorporation may be accomplished with only one pass of a sweep-type cultivator or a properly adjusted rolling cultivator. The sweep-type cultivator should have 3 to 5 sweeps per row middle and be operated at 6 to 8 mph. Set the middle sweeps as to avoid exposing untreated soil. Adjust the incorporation tools to prevent crop injury.

Broadcast Rates Per Acre
Trilin 10G (pounds)

	Coarse	Medium	Fine
	5	5 to 7.5	5 to 7.5

Use the lower rates when weed pressure is light and the higher rates when weed pressure is heavy

COTTON

Trilin 10G may be applied before or at planting, immediately after planting and at layby. The following rate table applies for preemergence and layby applications.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter, use 10 pounds on all soil texture types.

Preemergence

Follow all directions for incorporation.

Postplant

Do not disturb cotton seed when incorporating Trilin 10G.

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Layby

Trilin 10G can be applied and incorporated any time up to layby, but not less than 90 days before harvest. Direct layby applications onto the soil between the rows and beneath emerged cotton plants at the same rates as for preemergence application.

Fall Application

Trilin 10G may be applied and incorporated to cotton ground any time between October 15 and December 31. The ground may be left flat or bedded-up over winter. Where soil is left flat, take care not to turn up untreated soil from beds into furrows. On bedded grounds, knock down beds to desired heights before planting, moving some treated soil into furrows from the beds. Destroy established weeds during preparation of seedbed. Before planting, destroy weeds which may have become established in furrows due to the uncovering of untreated soil during bedding. Trilin 10G should not be applied to wet soil or soils which are subject to prolonged periods of flooding.

Broadcast Rates Per Acre - Fall Application Only: In Alabama, Arkansas, northern Florida, Georgia, Louisiana, Mississippi, southeastern Missouri, North Carolina, New Mexico, Oklahoma, South Carolina, Tennessee and Texas apply and incorporate Trilin 10G at a broadcast rate of 10 pounds per acre on coarse and medium soils and 12.5 pounds on fine soils. In Arizona and Nevada, a broadcast rate of 7.5 pounds Trilin 10G per acre should be used on coarse soil, 10 pounds on medium soil and 12.5 pounds on fine soil.

For other states where cotton may be grown, apply Trilin 10G at a broadcast rate of 5 pounds per acre on coarse soils, 7.5 on medium soils, and 10 pounds on fine soils. For coarse soils with 2-5% organic matter use 7.5 pounds. For soils with 5-10% organic matter use 10 to 12.5 pounds. NOTE: Established weeds must be destroyed prior to application.

FLAX

Apply and incorporate Trilin 10G in the fall from September 1 to December 31.

Broadcast Rates Per Acre
Trilin 10G (pounds)

	Coarse	Medium	Fine
	5	7.5	10

Special Instructions

- Incorporation operations or any other tillage performed in the spring prior to seeding should be relatively shallow so as to maintain a firm seedbed, and the seedbed should be packed just prior to seeding.
- Seeding should be done with a press drill or hoe drill. Seed into a moist seedbed no more than 1 1/2 inches deep.
- Flax should not be seeded until the seedbed has warmed up.

FRUIT, NUTCROPS, VINEYARDS

For areas receiving less than 20" average annual rainfall.

Apply and incorporate Trilin 10G, for new plantings of almond, apricot, citrus, nectarine, peach, pecan and walnut trees, before planting at a broadcast rate of 5 pounds per acre on coarse soils; 6.25 to 7.5 pounds on medium soils; 7.5 pounds on fine soils; 7.5 to 10 pounds on soils with 2-5% organic matter; and 10 pounds on soils with 5-10% organic matter.

Apply and incorporate Trilin 10G, for new plantings of vineyards, before planting at a broadcast rate of 5 to 7.5 pounds per acre on coarse soils; 7.5 to 15 pounds on medium soils; and 15 to 20 pounds on fine soils or soils with 2-10% organic matter. Do not use more than 10 pounds per acre on heat-treated grape rootings.

Apply Trilin 10G for postplant applications on bearing or nonbearing, established plantings of vineyards and almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, and walnut trees, at a broadcast rate of 10 to 20 pounds per acre for all soil textures. Do not apply to vineyards within 60 days of harvest.

