

5905-575

12/02/2009

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Scott A. Pace  
Helena Chemical Company  
225 Schilling Blvd, Suite 300  
Collierville, Tennessee 38017

DEC - 2 2009

Dear Mr. Pace:

**SUBJECT:** Label Amendment – Dicamba Eight-Month Response  
BW II  
EPA Registration No. 5905-575  
Your Application Dated April 2, 2008

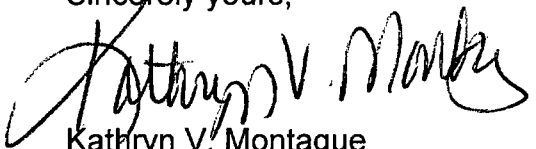
The label amendment referred to above, submitted in accordance with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

1. Under the "Personal Protective Equipment" section, revise the "Chemical-resistant apron" statement to read: "Chemical-resistant apron when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate."
2. Under the "Agricultural Use Requirements" section, revise the first statement to read: "Coveralls worn over short-sleeved shirt and short pants".
3. Under the "Non-agricultural Use Requirements" section:
  - a. Revise the "entry" statement to read: "Do not enter or allow people or pets to enter until sprays have dried."
  - b. Add the following statement: "USE REQUIREMENTS FOR PASTURES, PERENNIAL GRASSLANDS, RANGELAND, FALLOW LAND AND NONCROP AREAS: Do not enter treated areas until spray has dried. For early entry to treated areas, wear eye protection, chemical-resistant gloves made of any waterproof material, long-sleeved shirt, long pants, shoes and socks."

4. Under the "Forest Management" section, add the following restriction per the cited product: "Do not apply more than 4 pints per acre per application."
5. Change "General Information" to "Product Information" (pg.4).
6. Remove words "chemigation prohibition", (leave "Restrictions").
7. Under "Drift Reduction Information" remove the sentence, "Leave an adequate buffer zone between area to be treated and sensitive plants." (pg. 5). It is vague and not enforceable.
8. Move the sentence, "Do not apply in greenhouses". (pg.5) up to "Restrictions" section.

A stamped copy is enclosed for your records. Please submit one (1) copy of your final printed labeling before you release the product for shipment. This amended labeling supersedes all previously accepted ones.

Sincerely yours,



Kathryn V. Montague  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505P)

Enclosure



BW III

3/26  
ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

DEC - 2 2009  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.:

5905-575

For control of a wide-spectrum of annual, biennial, and perennial broadleaf weeds and brush in Pastures, Rangelands and Grass (Hay, Silage); Conservation Reserve Program land; General Farmstead Areas; Post-Harvest, Fallow, Crop Stubble and Set Aside Acres; Forest Management; Sorghum; Wheat; Roadsides, Rights-of-way, Industrial Sites and similar Non-crop areas.

ACTIVE INGREDIENT(S):

3,6-dichloro- <u>o</u> -methoxybenzoic acid*	80.80 %
(2,4-dichlorophenoxy) acetic acid**	24.16 %
OTHER INGREDIENTS:	65.04 %
TOTAL	100.00%

Equivalent to:

\*Dicamba Acid, 1.0 lbs./gal (CAS # 1918-00-9)

\*\*2,4-D Acid, 2.3 lbs./gal (CAS # 94-75-7)

Isomer specific by AOAC Method 6.D01-5 (12th Ed.)

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

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 you in detail.)

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
IF INHALED:	<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 further treatment advice.</li> </ul>
IF SWALLOWED:	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have a person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
IF ON SKIN OR CLOTHING:	<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 further treatment advice.</li> </ul>
HOT LINE NUMBER - Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

SEE INSIDE PANEL FOR ADDITIONAL PRECAUTIONS AND DIRECTIONS FOR USE

EPA Reg. No. 5905-AD080907

EPA Est. No. 42750-MO-001

NET CONTENTS:

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Manufactured For:  
HELENA Chemical Company  
225 Schilling Blvd, Ste 300  
Collierville, TN

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage. Harmful if inhaled. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT

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

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

- Long-Sleeved shirt and long pants
- Chemical resistant gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron

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. After each day of use, clothing or PPE must not be re-used until it has been cleaned.

See engineering controls for additional requirements.

If this container contains 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.

If this container contains 5 gallons or more in capacity, do not open pour. 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.

ENGINEERING CONTROL STATEMENTS

When handlers use enclosed cabs, or aircraft 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.

Pilots must use cockpits in a manner that meets the requirements, listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6).

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 change into 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 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 water 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.

Groundwater Contamination: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

#### Endangered Species Concerns:

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

### 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.

This labeling must be in the user's possession during application. **Maximum single application rate of Dicamba: 1.0 lb ai/acre and no more than 2 applications per year.**

### 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 48 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 waterproof material
- Chemical resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure

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- Protective eyewear

Notify workers of the application by warning them orally and by posting warning signs at the entrance to treated areas.

#### 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.

Do not enter or allow others to enter until sprays have dried.

#### STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Do not store under conditions that might adversely affect the container or its ability to function properly.

