

2217-833

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

SEP 19 2008

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

PBI Gordon Corporation  
1217 West 12<sup>th</sup> Street  
Kansas City, Missouri 64101

Subject: EPA Reg. 2217-833 Speed Zone Broadleaf Herbicide / 2,4-D RED amendment

The labeling referred to above is in compliance with the 2,4-D RED provided that you:

- 1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
- 2) Please note: Final product reregistration can't be considered until after all active ingredients in this product are eligible for reregistration.
- 3) The heading "IF ON SKIN" appearing in the First Aid statements must be revised to read "IF ON SKIN OR CLOTHING."
- 4) Per the acute toxicity review, child resistant packaging is triggered for this product.
- 5) The following revisions are needed to the handler PPE section:
  - "Flaggers" must be deleted from the PPE text "All mixers, loaders, applicators, flaggers, and other handlers," because aerial application is not allowed for products that contain MCPP-p.
  - The glove statement currently on the label ("chemical-resistant gloves when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate") must be revised to read "chemical-resistant gloves," because the acute toxicity review specifies chemical-resistant gloves for all handlers.
- 6) The mechanical transfer engineering control text is no longer needed and may be deleted from the label.
- 7) Per the 2,4-D, Dicamba and MCPP-p REDs, the first 2 sentences in the first paragraph of the Environmental Hazards section must be revised to read:

"This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark."
- 8) Per the MCPP-p RED, the REI must be revised from 24 to 48 hours.

Per the Dicamba RED, the early entry PPE must be revised to read:

"Coveralls worn over short-sleeve shirt and short pants,  
Chemical-resistant footwear plus socks,

Chemical-resistant gloves made of any waterproof material,  
Chemical-resistant headgear for overhead exposure,  
Protective eyewear.”

9) Per the product chemistry review, the heading “Storage” should be revised to read “Pesticide Storage” in the Storage and Disposal section of the label.

10) Per the 2,4-D, Dicamba and MCPP-p REDs, the spray drift text currently on the draft label must be revised to read:

#### **“Spray Drift Management**

A variety of factors including weather conditions (e.g., wind directions, wind speed, temperature, relative humidity) and method of ground application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

#### **Droplet Size**

Use a medium or coarser spray nozzles according to (ASAE standard 572) definition of standard nozzles or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

#### **Wind Speed**

Do not apply at wind speeds greater than 10 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind.

#### **Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

#### **Susceptible Plants**

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

#### **Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

#### **Equipment**

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

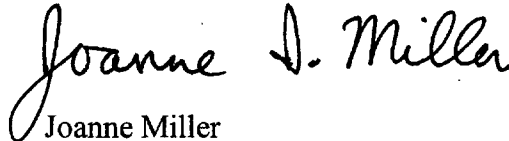
2,-4-D esters may volatilize during conditions of low humidity and high temperatures. Do not apply during

conditions of low humidity and high temperatures.”

- 11) Per the MCPP-p RED, the retreatment interval for ornamental turfgrass (“the retreatment interval for sequential broadcast applications of this product on ornamental turfgrass is two (2) to six (6) weeks depending upon the growth stages of the target weeds”) appearing on the bottom of Page 8 of the label must be revised to be at least 30 days.
- 12) On page 8, change “rate recommendations” to “rates”.
- 13) To the label add “Do not apply more than two applications per year, including broadcast applications in combination with spot treatments”.
- 14) To the Warranty section add “to the extent consistent with applicable law” in front of “the exclusive remedy”.
- 15) To the label add “Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et. al. v. EP, C01-0132C, (W.D. WA). For Further information, please refer to <http://www.epa.gov/espp/wtc/>.”

