

NOV 22 2000

Terre R. Farrell
Registration Specialist
GOWAN COMPANY
P. O. Box 5569
Yuma, AZ 85366

SUBJECT: Label Amendment - Interim Reregistration Eligibility Document
Betasan 4E, EPA Reg. No. 10163-196
Your Letter Dated October 12, 2000

The above mentioned amendment submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided you make the required changes listed below:

1. Under the "PPE" and in the "Agriculture Use Requirement" box change "chemical resistant gloves" to chemical resistant gloves such as barrier laminate or viton \geq 14 mil
2. It is recommended that the "statement of Practical Treatment" be changed to "First Aid" and placed on the front panel directly under the header "Precautionary Statement" and revised as follows:

If swallowed:

1. Call a poison control center or doctor immediately for treatment advice.
 - Have person sip a glass of water if able to swallow.
 - Do not induce vomiting unless told to by a poison control center or doctor.

CONCURRENCES							
SYMBOL ▶	7505C						
SURNAME ▶	MINOR, E.						
DATE ▶	Nov 20, 2000						

-2-

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

If on skin:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If inhaled:

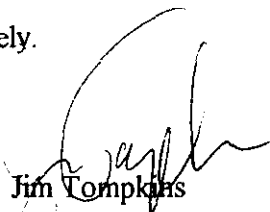
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

3. It is recommended that the "Note to Physician" and any other "Notes" be placed directly below the "First Aid" section.
4. It is recommended that the "General Use Precautions" subheading be changed to "General Use Precautions and Restrictions" and placed under the "Direction For Use" and all precautions and restrictions be placed in this section.

Submit one (1) copy of your final printed labeling before you release the product for shipment. The amended labeling supersede all previously accepted ones. A stamp copy of the labeling is enclosed for your records.

Sincerely,



Jim Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

Enclosure

ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs, in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40CFR 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/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

ENVIRONMENTAL HAZARDS

This chemical is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinseate. Do not apply when weather conditions favor drift from the treated area.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Do not apply directly to water or to area where water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This product may impair reproduction in birds if used during the breeding season.

PHYSICAL HAZARDS

Combustible. Do not use, store, pour or spill near heat or open flame. Keep container closed when not in use.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT: THIS PRODUCT WILL NOT WORK UNLESS IT IS WATERED IN FOR 10-15 MINUTES. FOR SAFETY REASONS, WATER THIS PRODUCT IN AS SOON AS POSSIBLE FOLLOWING APPLICATION FOR 10-15 MINUTES AND DO NOT ALLOW CHILDREN OR PETS ON TREATED AREAS UNTIL DRY FOLLOWING THE WATERING.

WATERING-IN MUST BE PERFORMED BY THE COMMERCIAL APPLICATOR OR THE COMMERCIAL APPLICATOR MUST PROVIDE THE ABOVE WATERING-IN INSTRUCTIONS TO THE RESIDENT IN WRITING USING BOLD FACE TYPE AND/OR RED PRINT OR OTHER METHODS TO ENSURE THE WARNING IS PROMINENTLY DISPLAYED ON THE MATERIAL PROVIDED TO THE RESIDENT.

USE PRECAUTIONS

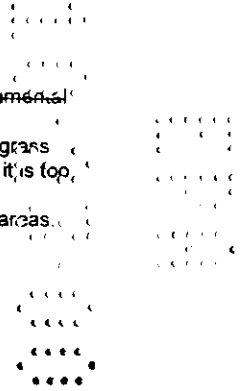
- Do not apply this product in a way that will contact workers or other persons.
- For use only on golf courses (greens, tees and bentgrass fairways only) and on residential lawns.
- Do not use on parks, recreational areas, or other public sites.
- Applications on bentgrass fairways are limited to the following states: OH, PA, NY, MI, CT, MA, IN, IL, NJ, WV, MN, WI, VT, NH, RI, DE, MD, VA). Applications on bentgrass fairways may only be made in the Fall and are limited to one application per year.
- Applications to greens and tees are limited to two per year
- This product may only be broadcast applied by groundboom or by low pressure/high volume turfgun. This product may be applied by low pressure handwand for spot treatments only.
- Read all directions before using. Mix well before diluting with water. BETASAN 4E SELECTIVE HERBICIDE should be used only for recommended uses and at recommended rates. Clean-up spills on walks or patios by covering with dry soil or absorptive material. Bury sweepings and hose area.
- Do not allow children or pets on treated lawns until grass is completely dry.
- BETASAN 4E SELECTIVE HERBICIDE is recommended for use on mineral soils only. Do not apply peat moss to lawn before treating with BETASAN 4E SELECTIVE HERBICIDE.
- Do not use in greenhouses.
- Do not apply this product through any type of irrigation system.

GENERAL INFORMATION

BETASAN 4E SELECTIVE HERBICIDE is recommended for use on home lawns, parks and golf courses, on ornamental plants and on groundcovers for control of crabgrass, annual bluegrass and other annual weeds listed.