**PESTICIDE STORAGE:** Do not store below temperature of 32°F or above 100°F. Store in original container in a well-ventilated area separately from fertilizer, feed, and foodstuffs. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. 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:

**Plastic/Metal Containers:** Triple rinse (or equivalent) and add rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### Returnable-Refillable Container (Drum/Bulk/Mini-bulk):

When this container is empty, replace the cap and seal all openings that have been opened during use; and return the container to the point of purchase or to a designated location named at the time of purchase of this product in a bulk container. This container may only be refilled with this herbicide. **DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE.** Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transporting. Do not transport if this container is damaged or leaking. If the container is damaged, leaking or obsolete, contact ChemTrec at 1-800-424-9300 or Helena Chemical Company at 515-964-9444. If not returned to the point of purchase or to the designated location, triple rinse emptied container and offer for recycling. Disposal of this container must be in compliance with state and local regulations.

**In Case of Spill:** In case of large-scale spillage regarding this product, call ChemTrec 800-424-9300.

#### Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

### I. GENERAL INFORMATION

BW III is a postemergence herbicide for controlling a wide spectrum of annual, biennial, and perennial broadleaf weeds and brush in pastures, rangeland, and grass (hay, silage); sorghum; wheat; conservation reserve program land; postharvest, fallow, crop stubble, set-aside acres; general farmstead areas; certain noncrop areas; and for forest management.

Mode of Action

BW III contains two active ingredients uniquely formulated to be used alone or tank mixed with other listed products as well as liquid fertilizer solutions. BW III is readily absorbed by plants through shoot and root uptake, translocates throughout the plant's system, and accumulates in areas of active growth. BW III interferes with the plant's growth hormones (auxins) resulting in death of many broadleaf weeds.

For best results, thoroughly clean sprayer equipment (tank, lines and nozzles) immediately after use by flushing system with water and heavy duty detergent or other suitable tank cleaner.

II. APPLICATION INSTRUCTIONS

Apply BW III at the rates and growth stages listed in Tables 1 and 2 as follows unless instructed differently by section on "Food/Feed Crop Specific Information" or "Non-Food/Feed Use (Land not Harvested, Grazed or Foraged)-Specific Information." BW III may be applied using water or sprayable fluid fertilizer as a carrier. Sprayable fluid fertilizer may be used as the carrier in preplant or pre-emergence use for all crops listed on this label. Postemergence uses with sprayable fluid fertilizer may be made on pasture, hayland, or wheat crops only. The most effective application rate and timing varies based on the target weed species (refer to Table I). In mixed populations of weeds the correct rate is determined by the weed species requiring the highest rate. Delaying application permits weeds to exceed the maximum size and will prevent adequate control. For certain specified applications liquid fertilizer or oil may replace part or all of the water as diluent. If dry flowable (DF), wettable powder (WP) or flowable (F) tank mix products are to be used, these should generally be added to the spray tank first. Follow the mixing directions on the labels of the tank mix products.

Apply product only when active weed growth is evident.

CHEMIGATION PROHIBITION

Restrictions:

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

Spray Coverage:

Weeds must be thoroughly covered with spray. Dense leaf canopies shelter smaller weeds and prevent adequate spray coverage. Do not apply more than 2 applications per year.

Sensitive Crop Precautions:

BW III may cause injury to desirable trees and plants, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes and other broadleaf plants when contacting their roots, stems or foliage. At high temperatures (about 85 degrees or higher), vapors from this product may cause injury to the aforementioned susceptible crops. These plants are most sensitive to BW III during their development or growing stage. Do not treat areas where either possible downward movement into the soil or surface washing may cause contact of BW III with the roots of desirable trees and shrubs.

Drift Reduction Information:

The following information may be helpful in reducing possible spray drift from ground or aerial applications. Avoid making applications when spray particle may be carried by air currents to areas where sensitive crops and plants are growing. Do not spray near sensitive plants if the wind is gusty or in excess of 5 mph and moving in the direction of nearby sensitive crops or if a temperature inversion exists. Always determine the direction and distance of possible spray drift prior to application. Leave an adequate buffer zone between area to be treated and sensitive plants. Coarse sprays are less likely to drift out of the target area than fine sprays. Properly maintain and calibrate all spray equipment. The use of agriculturally accepted drift retardants are acceptable and advised. Avoid applications within the vicinity of susceptible plants when at all possible. Do not apply in greenhouses.

## AERIAL APPLICATION METHODS AND EQUIPMENT

**Water Volume:** Use 3-10 gallons of water per acre. Use the higher spray volume when treating dense or tall vegetation.

**Application Equipment:** Select nozzles designed to produce minimal amounts of fine spray particles. Make applications at the lowest stage height to reduce the exposure of spray droplets to evaporation and wind. The applicator must follow the most restrictive use cautions to avoid drift hazards, including those found in the this labeling as well as applicable state and local regulations and ordinances.

### SPRAY DRIFT MANAGEMENT

**AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.**

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 (vegetable 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 aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications.

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

Do not apply during conditions of low humidity and high temperatures.