Submit one copy of the revised final printed label for the record. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

Sincerely,



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

# SPEED ZONE BROADLEAF HERBICIDE

## EPA Reg. No. 2217-833

ACTIVE INGREDIENT:	
2,4-D, 2-ethylhexyl ester .....	28.57%
Mecoprop-p, acid .....	5.88%
Dicamba, acid .....	1.71%
Carfentrazone-ethyl .....	0.62%
INERT INGREDIENTS:.....	<u>63.22%</u>
TOTAL.....	100.00%

### THIS PRODUCT CONTAINS:

- 1.53 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 18.95%.
- 0.48 lbs. (+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 5.88%.
- 0.14 lbs. 3,6-dichloro-o-anisic acid equivalent per gallon or 1.71%.
- 0.05 lbs. Ethyl α,2-dichloro-5-[4(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate per gallon or 0.62%

Isomer Specific by AOAC Methods.

✓ Contains petroleum distillates

TRIMEC® is a registered trademark of PBI/Gordon Corporation.

**ACCEPTED**  
with **COMMENTS**  
In EPA Letter Dated:

SEP 19 2008

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

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

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.)

2217-833

**STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**

## PRECAUTIONARY STATEMENTS

### Hazards to Human and Domestic Animals

**CAUTION:** Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### Personal Protective Equipment

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber or Viton. If you want more options, follow the instructions for category E on a EPA chemical resistance category selection chart.



All mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes and socks, plus
- chemical resistant gloves when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.
- chemical resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

See engineering controls for additional requirements.

### User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Control Statements

Containers over 1 gallon and less than 5 gallons: Mixers and loaders who do not use a mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE.

Containers of 5 or more gallons: Do not open-pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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 [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.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should 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.

### First Aid

<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical information.  
**NOTE TO PHYSICIAN:** Contains petroleum distillates - vomiting may cause aspiration pneumonia.

**Environmental Hazards**

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except as noted on appropriate labels. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**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 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,  
• chemical-resistant gloves made of any water-proof material,  
• shoes plus socks.

**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.  
  
**Reentry Statement:** Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

**PRODUCT DESCRIPTION:** Speed Zone Broadleaf Herbicide contains four active ingredients including carfentrazone-ethyl that broaden the spectrum of weed control. Carfentrazone-ethyl is in the aryl

triazolinone family and inhibits protoporphyrinogen oxidase (Protox), a pivotal enzyme in chlorophyll production.

Speed Zone Broadleaf Herbicide offers these advantages:

- Excellent postemergent activity with proven performance for broadleaf weed control in turfgrass.
- Superior cool weather performance.
- High selectivity (turfgrass safety) in established cool season turfgrass and warm season turfgrass.
- Good toxicological, environmental, and ecological properties compared to the standards.
- Carfentrazone-ethyl combinations provide rapid and effective weed control for common and troublesome weed species in turfgrass, e.g. spurge, pennywort (dollarweed), dandelion, and white clover.
- Fast acting with evidence of injury within hours. The speed of action (rate of phytotoxicity) and the early injury symptoms are unique features of carfentrazone-ethyl combinations. Generally, the injury symptoms can be noticed within hours of the application and plant death can occur within 7 - 14 days.

#### **SPRAY PREPARATION AND TANK MIXTURES:**

Speed Zone Broadleaf Herbicide is an emulsifiable concentrate intended for dilution with water. In certain applications, liquid fertilizer may replace part of the water in the mixture.

##### **Mixing with Water:**

Add one-half the required amount of water to the spray tank, then add Speed Zone Broadleaf Herbicide slowly with agitation, and complete filling the tank with water. To prevent separation of the emulsion, mix thoroughly and continue agitation while spraying.

This product forms an emulsion and can separate upon extended or prolonged standing. Re-agitate to assure uniformity of the spray mixture. Storage of the spray mixture beyond 72 hours is not recommended.

Do not use tank additives that alter the pH of the spray solution below pH 5 or above pH 8. Buffer the spray solution to alter the pH range as appropriate.

##### **Mixing with Liquid Fertilizers:**

Use suitable sources and rates of fertilizer based upon local recommendations. Refer to the mixing directions on the labels of the liquid fertilizers (e.g. UAN or urea solutions). Always perform a jar compatibility test before large scale mixing.

