



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

SEP -5 2006

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Steve A. McMaster
Regulatory Manager
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Dear Mr. McMaster:

Subject: Treflan® HFP
EPA Registration No. 62719-250
Application and Your Letter Dated August 23, 2006,
Request to Amend Registration by Adding Supplemental
Labeling for Use in the Control of Annual Grasses and
Broadleaf Weeds in Nursery Stock. Ornamental Trees,
Ornamental Woody Shrubs Ornamental Ground covers,
Roses, Established Flowers, Vegetable Gardens and Under
Paved Surfaces

The proposed labeling amendment to the subject registration of Treflan® HFP has been reviewed and found acceptable under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, provided that you:

- o Submit one (1) copy of the final printed labeling before you release this product for shipment under the subject labeling.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA, section 6(e). Your release for shipment of this product under this labeling constitutes acceptance of this condition.

A stamped copy of the proposed label is enclosed for your records.

Sincerely yours,

Joanne I. Miller

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505P)

Enclosure

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Supplemental Labeling



Dow AgroSciences LLC

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

Treflan[®] HFP

EPA Reg. No. 62719-250

Control of Annual Grasses and Broadleaf Weeds in Nursery Stock, Ornamental Trees, Ornamental Woody Shrubs, Ornamental Groundcovers, Roses, Established Flowers, Vegetable Gardens and Under Paved Surfaces

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Treflan[®] HFP herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Treflan HFP according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Treflan HFP.

Directions for Use

Refer to product label for Treflan HFP for General Information, General Use Precautions, Mixing and Application Instructions, and list of weeds controlled by Treflan HFP.

Treflan HFP will not control DNA-resistant green foxtail.

For the uses on this supplemental labeling, do not aerially apply Treflan HFP or apply Treflan HFP through any type of irrigation system.

Ornamentals

Treflan HFP may be used on the following ornamental species:

Common Name	Scientific Name
Woody Shrubs	
andromeda, Japanese	<i>Pieris japonica</i>
arborvitae, American	<i>Thuja occidentalis</i>
azalea	<i>Rhododendron</i> spp.
barberry, Japanese	<i>Berberis thunbergii</i>
barberry, mento	<i>Berberis mentorensis</i>
boxwood, common	<i>Buxus sempervirens</i>
boxwood, harlands	<i>Buxus harlandi</i>
boxwood, littleleaf	<i>Buxus microphylla</i>
camellia, Japanese	<i>Camellia japonica</i>
camellia, sasanqua	<i>Camellia sasanqua</i>
cherry laurel, American	<i>Prunus caroliniana</i>
cinquefoil	<i>Potentilla</i> spp.
cleyera, Japanese	<i>Cleyera japonica</i>
cotoneaster, cranberry	<i>Cotoneaster apiculata</i>
cotoneaster, zabel	<i>Cotoneaster zabelii</i>
deutzia	<i>Deutzia</i> spp.
elaegnus, silverberry	<i>Elaeagnus pungens</i>

ACCEPTED

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

62719-250

euonymus, spreading
 euonymus, winged
 euonymus, wintercreeper
 firethorn
 forsythia
 guava, pineapple
 hawthorn, India
 holly
 honeysuckle
 juniper
 laurel, mountain
 lilac, common
 mockorange
 pittosporum, Japanese
 privet
 redcedar, eastern
 rhododendron
 spiraea, vanhoutte
 viburnum
 weigela
 willow
 yew, anglojap
 yew, Japanese
 yewpine

Euonymus kiautschovica
Euonymus alatus
Euonymus fortunei
Pyracantha spp.
Forsythia spp.
Fejoa sellowiana
Rhaphiolepis indica
Ilex spp.
Lonicera spp.
Juniperus spp.
Kalmia latifolia
Syringa vulgaris
Philadelphus spp.
Pittosporum tobira
Ligustrum spp.
Juniperus virginiana
Rhododendron spp.
Spiraea vanhouttei
Viburnum spp.
Weigela spp.
Salix spp.
Taxus media
Taxus cuspidata
Podocarpus macrophyllus

