APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION



Apply this product only through sprinkler, including center pivot, level move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; irrigation system(s). Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Note: Platte Chemical Company does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water suppty options before electing to make such a connection.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the Inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quickclosing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interiock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quickclosing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the ema intended for treatment.

Mix in clean supply tank the recommended amount of this product for acreage to be covered, and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination noninjurious under your conditions of use.

Follow precautionary statements and directions for all tank-mix products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues. At least ½ to 1 acre inch is necessary for water incorporation of this product.

Meter this product into the irrigation water uniformly during the period of operation.

Do not overlap application. Follow recommended label ristes, application, timing, and other directions and precautions for crop being treated.

Continuous mild agitation of posticide mixture may be needed to sikure, a uniform application, particularly if the supply tank requires a number of hours to empty.

ALL APPLICABLE RESTRICTIONS, PRECAUTIONS, AND DIRECTIONS ON THE EPA REGISTERED PRODUCT LABEL MUST, BE FOLLOWED.

FORMULATED FOR COMPANY, INC.
150 SO. MAIN STREET FREMONT, NEBRASKA 68025

* CLEAN CROP is a Registered T.M. of United Agri Products, Inc.

10/5

annual grasses and broadleaf weeds in ornamentals, flowers and other areas as listed.

ACTIVE INGREDIENT:

Trifluralin (a,a,a-trifluoro-2,6-dinitro-N,

TOTAL

100.0%

Contains 4 pounds active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

Read Booklet For Additional Precautionary Statements
And Directions For Use,

EPA REG. NO. 34704-226

EPA EST. NO.

17200

NET CONTENTS

CALL GALL

CLEAN CROP is a Registered T.M. of United Agri Projects, Inc.

EXPIP

Poecharskyena Ceanothus gloriosus Ceratothus promentosum Ceratostigms plumbaginoides Cietus sp. Coreopeis sp. Coronille veris Cotonessar

Fragaria chiloensis Gazenia ap, Gazenia ap, Gazenia ap,

Gazania ap. Gazania ap.

Gazania leucolaena Gazania sangelo Hedera canariensis Hedera helix Hedera helix emierie glebre tyrericum so. Hypericum calycinum Hypericum coris Liriope Muscari Mecombryuntherrum edentulum Muchienbeckie adllerie Муорогит ар. Myoporum leetum вовреттит вр. Oelecepermum

GI GI AN CIRC SE SE SE

TRUASSSMO

Ostocaparmum ap.
Ostocaparmum
fullcoeum
Roemarinus ap.
Sedum ap.
Sedum ap.
Sedum confusum
Sedum gustemalenee
Sedum musaneues

Tagetee Toucrium Chameedrys

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get medical attention. If on skin: Wash contaminated skin with soap and water.

Plemove contaminated clothing and launder before reuse. Get medical attention. Minhaled: Move to clear atmosphera. Restore breathing

If necessary, Get medical attention. If swallowed: Do not induce vomiting and get medical attention immediately, indestion is toxic and irritating to the stomach. Vomiting may cause aspiration into the lungs resulting in pulmonary adema which may be fatal. Gastric levage may be indicated.

PHYSICAL AND CHEMICAL HAZARDS Do not use or store near heat and open flame.

SPECIAL PRECAUTIONS

Applied according to directions and under normal growing conditions, TRIFLURALIN EC will not harm the treated crop. Overapplication may result in crop injury or a soil residue. Uneven application or improper soil incorporation can

result in erratic weed control or crop injury. Plant disease. cold weather, deep planting, excessive moisture, high sait concentration or drought may weaken crop plants and increase the possibility of damage.

DIRECTIONS FOR USE It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

feed by storage or disposal. Open dumping is prohibited. Do not reuse emoty container. Do not store under conditions which might adversely affect the container or its ability to function properly. STORAGE-Avoid freezing. Do not store below temperature of (404F.). If frozen, poor weed control may result. Store in sale manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect peckage strength. Personnel should use clothing

shrubs, and flowers. The ornamental species on which this harbicide can be used at recommended rates without damage include those listed.

Common Name Berberis mentorensis Вагрепту

Camellia japonica Camellia Sasangua Clevers japonica Cotoneaster apiculate Cotoneaster Zabelil Deutzia Elaegnus pungens Euonymus alaius Euonymus Fortunei

Buxus microphylla

Huxus sempervirens

Felice Selfoniana **Fortythia** Sex cronete Nex hetzi

Juniperus conferts

Kulmia latifolia

Lonicana

Potentilla

Juniperus virginisms

surfaces.

STORAGE AND DISPOSAL PROHIBITIONS-Do not contaminate water, food, or

and equipment consistent with good posticide handling.