#### **GROUND EQUIPMENT:**

Power sprayers fitted with a boom or spray wand/gun may be used for broadcast applications and spot treatments. For best spray distribution and coverage, select a spray volume and delivery system that will ensure accurate and uniform coverage. Boom sprayers equipped with appropriate flat fan nozzles, tips, and screens are suitable for broadcast applications. Do not use flood nozzles, Raindrop<sup>®</sup>, or nozzle tips larger than 8008. Spray droplets larger than 400 microns may reduce coverage and subsequent loss in weed control.

Spray volumes of 3 - 175 gallons per acre with spray pressures adjusted to 20 - 40 psi are appropriate. Use higher spray volumes for dense weed populations.

Hand operated sprayers including backpack sprayers, compression sprayers, and knapsack sprayers are appropriate for small turfgrass areas when power equipment is unavailable, uneconomical, or impractical.

**Hand-held techniques:** Wands fitted with flat fan nozzle tips may be used with the appropriate technique. Flat fan nozzles should not be waved in a back-and-forth motion, or in a side-to-side motion, or in a swinging arm motion. Instead the nozzle should be held stationary at the proper height. Side to side motions result in uneven coverage.

This product may cause injury to susceptible/nontarget plants at the use site by contacting the foliage, stems, or roots. To prevent injury to susceptible crops and other desirable broadleaf plants including but not limited to cotton, legumes, tobacco, tomatoes, garden/vegetable crops, and ornamentals (flowers, trees, and shrubs) avoid contact with the spray solution, spray droplets, and spray mist (fine droplets). Applications are recommended only when there is no potential hazard from spray drift during dormant and active growth periods.

After using this product, clean sprayer with soap or detergent and water, or an approved spray tank cleaner and rinse thoroughly before applying other pesticides.

**Spray Drift Management**

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Droplet Size**

When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a Coarse or coarser spray, apply only as a Coarse or coarser spray (ASAE standard 572) or a volume mean diameter of 385 microns or greater for spinning atomizer nozzles.

When applying sprays that contain 2,4-D mixed with other active ingredients that require a Medium or more fine spray, apply only as a Medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

**Wind Speed**

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind. If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.

**Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

**Susceptible Plants**

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

2,4-D esters may volatilize during conditions of low humidity and high temperatures. Do not apply during conditions of low humidity and high temperatures.

**Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

**Equipment**

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.



*Additional requirements for ground boom application: Do not apply with a nozzle height greater than 4 feet above the crop canopy.*

#### **WHERE TO USE:**

Speed Zone Broadleaf Herbicide provides selective broadleaf control in warm season and cool season turfgrass in five (5) use sites.

- Institutional sites are defined as turf areas around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sport facilities, golf courses (fairways, aprons, and roughs), and office buildings.
- Ornamental sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings, recreation areas, fairgrounds, and areas adjacent to athletic fields.
- Residential/domestic sites are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.
- Agricultural site: Commercial sod production
- Noncropland Sites: Highway rights-of-way (principal, interstate, county, private, and unpaved roads): Roadsides, roadside ditches, road shoulders, road embankments, dividers, and medians. Municipal, state, and federal lands: Airports and military installations.

#### **Prohibitions of Sites:**

- Do not apply to any body of water such as lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays). Do not apply to any shorelines (noncropland sites adjacent to the edges of a body of water) for lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays).
- Do not apply to wetlands (swamps, bogs, potholes, or marshes).
- Do not apply to agricultural irrigation water or on agricultural irrigation ditchbanks and canals.
- Do not apply to agricultural drainage water or on agricultural ditchbanks.
- Do not apply this product to bentgrass greens, St. Augustinegrass, carpetgrass, dichondra, legumes, and lawns where desirable clovers are present.

