

NOV 22 1995

William F. Lynch, Ph.D.
Product Registration Manager
Rohm and Haas Company
100 Independence Mall West
Philadelphia, PA 19106-2399

Dear Dr. Lynch:

Subject: GOAL[®] 1.6E herbicide
EPA Registration No. 707-174
Application Dated October 30, 1995, Request To
Amend Registration by Removal of Restriction
"Do not apply Goal[®] 2XL herbicide To Globe
Artichoke Plantings before October 1 or
after February 15"

The proposed amendment to the subject pesticide product registration 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 releasing the product for shipment, under the enclosed stamped 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 the product constitutes acceptance of this condition.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (7505C)

CONCURRENCES

SYMBOL							
SURNAME	Wilson:Diskette:ABC25:11-21-95						
DATE							



GOAL 1.6 E[®]

HERBICIDE

ACTIVE INGREDIENT

Oxyfluorfen

2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)

benzene.....19.4%*

INERT INGREDIENTS.....80.6%

Total 100.0%

*Equivalent to 1.6 lbs. active ingredient per gallon.

EPA Reg. No. 707-174

SHAKE WELL BEFORE USING

USE DIRECTIONS FOR:

- ARTICHOKES (GLOBE)
- BROCCOLI/CABBAGE/CAULIFLOWER •CACAO
- CITRUS (NONBEARING) •COFFEE •CONIFER
- CORN •COTTON •COTTONWOOD
- EUCALYPTUS •FALLOW BED
- FALLOW BED (COTTON/SOYBEANS)
- FALLOW LAND •GARBANZO BEANS •GARLIC
- GUAVA(HAWAII ONLY) •HORSERADISH
- JOJOBA •MINT •ONIONS
- ONIONS GROWN FOR SEED
- PAPAYA (HAWAII ONLY) •SOYBEANS
- TARO •TREEFRUIT/NUT/VINE

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

NOV 22

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

707-174

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with a large amount of water for at least 15 minutes. Get prompt medical attention.
IF ON SKIN: Wash thoroughly with plenty of soap and water. If irritation develops, get medical attention.
IF SWALLOWED: Do not induce vomiting. Dilute by giving 2 glasses of water to drink. Call a physician. Do not induce vomiting or give anything by mouth to an unconscious person. **IF INHALED:** Move victim to fresh air. **NOTE TO PHYSICIAN:** Contains petroleum distillates. Aspiration hazard may contraindicate the use of gastric lavage.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

Causes substantial but temporary eye injury and skin irritation. Do not get in eyes, on skin, or on clothing. This material may be harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as Barrier Laminate or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. This product is highly toxic to aquatic invertebrates, aquatic plants, wildlife and fish. Use with care when applying in areas frequented by wildlife or adjacent to any body of water or wetland area. Do not apply when weather conditions favor drift or erosion from target areas.

PHYSICAL OR CHEMICAL HAZARDS

Combustible.
Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as Barrier Laminate or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

- Keep unprotected persons out of treated area until sprays have dried.

CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. **ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.** Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. **IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**

CHEMIGATION

Do not apply this product through any type of irrigation system.

GENERAL USE INFORMATION

Unless otherwise directed by registered supplemental labels, follow the Directions for Use in each crop grower section.

CULTURAL CONSIDERATIONS

In order for GOAL 1.6E herbicide to provide maximum preemergence activity:

Prior to application, the bed or soil surface should be smooth and free of crop and weed trash (decaying leaves, clippings, dead weeds, etc.). Leaves and trash may be removed by blowing the area to be treated or by thoroughly mixing the trash into the soil through cultivation prior to herbicide application.

After application, at least one-quarter inch (1/4 inch) of irrigation or rainfall should occur within 3 or 4 weeks after application. The best results from GOAL 1.6E herbicide are from applications to established beds or soil surfaces that are left undisturbed during the time period for which weed control is desired. Cultural practices that result in redistribution or disturbance of the soil surface after treatment will decrease the herbicidal effectiveness of GOAL 1.6E. Cutting water furrows or cultivations that mix untreated soil into treated areas will also reduce the effectiveness of the treatment.

MIXING DIRECTIONS

Fill the spray tank at least one-third full of clean water. With the pump and agitator running, add the recommended amount of herbicides to the spray tank. The order of addition to the spray tank should be wettable powders first, flowables second and liquids last. Complete filling of the spray tank with water. For all applications of GOAL 1.6E herbicide (except onions) where postemergence weed control is desired, add 2 to 4 pints of LATRON AG-98™ (or comparable 80% active nonionic surfactant cleared for application to growing crops) per each 100 gallons of spray. The addition of 4 pints of Latron AG-98 per 100 gallons of spray is recommended to enhance postemergence activity when hard water (greater than 600 ppm) is used as carrier. Maintain agitation until spraying is completed.

Spray equipment should be calibrated carefully before each use.

Dosages listed on this label are for broadcast application. For banded application, the amount of GOAL 1.6E herbicide used per acre should be reduced according to the following formula:

<u>Band Width (in inches)</u>	X	Rate per	=	Amount Needed per Acre
Row Width (in inches)		Broadcast Acre		for Banded Application

ARTICHOKES (GLOBE)

POST-DIRECTED SPRAY

GENERAL INFORMATION

GOAL 1.6E is an effective herbicide for postemergence and preemergence control of certain broadleaf weeds in artichokes. GOAL 1.6E herbicide should be directed towards the winter ditch, levees or flat rows between the artichoke rows. Artichoke fronds receiving accidental spray or drift will be injured. Over-the-top applications may exhibit severe injury to the foliage and flower bud and are not recommended.