ORNAMENTAL WOODY SHRUBS Scientific Name

ornamental woody shrubs, ornamental groundcover,

oladioli, roses, established flowers and under paved

TRIFLURALIN EC la recommended for use on a wide

variety of ornamental trees, ornamental proundcover,

Berberis Thunberoii Japanese Barberry Harlandii Borwood Buxus hariandii

> Camellia Sasangua Cameilla Saludd Cotoneaster Cotoneaster Deutzie Eleganus

Boxwood

Common Boxwood

Eucrymus Euchymus Euonymus Euonymus newport Pinespoie Gueva Forsythia (Golden Belis) Jepenese Holly Holly Junicerus chinensis Junioer Shore Junioer

Red Cedar

Mountain Laurai

Privat Liquetrum erectum Ligustrum japonicum Privat Ligustrum odoratissimum Privat Liaustrum avalifolium California Privat Honevauckie

Philadelphus Lamoinei Mock-Orange Fetterbush Pieris iaponica Pittosporum Tobira Robins Yew Pine Podocarpum macrophylla Cinqueloil

Dimortheca Forcet-me-not Four O'Clocks Gaillardia

> lance. Lobelia Scientific Name Abies balsames Acer platanoides Acer rubrum Acer seccharinum

Cardingula

Callioosis

Carnation

Centaures

Cosmos

Dahlia

Dianthus

Gladiolus

California Poppy

Chrysenthemums

Acer seccharum Betula pendula var. lacinista Castanes mollissima Cercis canadensis Cornus florida Comus Kousa

Fraxinum americana Gleditsia triacenthos Jugiana nigra Larix leotolecis

Liquidamber styraciflus Uriodendron tulicifera Malus at. **Ness sylvetics**

Pices Abies Pices glauca Pices pungens Pinus nigra

Pinus resinosa Pinus Strobus Pinus svivestris

Pinus taada

Scotch Pine **Loblotty Pine**

Apole Black Gum Norway Soruce White Soruce Austrian Pine Red Pine White Pine

Petunia

Portulaca.

Rudbeckia

Scabiosa.

Shasta Daisy

Snapdragon

Sunflower

Sweet pea

Zinnis

ORNAMENTAL TREES

Sweet Alyssum

Sweet William

Common Name

Norwey Maple

Balsam Fir

Red Maple

Silver Maple

Sugar Maple

Redbud

White Ash

Sweetnum

European White Birch

Chinese Chestnut

Flowering Dogwood

Kouse Dogwood

Honey Locust

Black Walnut

Japanese Larch

Snow on the mountain

Phlox

Salvia

Stock

Tuliotree Colorado Blue Soruce

Jepenese Blan Pine Pinus Thunbergii London Plane Tree Platanus acerifolia Platanus occidentalis Sycamore Populus deltoides Cottonwood Stone-Fruits Prunus so. Pseudotsuga taxilulla • Douglas 🛍 • Scartet Olik Quercus coccines Pin Oak Quercus palustris Red Oak * * Quercus rubra Robinia pseudoacacia Black Locust Taxodium distichum **Bald Cypress**

> TRIFILURALIN EC Surface Applied and Water Incorporated for Preemergence Control of Annual Weeds in ESTABLISHED ORNAMENTAL **GROUNDCOVER PLANTINGS**

Canada Hemlock

Common Name

Dwarf Peter Pan

Dwarf Coyote Brush

Thrift-Sea Pink

Woolly Yarrow

Asparagus

Bellflower

Belificwer

Bunge

Ceanothus

Rock Rose

Crown Vetch

Cotoneaster

Copper King Gazania

New Orange Gazania

Feasta Red Gazania

G3zania

Needlepoint Ivv

Gazania

Gazania

Algerian Ivy

California Ivy

Rupture Wort

St-John's Wort

Rose-of-Sharon

St-John's Wort

ice Plant

Wire Plant

Myoporum

Myoporum

Germander

Big Blue Lilyturf

Trailing African Daisy

Bronze Orange Sunrise

Gold Rush Gazania

Strawberry

Tickseed

Soow-in-Summer

Scientific Name Ageoenthus Armeda vulgaris Achilles tomentosa Asperagus densiflorus Jaccaris pilularis Campanula garganica Campanula Poscherskyene

Tsuga canadensis

Ceanothus gioriosus Cerastium tomentosum Constostigma plumbaginoides

Cistus sp. Coreopsis sp. Coronilla varia Cotoneaster Fragaria chiloensis Gazania so.

Gazania so. Gazania sp. Gazania so. Gazania sp.