#### **APPLICATION SCHEDULES:**

Early postemergent applications of Speed Zone Broadleaf Herbicide are recommended for annual, biennial, and perennial weeds. Apply Speed Zone Broadleaf Herbicide to broadleaf weeds that are young and actively growing for the best results. Speed Zone Broadleaf Herbicide combines a contact herbicide with systemic herbicides and provides little or no residual activity at recommended use rates.

Speed Zone Broadleaf Herbicide may be applied as a single broadcast application or as a split/sequential broadcast applications in the spring, summer, or fall. Spring and fall treatments under adequate soil moisture conditions are preferred to the summer treatments. Generally, summer broadcast applications to older, drought stressed weeds are less effective.

Sequential broadcast applications or follow-up applications as spot treatments at a 2 - 6 week interval are recommended for more mature weeds, for dense infestations, and for adverse environmental conditions. Spot treatments during the summer may be appropriate for sparse infestations, or as a follow-up treatment anytime broadleaf weeds are susceptible. Apply on a spray-to-wet basis for the best results.

Extremes in environmental conditions e.g. temperature and moisture, soil conditions, and cultural practices may affect the activity of Speed Zone Broadleaf Herbicide. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicide symptoms is delayed, and weeds hardened off by drought are less susceptible to Speed Zone Broadleaf Herbicide.

#### **For newly seeded areas:**

- The application of Speed Zone Broadleaf Herbicide to grass seedlings is recommended after the second mowing.

**Reseeding interval:**

- Treated areas may be reseeded 1 week after application.

**For newly sodded, sprigged, or plugged areas:**

- The application of Speed Zone Broadleaf Herbicide to newly sodded, sprigged, or plugged grasses should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations.

**For dormant turf:**

- Applications to fully dormant bermudagrass, fully dormant zoysiagrass, and fully dormant buffalograss are suggested.

**Prohibitions for application schedules:**

- Do not broadcast apply when air temperatures exceed 90°F; some injury may be expected with spot treatments when air temperatures exceed 90°F.

**USE RATES AND SPRAY VOLUMES FOR TURFGRASS:**

Generally, the lower application rates within the specified range will provide satisfactory control of sensitive weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

Use rates and spray volumes of Speed Zone Broadleaf Herbicide as a broadcast treatment for use on turfgrass are presented in Table 1.

**TABLE 1. RATE RECOMMENDATIONS FOR SOD FARMS, ORNAMENTAL LAWNS AND TURFGRASS**

Species	Amount of Product, Pints/Acre	Recommended Spray Volume, Gallons/Acre	Amount of Product, fl. oz./1,000 sq. ft.	Spray Volume, Gallons per 1,000 sq. ft.
<b>Cool-Season Turf</b>				
Kentucky bluegrass, annual bluegrass, annual ryegrass, perennial ryegrass, tall fescue, red or fine leaf fescues, creeping bentgrass, colonial bentgrass (excluding golf greens)	3.0 to 5.0	3 to 175	1.1 to 1.8	0.1 to 4.0
Mixtures of cool-season species in noncropland areas established for aesthetic purposes	3.0 to 5.0	3 to 175	1.1 to 1.8	0.1 to 4.0
Mixtures of cool-season species in noncropland areas established for roadside vegetation management or for low maintenance. (Kentucky bluegrass, tall fescue, smooth brome grass, and orchardgrass)	3.0 to 5.0	3 to 175	1.1 to 1.8	0.1 to 4.0
<b>Warm-Season Turf</b>				
Common bermudagrass, hybrid bermudagrass, zoysiagrass and buffalograss	2 to 4	3 to 175	0.75 to 1.5	0.1 to 4.0
<ul style="list-style-type: none"> <li>• For Warm-Season turf, lower rates listed above should be used in warmer temperatures (above 80°F).</li> <li>• Maximum control of weeds will be obtained with early to mid-spring or mid- to late-fall applications.</li> </ul>				
<b>Turfgrass tolerance:</b> The turfgrass tolerance to SpeedZone Broadleaf Herbicide may vary and temporary turfgrass yellowing may occur on certain varieties of hybrid bermudagrass. Environmental conditions and certain spray tank additives (e.g., adjuvants, wetting agents, surfactants), liquid fertilizers, and tank mixtures containing other emulsifiable concentrates may reduce the selectivity on the turfgrass.				
<b>For dormant turf:</b> Applications to fully dormant bermudagrass, fully dormant zoysiagrass, and fully dormant buffalograss are suggested. Avoid applications during winter-to-spring and fall-to-winter transition periods.				