DOSAGE

GOAL 1.6E herbicide is recommended as a post-directed application at 5 to 10 pints (1.0 to 2.0 lbs. active) per acre. Optimum control is achieved when two applications of GOAL 1.6E herbicide are applied at 5 pints (1.0 lb. active) per acre. The initial application should be made to susceptible weed seedlings (up to 8-leaf stage). It is recommended that a second application be made 8 to 10 weeks later. Good results may be achieved when a single application of 10 pints (2.0 lbs. active) of GOAL 1.6E herbicide is applied to susceptible weed seedlings (up to 8-leaf stage). Do not apply more than 10 pints (2.0 lbs. active) of GOAL 1.6E herbicide per treated acre per season as a result of a single application or multiple applications. Do not apply within 5 days of harvest.

WEEDS CONTROLLED POSTEMERGENCE

CHEESEWEED (MALVA)
GROUNDSEL, COMMON
MUSTARD, COMMON YELLOW
NETTLE, BURNING

OXALIS (BERMUDA BUTTERCUP)
SHEPHERDSPURSE
SOWTHISTLE, ANNUAL

WEEDS CONTROLLED PREEMERGENCE

CHEESEWEED (MALVA)
GROUNDSEL, COMMON
LAMBSQUARTERS, COMMON
MUSTARD, COMMON YELLOW

*OXALIS (BERMUDA BUTTERCUP)
SHEPHERDSPURSE
SOWTHISTLE, ANNUAL

*Suppression.

TIMING AND METHOD OF APPLICATION

Treatments should be made October through February 15 after completion of the ditching operation.

GOAL 1.6E herbicide should be applied in a minimum of 40 gallons of water per acre depending upon density of emerged weeds. Spray volume should be increased as weed height and density increase. Use a low-pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated carefully before each use. Spray should be directed towards the winter ditch, levees or flat rows between the artichoke rows. ARTICHOKE FRONDS RECEIVING ACCIDENTAL SPRAY OR DRIFT WILL BE INJURED.

ARTICHOKES (GLOBE)

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply more than 10 pints (2.0 lbs. active) of GOAL 1.6E herbicide per treated acre per season as a result of a single application or multiple applications.
- Do not apply GOAL 1.6E herbicide within 5 days of harvest.

~~DO NOT APPLY GOAL 1.6E HERBICIDE TO GLOBE ARTICHOKE PLANTINGS BEFORE OCTOBER 1 OR AFTER FEBRUARY 15~~

- Avoid direct spray or drift contact of GOAL 1.6E herbicide with artichoke flowers or buds as severe injury may result.
- Do not apply GOAL 1.6E herbicide to artichoke plantings within 60 days after cutting back or transplanting.

SPECIFIC USE RESTRICTIONS FOR INDIVIDUAL CROPS ARE FOUND UNDER DIRECTIONS FOR USE IN EACH CROP GROUP SECTION.

USE RESTRICTIONS THAT APPLY TO ALL REGISTERED APPLICATIONS ARE LISTED BELOW:

GENERAL USE RESTRICTIONS

- Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.
- Do not contaminate irrigation water or water used for domestic purposes.
- Do not use any plants treated with GOAL 1.6E herbicide for feed or forage.
- Do not feed or allow animals to graze on any areas treated with GOAL 1.6E herbicide.
- GOAL 1.6E herbicide should be applied only by ground application equipment except as specifically directed on this label or on other approved Rohm and Haas Company Supplemental Labeling.
- Do not apply when weather conditions favor drift. Avoid drift to all non-target areas. GOAL 1.6E herbicide is phytotoxic to plant foliage.
- Thoroughly flush spray equipment (tank, pump, hoses and boom) with clean water before and after each use. Residual GOAL 1.6E herbicide remaining in spray equipment may damage other crops. To assist removal of GOAL 1.6E herbicide residues in spray equipment, LATRON AG-98 or LATRON CS-7 may be added at the rate of 1 quart per 100 gallons of water during flushing.
- Use GOAL 1.6E herbicide only for recommended purposes and at recommended rates.
- Do not treat ditch banks or waterways with GOAL 1.6E herbicide.
- **CHEMIGATION: Do not apply this product through any type of irrigation system.**

ROTATION CROP RESTRICTIONS

Do not rotate to small-grain crops (includes barley, buckwheat, corn, proso millet, pearl millet, oats, popcorn, rice, rye, sorghum, triticale, wheat, wild rice) within 10 months following a GOAL treatment.

Do not direct seed any crops, other than GOAL-labeled crops, within 60 days following a GOAL treatment.

Do not transplant seedling crops, other than GOAL-labeled crops, within 30 days following a GOAL treatment. **IMPORTANT: TREATED SOIL MUST BE THOROUGHLY INCORPORATED TO A DEPTH OF 4 INCHES AFTER HARVEST (OR ABANDONING) OF THE TREATED CROP BUT PRIOR TO PLANTING OF THE ROTATIONAL CROP. FAILURE TO ACHIEVE THIS THOROUGH AND COMPLETE INCORPORATION OR TO FOLLOW THE REQUIRED MINIMUM PLANT-BACK INTERVAL MAY RESULT IN CROP INJURY, STAND REDUCTION AND/OR VIGOR REDUCTION OF THE PLANT-BACK CROP. See specific fallow bed labeling regarding crop planting information for applications of GOAL 1.6E made to a fallow bed or fallow field.**