Apply Trilin 10G in established plantings to the soil and use incorporation methods not injurious to the trees or vines.

MUSTARD

Gown for seed or processing for food in Minnesota, North Dakota and South Dakota.

Apply and incorporate before planting at a broadcast rate of 5 pounds per acre on coarse soils and 7.5 pounds on medium and fine soils.

OKRA

Apply and incorporate before planting.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter, use 10 pounds on all soil texture types.

ONION

Grown for Dry Bulbs Only

Apply Trilin 10G as a direct application to the soil between the onion rows, avoiding contact of the onion tops or exposed bulbs. Do not apply within 60 days of harvest.

Broadcast Rates Per Acre
Trilin 10G (pounds)

	Coarse	Medium
	3.75 to 5	5 to 6.25

Use the lower rates where light weed pressure is anticipated.

Soil incorporation may be accomplished by operating sweep-type or rolling cultivators 2 to 4 inches deep at 6 to 8 mph. Incorporation equipment must mix Trilin 10G uniformly in the soil. Incorporate with two passes. The first pass must be within 25 hours of application or erratic weed control may result. Avoid covering exposed onion bulbs with treated soil during incorporation as injury to the crop may occur. Care should be taken to avoid injury to the roots during incorporation.

5047

PRECAUTIONS

Applied according to these directions and under normal growing conditions Trilin 10G will not adversely affect onions. Diseases, improper incorporation depth, excessive moisture, high salt concentration or drought may weaken the crop and increase the possibility of damage from Trilin 10G. Under these conditions, delayed crop development or reduced yields may result.

**PEA
Southern**

Apply and incorporate before planting, at planting or immediately after planting, unless otherwise indicated.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2 - 5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5 - 10% organic matter, use 10 pounds on all soil texture types.

**PEANUT
Spanish Peanut in Oklahoma and Texas**

Trilin 10G may be applied and incorporated before or after planting at a 5 pounds (coarse soils) per acre. If applied after planting extreme care must be taken not to disturb the seed during incorporation.

PEPPER

Apply and incorporate prior to transplanting only.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2 - 5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5 - 10% organic matter, use 10 pounds on all soil texture types.

**RAPESEED
(Canola)**

Apply and incorporation Trilin 10G in the spring before planting or in the fall after September 1.

Broadcast Rates Per Acre
Trilin 10G (pounds)

	Coarse	Medium	Fine
	5	7.5	10

SAFFLOWER

Preemergence

Trilin 10G may be applied before planting in the spring or between October 15 and December 31.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter, use 10 to 12 pounds on all soil texture types.

Fall Application In Arizona, California, Idaho, Montana, Nevada, Oregon, Utah, Washington and Wyoming

Trilin 10G may be applied and incorporated between October 15 and December 31 and ground left flat or bedded during the winter. If bedded, knock down to proper height prior to planting moving some treated soil from bed tops into furrows. If treated soil is left flat for winter, exercise caution in bedding operations to avoid turning up treated soil. Any weeds establishing as a result of bedding or other operations should be destroyed before planting. NOTE: Trilin 10G should not be applied in the fall to soils which are wet or subject to prolonged flooding.

SOYBEAN

Preemergence

Trilin 10G may be applied and incorporated before planting.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter, use 10 pounds on all soil texture types.

Fall Application

Trilin 10G may be applied and incorporated between October 15 and December 31 and ground left flat or bedded during the winter. If bedded, knock down to proper height

prior to planting moving a bedded soil from bed tops into furrows. If treated soil is left flat for winter, exercise caution in bedding operations to avoid turning up treated soil. Any weeds established as a result of bedding or other operations should be destroyed before planting.