Gazznia leucolaena Gazania sangelo Hedera canariensis Hedera helix Hedera helix Jerniaria glabra Atyrericum sp. Hypericum calycinum Hypericum coris Liriope Musceri Mesembryanthemum edentulum Muchlenbeckia axillaris Муорогит вр.

Myoporum lastum

Osteospermum sp.

Paucrium Chamaedrys

Osteospermum fruticosum Trailing African Daisy Rosmarinus so. Rosemary Sedum sp. Utah Sedum Sedum so. Acre Sedum Sedum confusum Sedum Sedum guatemalense Sedum Sedum museneuse Sedum Tag see Marigold

Yerbena sp. . . Merbena sp. Verbena sp.

...

Verbena sp. Verbana peruviana Veronica so. Zoyara tenuifolia

Verbenz Hybrid White Verbenz Hybrid Apple Blossom Verbena

Special Purple Verbena Verbena Speedwell Mascarene grass

WEEDS CONTROLLED

Annual Gresses Craborasses Barmyardorass (watergrass) Foxtails (including giant foxtail) Johnsongrass (from seed) Wild Cane (shattercane) Goosegrass

Bromegrass Brachiaria Sandbur Jungience Annual bluegrass Sprangletop Cheat

Texas panicum

Stinkgrass

Annual Broadleaf Weeds Pigweeds (spiny, redroot) Carelessweed Lambsquarters Carpetweed Russian thistle Kochia

Pursiane. Florida pursiane (pusiey) linotweed Stinging nettle Goosefoot Chickweed

Note: TRIFLURALIN EC will not control certain resistant weeds such as Cocklebur, Velvetleaf, Jimsonweed, Ragweed, Venice Mallow, and Nutgrass.

GENERAL DIRECTIONS

TRIFLURALIN EC is a pre-emergence herbicide which is incorporated (mixed) into the soil to provide long-tasting control of annual grasses and broadlest weeds (see above list). TRIFLURAUN EC controls weeds by killing their seeds as they germinate. It does not control established

Incorporation of this product helps assure effective weed control regardless of weather conditions and permits shallow cultivation, rotary hoeing and hand hoeing without reducing its weed control activity.

MIXING AND APPLICATION DIRECTIONS

TRIFLURALIN EC is to be mixed with water and applied as a spray before, or in the same operation as soil incorporation. Apply in 5 to 40 gallons of water per acre (broadcast basis) using any properly calibrated low-pressure boom-type herbicide sprayer that will uniformly apply the spray. Pour the recommended amount of TRIFLURALIN EC for your soil type into the spray tank during the filling operation and mix thoroughly before spraying. Do not apply more than the recommended amount.

INCORPORATION DIRECTIONS

TRIFLURALIN EC must be incorporated into the soil after application to prevent loss of its activity. Spraying and incorporation should be done in the same operation, if possible. Incorporation may be delayed up to 4 hours after application. Variable weed control may result from delayed incorporation if this product is applied to a wet, warm soil surface or if the wind velocity is 10 mph or higher.

The machinery used for incorporation should break up large clods and mix the herbicide thoroughly with the soil. The more thoroughly the herbicide is mixed with the soil, the more consistent the weed control will be.

Apply and incorporate TRIFLURALIN EC prior to planting new nursery stock liners, omamentals, trees and woody shrubs, and gladioli (Gladioli corms less than 1 inch in diameter may be injured by pre-plant applications of TRIFLURALINEC), TRIFLURAUNEC may also be applied to established plantings by using a directed spray to the soil between the rows and beneath the plants.

Water incorporation is used for established Ornamental Groundcovers. (See specific directions elsewhere on this

Broadcast (overall) Application Rates for Soil Incorporation Only:

Coarse Solis	Medium Solis	Fine Solls
Sand and sandy loam	Loam, silt loam and silt	Clay loam, silty clay and clay
1 pint per acre (% pound active)	1½ pints per acre (¾ pound active)	2 pints per acre (1 pound active)

For band applications, use the following formula to figure the proportionate amount:

band width in inches ___ recommended row width in inches

broadcast rate

amount to apply per acre on band

TRIFLURALIN EC is not recommended on muck soils.

Incorporation before planting (pre-plant): Thorough incorporation may be achieved with the following: P.T.O. driven equipment (tillers, cultivators, hoes) set to cut 2 to 3 inches deep with rotors spaced to provide a clean sweep of the soil: double disc (or double disc with spiketooth harrow in tandem) set to cut 3 to 4 inches deep and operated in two different directions (cross disced) at 4 to 6 mph.: mulch treader and other similar disc-type implements set to cut 3 to 4 inches deep and operated twice at 5 to 8 mph.: rolling cultivators set to cut 2 to 4 Inches deep and operated twice at 6 to 8 mph.; or a bed conditioner (Do-All) set to cut 2 to 4 inches deep and operated at 4 to 6 mph.