<b>Limitations on 2,4-D applications to ornamental turfgrass and sod farms</b>					
Use Site	Maximum Rate per Application	Maximum Number of Applications per Year	Minimum Interval Between Applications	Minimum Spray Volume	Maximum seasonal rate
Ornamental turfgrass	5.0 pints/A ( 1.0 lb 2,4-D ae/A)	2	NA	2 gal/A	10 pints/A ( 2.0 lb 2,4-D ae/A)
Sod farms	5.0 pints/A ( 1.0 lb 2,4-D ae/A)	2	21 Days	2 gal/A	10 pints/A (2.0 lb 2,4-D ae/A)

ae = Acid Equivalent. Do not exceed the maximum seasonal rate of 10 pints of product or 2.0 pounds of 2,4-D acid equivalent per acre per season, excluding spot treatments

The maximum seasonal rate of carfentrazone-ethyl contained in this product with two (2) broadcast applications to turfgrass is 0.062 pounds of carfentrazone-ethyl per acre per season. The retreatment interval for sequential broadcast applications of this product on ornamental turfgrass is two (2) to six (6) weeks depending upon the growth stages of the target weeds.

**SPOT TREATMENTS WITH HAND OPERATED SPRAYERS (INCLUDING BACKPACK SPRAYERS, COMPRESSION SPRAYERS, AND KNAPSACK SPRAYERS):**

- **For Cool-Season Turfgrass:** Mix 1.1 - 1.8 fl.oz. of Speed Zone Broadleaf Herbicide per one (1.0) gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. Apply any time the emerged broadleaf weeds are susceptible. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.
- **For Warm-Season Turfgrass:** Mix 0.75 - 1.5 fl.oz. of Speed Zone Broadleaf Herbicide per one (1.0) gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. Apply any time the emerged broadleaf weeds are susceptible. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants. For warm-season turf, lower rates listed above should be used in warmer temperatures (above 80°F).

**Hand-held techniques:** Wands fitted with flat fan nozzle tips may be used with the appropriate technique. Flat fan nozzles should not be waved in a back-and-forth motion, or in a side-to-side motion, or in a swinging arm motion. Instead the nozzle should be held stationary at the proper height. Side-to-side motions result in uneven coverage.

Speed Zone Broadleaf Herbicide may be tank mixed with other herbicides EPA-registered for use on turfgrass to broaden the weed control spectrum compared to the products alone. These tank mixtures must be used according to the most restrictive label limitations and precautions. No label dosage rate should be exceeded. Follow the labeling of each companion product for precautionary statements, directions for use, dosage rates, and application schedules. Tank mixture recommendations are for use only in states where the companion products and application site are registered.

**CULTURAL TIPS FOR IMPROVED CONTROL:**

**Irrigation:**

- Do not apply this product through any type of irrigation system.
- Do not apply this product immediately before rainfall or irrigation.
- **Rainfast period:** Rainfall or irrigation occurring within 3 to 4 hours after application of this product may reduce the effectiveness.

**Mowing:**

- Delay mowing 1 to 2 days before and after the application of this product.

**BROADLEAF WEEDS CONTROLLED:**

Speed Zone Broadleaf Herbicide will control or suppress the following broadleaf weeds and will control or suppress other broadleaf weeds that are susceptible to 2,4-D.