Trees

almond
 apple, crabapple
 apricot
 ash, white
 baldcypress
 birch, European white
 blackgum
 cherry
 chestnut, Chinese
 cottonwood
 dogwood, flowering
 dogwood, kousa
 Douglas fir
 fir, balsam
 hemlock, Canada
 honey locust
 larch, Japanese
 locust, black
 maple, Norway
 maple, red
 maple, silver
 maple, sugar
 oak, pin
 oak, red
 oak, scarlet
 peach
 pine, Austrian
 pine, eastern white
 pine, Japanese black
 pine, loblolly
 pine, red
 pine, Scotch
 planetree, London
 plum
 redbud, eastern

Prunus dulcis
Malus spp.
Prunus armeniaca
Fraxinus americana
Taxodium distichum
Betula pendula
Nyssa sylvatica
Prunus spp.
Castanea mollissima
Populus deltoides
Cornus florida
Cornus kousa
Pseudotsuga menziesii
Abies balsamea
Tsuga canadensis
Gleditsia triacanthos
Larix kaempferi
Robinia pseudoacacia
Acer platanoides
Acer rubrum
Acer saccharinum
Acer saccharum
Quercus palustris
Quercus rubra
Quercus coccinea
Prunus persica
Pinus nigra
Pinus strobus
Pinus thunbergiana
Pinus taeda
Pinus resinosa
Pinus sylvestris
Platanus acerifolia
Prunus spp.
Cercis canadensis

gaillardia	sweet alyssum
gladiolus	sweet pea
golden glow	sweet sultan
impatiens	sweet william
ixora	vinca
lobelia	yarrow
lupine	zinnia

Incorporation Directions

Apply and incorporate Treflan HFP prior to planting new nursery stock liners, ornamentals, trees and woody shrubs, and gladioli. (Gladioli corms less than 1 inch in diameter may be injured by preplant applications of Treflan HFP.) Treflan HFP may also be applied to established plantings by using a directed spray to the soil between the rows and beneath the plants.

Broadcast Application Rates for Soil Incorporation Only

Soil Texture	Soil Texture to be Treated	Treflan HFP (pint/acre)
coarse	sand, sandy loam	1 (0.5 lb active)
medium	loam, silt loam, silt	1.5 (0.75 lb active)
fine	clay loam, silty clay, clay	2 (1 lb active)

Treflan HFP is not recommended for use on muck soils.

Ornamental Groundcover Plantings

Application Rate

Apply 1 gallon of Treflan HFP per acre or 3 fl oz per 1000 sq ft of groundcover area.

Field Grown Roses

Apply Treflan HFP as an incorporated treatment at a rate of 2 quarts per acre to field grown roses to control annual weeds listed on the product label. Apply to the soil surface in 5 to 40 gallons of finished spray and incorporate within 24 hours. Use a directed spray if application is made when roses are actively growing. Set incorporation equipment to avoid damage to root systems of established roses. Do not apply more than 2 quarts of Treflan HFP (2 lb active ingredient) per acre per year.

Under Paved Surfaces

Application Directions

Use Treflan HFP only where the soil 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 ensure their complete removal. Apply Treflan HFP after the final road bed is established or after the base rock has been added. Do not move soil after applying Treflan HFP; do not apply Treflan HFP to soil where asphalt is to be applied directly on top of the treated soil. Paving should occur as soon as possible after application of Treflan HFP.

Large Areas: Apply Treflan HFP uniformly with a ground sprayer in sufficient water to ensure 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. Add Treflan HFP to clean water during filling of spray tank. Agitate before spraying.

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

Area Size	Amount of Treflan HFP
small	9 – 12 fl oz/1000 sq ft
large	3 – 4 gal/acre

Beginning with a clean spray tank, fill the sprayer one-half full with clean water. Add correct quantity of Treflan HFP, close the sprayer and shake well to mix. Finish filling sprayer and shake occasionally to keep Treflan HFP mixed in the tank. Apply Treflan HFP in 1 to 5 gallons of water per 1000 square feet on a broadcast basis. Spray uniformly over the top of the soil surface to ensure satisfactory weed control.

Crop residues or existing weeds can interfere with the mixing of Treflan HFP into the soil. A manageable level of such residues allows Treflan HFP to be uniformly mixed into the top 2 to 3 inches of soil. If the level of the crop residue is such that this cannot be done, till the soil prior to application.

Soil Texture Guide:

The amount of Treflan HFP applied varies with the soil texture to be treated. A fine textured soil requires more Treflan HFP than a coarse soil. Choose the proper rate for each application based upon the following soil texture group and specific crop recommendations. Do not exceed recommended rates.