Application of BETASAN 4E SELECTIVE HERBICIDE must precede the emergence of weeds from the soil. Crabgrass will emerge from the soil from 4 to 6 weeks before it is visible above lawn sod. If weeds are visible above the soil, it is too late to apply BETASAN 4E SELECTIVE HERBICIDE.

Remove leaves, dead tall grass, and other debris before applying BETASAN 4E SELECTIVE HERBICIDE to turf areas. Any weeds present around ornamentals must be removed or worked into the soil before applying BETASAN 4E SELECTIVE HERBICIDE.



BETASAN 4E SELECTIVE HERBICIDE must be watered into the soil immediately after application. Irrigate with 1/2 to 1 inch of water following the herbicide application to established lawns, ornamentals, and groundcovers.

	WEEDS CONTROLLED	
Annual Bluegrass	Fall Panicum	Lambsquarters
Barnyardgrass	Foxtails	Redroot Pigweed
(Watergrass)	Goosegrass	Shepherdspurse
Deadnettle (Henbit)	Hairy Crabgrass	Smooth Crabgrass

TIMING OF APPLICATION

The most effective program for control of crabgrass, goosegrass, annual bluegrass and other annual weeds is one specifically designed for local conditions. Two or more applications per year may be necessary, using the recommended rates given below for a particular weed problem. For additional information regarding timing and rate of application, consult weed specialists of the State Agricultural Extension Service or the State Agricultural Experiment Station.

GRASS LAWNS: BETASAN 4E SELECTIVE HERBICIDE should be applied only to well established grass lawns. It can be used on the following established turf grasses:

Bahiagrass	Centipedegrass	St. Augustinegrass
Bentgrass spp.	Pensacola Bahiagrass	Zoysiagrass
Perennial Buegrass spp.	Perennial Ryegrass	
Bermudagrass spp.	Rough Stalk Bluegrass	
Centipedegrass	Red Top	

ORNAMENTALS AND GROUNDCOVERS: BETASAN 4E SELECTIVE HERBICIDE should be applied only to the following well established ornamentals and groundcovers:

Herbaceous	Deciduous Trees	Shrubs &	Bulbs
Plants	Groundcovers	Evergreens	
Alyssum	Ajuga	Abelia	Davodil
Aster	Campanula	Azalea	Dahlia
Bachelor's Button	Gazania	Azara	Freesia
Calendula	Hypericum	Boxwood	Gladiolus
Candytuft	Ice Plant	Daphne	Narcissus
Coral Bell	Ivy	Holly	Ranunculus
Daisy	Pachysandra	Juniper	Tulip
Marigold	Periwinkle	Monterey Cypress	
Pansy	Sedum	Monterey Pine	
Primrose	Wild	Myrtle	
Stock	Strawberry	Privet	
Sweet Pea		Pyracantha	
Wallflower		Sandankwa	
		Tobira	
		Xyloema	

For control of crabgrass, apply BETASAN 4E SELECTIVE HERBICIDE at the recommended rate (see RATES OF APPLICATION) any time from fall (September or October) through early spring for spring and summer control. With a late winter or an early spring application, the application must be made prior to crabgrass emergence (see GENERAL INFORMATION).

For control of annual bluegrass and other annual weeds, apply BETASAN 4E SELECTIVE HERBICIDE at the recommended rate (see RATES OF APPLICATION) before weeds emerge from the soil.

Where germination of crabgrass, annual bluegrass and other annual weeds extends into the late summer and early fall, a second application of BETASAN 4E SELECTIVE HERBICIDE at the recommended rates should be made 4 to 5 months after the initial application.

BETASAN 4E SELECTIVE HERBICIDE may only be broadcast applied by groundboom or by low pressure/high volume turfgun. This product may be applied by low pressure handwand for spot treatments only. ~~spray equipment that will provide uniform application such as a knapsack sprayer, hose proportioner, or pressure sprayer.~~ Immediately following this herbicide application, irrigate thoroughly by applying 1/2 to 1 inch of water.

RATES OF APPLICATION

Apply a maximum of 6 1/4 gallons (50 pints) of BETASAN 4E SELECTIVE HERBICIDE per acre (18 fluid ounces per 1,000 square feet) per year in two or more applications depending on the weed species and degree of infestation.

If weed specialists are unavailable to provide specific local recommendations, follow these directions:

CRABGRASS ONLY: Apply 1 7/8-2 1/2 gallons of BETASAN 4E SELECTIVE HERBICIDE per acre with spray volumes of 80-100 gallons per acre. Or, apply 15-20 pints of BETASAN 4E SELECTIVE HERBICIDE per acre with spray volumes of 80-100 gallons per acre. Or, apply 5.6-7.3 fl. oz. of BETASAN 4E SELECTIVE HERBICIDE per 1,000 sq. ft. with spray volumes of 1.8-2.5 gallons per 1,000 sq. ft. Immediately following this herbicide application, irrigate thoroughly by applying 1/2 to 1 inch of water.