<b>BROADLEAF WEEDS</b>		
Annual fleabane	Field madder	Poison ivy
Aster, white heath & white prairie	Field oxeye-daisy (*creeping oxeye)	Poison oak
Bedstraw	Field pennycress	Puncturevine
Beggarticks	Filaree, whitestem & redstem	Purple cudweed
Beggarweed, creeping	Florida pusley	Purslane
Bindweed	Ground ivy	Ragweed
Birdsfoot trefoil	Groundsel	Redweed
Black medic	Hairy bittercress	Red sorrel (*sheep sorrel)
Broadleaf plantain	Hawkweed	Roundleaf greenbriar
Buckhorn plantain	Healall	Shepherdspurse
Bull thistle	Henbit	Spotted spurge
Burclover	Horsenettle	Spurge
Burdock, common	Horseweed	Star of Bethlehem***
Buttercup, creeping	Innocence (Blue-eyed Mary)	Sunflower
Carolina geranium	Jimsonweed	Thistle
Carpetweed	Kochia	Velvetleaf (*buttonweed)
Chickweed, common	Knotweed	Venice mallow
Chicory	Lambsquarters	Veronica (*corn speedwell)
Cinquefoil	Lawn burweed	Virginia buttonweed**
Clover	Lespedeza, common	Virginia creeper
Cocklebur	Lesser celandine**	Western salsify
Common mullien	Mallow, common	White clover (*Dutch clover, honeysuckle clover, white trefoil, & purplewort)
Compassplant	Matchweed	Wild carrot
Curly dock	Mouseear chickweed	Wild garlic
Dandelion	Mustard	Wild geranium
Dayflower	Nettle	Wild lettuce
Deadnettle	Old world diamond flower	Wild mustard
Dock	Oxalis (*yellow woodsorrel & creeping woodsorrel)	Wild onion
Dogfennel	Parsley-piert	Wild strawberry
Dovefoot geranium	Pennsylvania smartweed	Wild violet
English daisy	Pennywort (*dollarweed)	Yarrow
False dandelion (*spotted catsear & common catsear)	Pepperweed	Yellow rocket
Field bindweed (*morningglory & creeping jenny)	Pigweed	and many other broadleaf weeds
	Pineappleweed	
	Plantain	
*Synonyms		
**Second application may be required in approximately 14-21 days		
***Use higher rates for best results		

## **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your state Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** For Metal Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. For Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke.

## **LIMITED WARRANTY AND DISCLAIMER**

**IMPORTANT:** Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner or use of application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS.** Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use, subject to the inherent risks described below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED.**

**THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OF HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THE PRODUCT.** The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this LIMITED WARRANTY AND DISCLAIMER in any manner.

## **APPENDIX**

### **1. Statements which may appear on different label components depending on packaging configuration.**

- See next panel for additional Precautionary Statements and First Aid
- Net Contents: \_\_\_\_\_
- EPA Est. No. \_\_\_\_\_

### **2. Advertising claims that may be presented on container labeling, advertisements, brochures, and other marketing/sales promotional materials:**

- Rainfast in as little as 3 hours
- Rainfast [Rainproof] in 3 hours
- Visible results in just 24 hours
- Visible results in as little as 24 hours
- Clover control in as little as one week
- Proven cool-weather performance
- Consistently fast control on tough weeds like clover, plantain, ground ivy and spurge [various other listed weeds].
- [This product] Smokes weeds, fast
- From the makers of Trimec® herbicides.
- For information call XXX-XXX-XXXX [contact [www.xxx-xxxx.com](http://www.xxx-xxxx.com)]
- Speed Zone Broadleaf Herbicide provides rapid and effective weed control including white clover, dandelion, ground ivy and spurge in turfgrass.
- Fast-acting, cool-weather performance with visible effects within hours
- Reseed in 1 week
- High selectivity (turfgrass safety) in established cool and warm-season turfgrass.
- Sites include lawns, golf courses, sod farms, roadsides and many other turf sites

## **DOCUMENT CONTROL INFORMATION**

**1. Unique Label Identifier:** 002217-00833.20071105

**2. Previous Version:** AP041806

**3. Reason for Issue:** Various changes pertaining to re-registration. Re-format label.