Incorporation after planting (post-plant): Incorporation may be achieved around established plants by using PT.O. driven equipment (tillers, cultivators, hoes) set to cut 2 to 3 inches deep with rotors spaced to provide a clean sweep of the soil, or rolling cultivators set to cut 2 to 4 inches deep and operated twice at 6 to 8 mph. When incorporating TRIFLURALIN EC in transplants, new liners, or established plants, the implement should be adjusted so that treated soils is thrown toward and around the plants in the row.

Clean cultivate area to be treated before application since TRIFLURALIN EC will not control established weeds.

Shallow incorporation with Implements set to cut less than 2 inches deep may result in ematic weed control. Do not use spiketooth or springtooth harrows alone for incorporation.

> Surface Application and Water Incorporation to Ornamenal Groundcover Plantings:

Add TRIFLURAUN EC to clean water in the spray tank during the filling operation. Agitate thoroughly prior to spraying. Apply in 5 to 40 gallons of water per acre using any properly calibrated low pressure herbicide sprayer that will uniformly apply the spray mixture. A one-half inch rain or its equivalent in sprinkler impation must be receivad within 24 hours or poor weed control will result.

Application Rate—Groundcovers Only: Apply 1 gallon of TRIFLURALINEC per acre or 3 fluid ounces per 1,000 sq. ft. of groundcover area.

CHEMIGATION:

Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMICATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

Under Paved Surfaces: Directions For Use and Site Preparation: TRIFLURALIN EC should be used only where the area to be treated has been prepared according to good construction practices. if rhizomes, stolons, tubers or other vegetative plant parts are present in the site, they should be removed by scalping with a grader blade to a depth sufficient to insure their complete removal.

Applications should be made only when final grade is astablished or after additions of base rock. Do not move soils following TRIFLURALIN EC application and do not apply this herbicide to areas where asphalt is to be layed directly on top of soil.

Paving should follow TRIFLURALIN EC as soon as possible.

Application Directions: Large Areas: Apply TRIFLURALIN EC in sufficient water to insure thorough wetting of the soil surface or penetration of the spray solution through the base rock layer. A minimum of 150 gallons per acre is recommended. Apply with any sprayer that will apply the spray uniformly. Add the recommended amount of harbicide to clean water in the spray tank during the filling operation. Agitate before spraying.

Small Areas: For treating small areas, a tank type hand sprayer or sprinkling can may be used. Before application determine the amount of water and TRIFLURALIN EC necessary to uniformly cover the area to be treated. Shake or stir the spray solution prior to application.

Application Rate-Under Paved Surfaces Only: Apply 3 to 4 gallons of TRIFLURALIN EC per acre or 9 to 12 fluid ounces per 1,000 sq. ft.

NOTICE OF WARRANTY

Platte warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of the 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 Platte. In no case shall Platte 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. Platte makes no warranties of Merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

FORMULATED FOR PLATTE CHEMICAL COMPANY, INC. 150 SO. MAIN STREET FREMONT, NEBRASKA 68025



PRECAUTIONARY STATEMENTS

HAZAROS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Keep out of reach of children. Do not get in eyes. Avoid contact with skin and clothing. Harmful if swallowed or absorbed through the skin.

First Aid: In case of contact immediately flush eyes or skin with plenty of water. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, or marshes). Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites. Do not contaminate water by cleaning of equipment or disposal of

STATEMENT OF PRACTICAL TREATMENT If in eyes: Flush with plenty of water for 15 minutes and

get medical attention. If on skin: Wash contaminated skin with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention.

If inhaled: Move to clear atmosphere. Restore breathing If necessary. Get medical attention.

If awallowed: Do not induce vomiting and get medical attention immediately. Ingestion is toxic and imitating to the stomach. Vomiting may cause aspiration into the lungs resulting in pulmonary edema which may be fatal. Gastric

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat and open flame.

lavage may be indicated.

SPECIAL PRECAUTIONS

Applied according to directions ar - inder normal grow ing conditions, TRIFLURALIN EC w. not harm the treated crop. Overapplication may result in crop injury or a soi

Uneven application or improper soil incorporation car result in eratic weed control or crop injury. Plant disease cold weather, deep planting, excessive moisture, high salt concentration or drought may weaken crop plants and in crease the possibility of damage.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a man ner inconsistent with its labeling.

STORAGE AND DISPOSAL

PROHIBITIONS-Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Do not store under conditions which might adversely affect the container or its ability to function properly. STORAGE—Avoid freezing. Do not store below

temperature of (40°F.). If frozen, poor weed control may result. Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.