Broadcast Rate Per Acre
Trilin 10G (pounds)

	Soil Type	States
10	Coarse and Medium	Alabama, northern Florida, Georgia, Louisiana, Mississippi, Missouri northwest, North Carolina, Oklahoma, South Carolina, Tennessee and Texas
12.5	Fine	Same as for Coarse and Medium
7.5	Coarse and Medium with 2-5% organic matter	All Other States
10	Fine	All Other States
10 to 12.5	5-10% organic matter	All Other States

SUGAR BEETS

Trilin 10G may be applied over-the-top of 2 to 6 inch tall plants, but only after any exposed sugar beet roots have been covered with soil. Incorporation equipment should be set to avoid injury to the sugar beet tap root while throwing treated soil toward the plants in the row.

Broadcast Rate Per Acre
Trilin 10G (pounds)

	Coarse	Medium	Fine
	5	6.25 to 7.5	6.25 to 7.5

*Use the high rates in areas receiving more than 20" average annual rainfall.

SUNFLOWER

Trilin 10G may be applied and incorporated in the spring or in the fall between October 15 and December 31.

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter, use 10 to 12 pounds on all soil texture types.

TOMATO

Direct Seeded

Trilin 10G may be applied at blocking or thinning to soil between rows/beneath plants and incorporated.

Transplanted

Trilin 10G may be applied and incorporated prior to transplanting (NOTE: Do not apply after transplanting).

Broadcast Rate Per Acre
Trilin 10G (pounds)

Annual Rainfall	Coarse	Medium	Fine
less than 20"	5	6.25 to 7.5	7.5
greater than 20"	5	7.5	10

For soils with 2-5% organic matter, use 7.5 pounds on coarse and medium soils and 10 pounds on fine soils. On soils with 5-10% organic matter, use 10 to 12 pounds on all soil texture types.

**WHEAT (SPRING), DURUM AND BARLEY
SUMMER FALLOW APPLICATION**

Trilin 10G may be applied broadcast to control labeled weeds during summer fallow as well as fallow (preemergence) where grains are seeded the subsequent spring. When applying Trilin 10G soil condition is important, application may be made only where trash levels are manageable, land has been plowed, pre-tilled or left with stubble down. Two incorporations are essential for weed control. The first incorporation should be made within 24 hours of application. The second and all subsequent tillage activities are to be conducted as required to destroy re-emerge weeds as present. NOTE: Control of labeled weeds may not occur prior to the second incorporation.

Trilin 10G Rates Per Acre Broadcast

Application Period	Pounds of Trilin 10G Per Acre	
	Less Than 10 inches Annual Rainfall	More Than 10 inches Annual Rainfall
April 15 to 30	8.75	10
May 1 to 31	8.75 to 7.5	10 to 8.75
June 1 to 30	7.5 to 6.25	8.75 to 7.5
July 1 to 31	6.25 to 5.0	7.5 to 6.25
August 1 to 31	5.0	6.25 to 5.0

Incorporation Instructions

Special attention must be paid to soil incorporation because until such is effectively done, Trilin 10G will not provide desired levels of weed control.

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Chisel Plow: A chisel plow is defined as a plow with 1 to 12 inch sweeps on no greater than 12 inch centers. Sweeps should be staggered so that no soil is left unturned. Operate at 4 to 5 inches deep at 4 to 6 mph. **NOTE:** Do not use Chisel Points.

Field Cultivator: A field cultivator is defined to have 3 to 4 rows of sweeps with C- or S-shaped shanks spaced 7 inches or less, staggered to leave no soil unturned. Operate at 3 to 4 inches deep at 5 mph or more.

Seeding Directions
Seed should be planted approximately 2 inches deep.

PRECAUTIONS

Use of Trilin 10G in this manner may result in a stand reduction; generally slight stand reductions do not affect yield.

DURUM SPRING PREPLANT INCORPORATED North Dakota West of the Red River Valley and South Dakota

Apply Trilin 10G in the spring as a preplant incorporated treatment for suppression of green and yellow foxtail (pigeongrass) in spring seeded durum.

Application Rate

Apply at a broadcast rate of 4 pounds per acre for all soil types.

Incorporation Instructions

See instructions for chisel plow and field cultivator as above for Summer Fallow.

Seeding Directions

Seed should be planted approximately 1.5 to 2 inches deep.