Soil Texture	Soil Classification
coarse (light)	sands, loamy sands, sandy loams
medium	silt, loam
fine (heavy)	clay loams, silty clay loams, clays, silty clays

Rate Conversion Chart:

Treflan HFP	
Rate per 1000 sq ft (teaspoon)	Rate per acre (pint)
2 1/4	1
3 1/3	1 1/2
4 1/2	2

Small Sprayer Calibration Technique: Small sprayer calibration can be achieved by following these five steps:

1. Fill the sprayer full of clean water.
2. Spray over the area to be treated.
3. When the sprayer is empty, measure the area treated to determine the number of square feet per sprayer load.
4. After calculating the number of square feet per sprayer load, calculate the amount of Treflan HFP needed to treat that size area.
5. Refer to the mixing directions on the product label for Treflan HFP.

Incorporation Directions

Thoroughly mix Treflan HFP into the top 2 to 3 inches of the final seedbed (when the garden is ready for planting) or erratic weed control and/or crop injury may result. Equipment such as a rototiller or rake should be used to mix Treflan HFP to the desired 2 to 3 inch depth.

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

Preplant Incorporation: Treflan HFP must be mixed into the top 2 to 3 inches of the final seedbed within 24 hours after application.

Postplant Incorporation: Check specific crop incorporation directions after planting.

Cultivation After Planting

Soil treated with Treflan HFP may be shallow cultivated without reducing the weed control activity of Treflan HFP. Do not cultivate deeper than the treated soil since this may bring untreated soil to the surface and poor weed control may result.

Crop Recommendations

These recommendations are given as broadcast rates of Treflan HFP per 1000 square feet. Apply any

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time after January 1 when the soil can be worked and is suitable for good incorporation. Do not use Treflan HFP on soils containing more than 10% organic matter. Do not use Treflan HFP in areas to be planted with sweet corn or direct seed cucurbits.

For the following crops, use the rates listed below. Apply and incorporate Treflan HFP before planting, at planting or immediately after planting unless otherwise indicated.

Broadcast Rates per 1000 sq ft

Soil Texture	Treflan HFP (teaspoons)
coarse	2 1/4
medium	3 1/3
fine	4 1/2

- **Asparagus (Established):** Follow recommended soil preparation, application and incorporation procedures for Treflan HFP. Treflan HFP can be applied to established asparagus as a single application. Apply Treflan HFP to asparagus after ferns are removed but before spear emergence.
- **Carrot**
- **Celery (Direct Seeded and Transplant)**
- **Cole Crops (Transplant) (Broccoli, Brussels Sprout, Cabbage and Cauliflower):** Apply and incorporate prior to transplanting only.
- **Cucurbits ~ (Postplant Emerged) (Cantaloupe, Cucumber and Watermelon):** Apply Treflan HFP as a direct spray to the soil between the rows and beneath the plants which are in the 3 to 4 true leaf stage. After applying to the soil, incorporate Treflan HFP to mix the chemical to the 2 to 3 inch desired depth. Optimum weed control will be achieved by moving a portion of the treated soil around the base of the established plants.
- **Okra**
- **Pepper (Transplant):** Apply and incorporate prior to transplanting only.
- **Potato (All States Except Maine):** Apply and incorporate Treflan HFP after planting, before emergence, or immediately following dragoff or after the potato plants have fully emerged. Mix Treflan HFP into the soil so a uniform layer of treated soil covers the bed. Concentrated areas of chemical in the bed may retard potato emergence and cause stem brittleness. If potato plants are already emerged when cultivating, do not totally cover foliage with treated soil. Do not damage potato seed pieces or *elongating sprouts with incorporation equipment.*
- **Southern Pea (Before Planting Only)**
- **Tomato (Transplant):** Apply and incorporate prior to transplanting only.

For the following crops, use the rates listed below. Apply and incorporate Treflan HFP before planting.

Broadcast Rates per 1000 sq ft

Soil Texture	Treflan HFP (teaspoons)
coarse	2 1/4
medium	2 1/4
fine	3 1/3

- **Beans (Lima Bean, Snap Bean)**
- **Cole Crops (Direct Seeded) (Broccoli, Brussels Sprout, Cabbage, Cauliflower)**
- **Greens (Turnip Greens, Collard, Kale, Mustard Greens)**
- **Green Pea**

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Accepted: ___/___/___

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