PRECAUTIONS

Under certain conditions, delayed crop emergence and/or reduction may occur when Trilin 10G is applied to durum. The combined effect of certain cultural practices and unfavorable soil or environmental conditions may cause excessive crop seeding stress resulting in retarded crop growth, stand reduction and possibly reduced yield. For best results, observe the following cultural practices or precautions as follows.

Use tillage methods that provide a uniform firm seedbed and time tillage operations to conserve moisture.

If irrigation is used, irrigate prior to planting or after germination and emergence. Moisture received between planting and emergence may cause crusting, especially on loose, friable seedbeds.

Do not exceed recommended application rates for Trilin 10G. This particularly important on coarse textured or low organic matter soils.

Carefully follow incorporation directions. When applying preplant incorporated treatments, operate equipment at recommended depth and speed to place Trilin 10G into the upper 1.5 to 2 inches of soil.

WHEAT (SPRING) AND DURUM FALL APPLICATION Foxtail/Pigeongrass Control

Trilin 10G should be applied at a broadcast rate of 5 pounds per acre on coarse and medium soils and 7.5 pounds per acre on fine soils.

BARLEY FALL APPLICATION

For labeled weed control (except for special rate programs) in Minnesota, North Dakota and South Dakota, apply Trilin 10G at a broadcast rate of 5 pounds per acre on coarse soils and 7.5 pounds on medium and fine soils. Partial control or suppression of Kochia, Russian thistle and wild oats may be obtained at these rates.

Incorporation Instructions

As above for Summer Fallow.

Seeding Directions

Seed should be planted approximately 2 inches deep.

PRECAUTIONS

Use of Trilin 10G in this manner may result in a stand reduction; generally slight stand reductions usually do not affect yield.

WINTER

Colorado, Idaho, Kansas, Nebraska, Oregon, Washington and Wyoming

Trilin 10G may be soaked broadcast up to three weeks before planting to control labeled weeds including cheatgrass.

Broadcast Rate Per Acre

Trilin 10G (pounds)	Coarse	Medium	Fine
	7.5	7.5	10

Incorporation Instructions

Trilin 10G should be shallowly incorporated with a flexible tine-tooth harrow set to cut one to two inches deep and operated at 3 to 6 mph. Two incorporation operations are required, the first within 24 hours after application and the second at least five days after the first. The second incorporation should be at a different direction to the first and prior to planting. **NOTE:** Do not work the soil with a disc between Trilin incorporation with a flexible tine harrow and harvest of crop for which application is being made.

Seeding Instructions

To avoid crop injury, do not plant directly into soil zones treated with Trilin 10G. Drill with deep furrow or semi-deep furrow equipment which places seed below soil zones into which Trilin 10G has been incorporated. Wheat planted directly into Trilin 10G containing soil may be delayed in emerging or even suffer stand loss. Delays in emergence or slight stand loss do not usually affect yield.

WHEAT

WINTER - FALL SOIL APPLICATION Colorado, Idaho, Kansas, Nebraska, Oregon, Washington and Wyoming

Trilin 10G may be applied broadcast up to four months before planting to control labeled weeds including cheatgrass.

Broadcast Rate Per Acre

Trilin 10G	Coarse	Medium	Fine
	7.5	7.5	10

Incorporation Instructions

Trilin 10G should be shallowly incorporated with a flexible tine-tooth harrow set to cut 1 to 2 inches deep and operated at 3 to 6 mph. Two incorporation operations are required, the first within 24 hours after application and the second at least 5 days after the first. The second incorporation should be at a different direction to the first and prior to planting. **NOTE:** Do not work the soil with a disc between Trilin incorporation with a flexible tine harrow and harvest of crop for which application is being made.

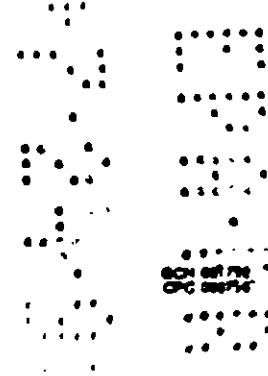
Seeding Instructions

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NOTICE OF WARRANTY

GRIFFIN CORPORATION warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with 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 GRIFFIN CORPORATION. In no case shall GRIFFIN CORPORATION be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. GRIFFIN CORPORATION MAKES NO WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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