### SENSITIVE AREAS

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Table 1. Application Rate and Timing – Annual Weeds

(For use in non-food/feed crops only: the addition of liquid fertilizer (28-0-0,32-0-0) solutions at ½ the GPA spray solution has shown to give increased efficacy.)

Weeds Controlled (including ALS – and triazine-resistant)	Rate Per Acre (according to weed growth stage)					
	1/3 pints	2/3 pints	1 pints	1 1/8 pints	1 2/3 pints	2 pints
Beebalm, Spotted	-	-	-	pre-bloom	post-bloom	-
Broomweed	1-3"	3" branching	-	branching	-	after branching
Buckwheat, Wild	-	1-6"	-	-	-	-
Buffalobur	-	-	-	1-6"	-	Flowering
Burdock	-	pre-flower	-	-	-	-
Buttercup	-	pre-flower	-	early bloom	late bloom	-
Chickweed, Common	-	Seedling	1-3"	-	-	-
Cockle, Cow	-	< 3"	-	-	-	-
Cocklebur, Common	-	1-6"	6-12"	12-18"	-	-
Coreopsis, Plains	1-4"	1-6"	-	-	-	-
Croton, Woolly	-	4-12"	12-30"	-	-	-
Dogfennel	-	-	-	10-15"	-	-
Evening Primrose	-	< 2"	-	2-6"	-	-
Flax	-	< 2"	-	-	-	-
Fleabane, Annual	-	1-4"	4-8"	8"	-	-
Fixweed	-	< 3"	-	-	-	-
Henbit	-	-	preflower	-	flower	-
Knotweed Spp.	-	< 3" runners	-	> 3" runners	-	actively growing
Kochia	-	1-6"	6-10"	10-20"	-	actively growing
Lambsquarters, Common	-	1-6"	6-10"	10-20"	-	actively growing
Mallow, Common	-	< 3"	-	-	-	-

Weeds Controlled (including ALS – and triazine-resistant)	Rate Per Acre (according to weed growth stage)					
	1/3 pints	2/3 pints	1 pints	1 1/8 pints	1 2/3 pints	2 pints
Morning glory, Ivyleaf	-	pre-flower	-	-	-	-
, Tall	-	pre-flower	-	post-flower	-	-
Mustards, Annual		Rosette		early bolt	-	-
, Tansy	-	< 3"			-	
Pennycress, Field	-	-	-	rosette	-	-
Pepperweed, Virginia	-	-	1-3"	3-6"	after branching	-
Pigweed, Prostrate	-	< 3"	-	-	-	-
, Redroot	-	< 3"	3-10"	-	-	-
, Smooth	-	< 3"	-	-	-	-
, Tumble	-	< 3"	-	mature	-	-
Poorjoe	-	prior to flower	-	-	-	actively growing
Purslane, Common		< 3"	3-8"		-	-
Ragweed, Common				>10"	-	
Western, Lanceleaf	1-3"	3-6"	6-10"	actively growing	-	-
Sedge <sup>1</sup>	-	-	-	-	-	-
Shepherdspurse	-	Rosette	-	-	-	-
Smartweed, Pennsylvania	-	< 4"	-	-	4-12"	-
Sneezeweed, Bitter	-	1-4"	prior to flower	flower	-	-
Sowthistle	-	Rosette	-	bolting	-	-
Sunflower	-	1-3"	3-6"	6-24"	-	-
Thistle, Russian	-	-	-	rosette	-	-
Velvetleaf	-	< 6"	6-20"	> 20"	-	-

<sup>1</sup> For use in non-food/feed crop only. Adding crop oil concentrate has shown to improve performance on actively growing annual sedge.

Table 2. Application Rate and Timing – Biennial and Perennial Weeds.

(The addition of liquid fertilizer (28-0-0,32-0-0) at ½ the GPA of the spray solution has proven to give increase suppression or control on certain species of weeds.)

Weeds Controlled	Rate Per Acre (according to weed growth stage)					
	1/3 pints	2/3 pints	1 pints	1 1/8 pints	1 2/3 pints	2 – 3 1/4 pints
Bindweed, Field	-	-	-	-	-	actively growing
Bittercress	-	2-3"	-	-	-	-
Buckeye species	-	-	-	-	full leaf	-
Bullnettle <sup>1</sup>	-	-	-	flower	-	-
Chircorey	-	-	-	-	early bolting	-
Clove, Bur	-	-	Pre-flower	-	-	-
Dandelion, Common	-	rosette	-	bolting	-	-
Dewberry, Southern	-	-	-	-	-	spring or fall
Dock, Curly	-	-	prior to bolting	-	after bolting	-
Elderberry <sup>1</sup>	-	-	-	-	-	actively growing
Goldenrod, Missouri	-	-	-	3-15"	flower	-
Groundsel, Texas	-	rosette	post-bolting	-	-	-

Weeds Controlled	Rate Per Acre (according to weed growth stage)					
	1/3 pints	2/3 pints	1 pints	1 1/8 pints	1 2/3 pints	2 – 3 1/4 pints
Honeysuckle, Hairy	-	-	-	-	spring or fall	-
Horsenettle, Carolina	-	-	-	-	-	flower or berry
Ivy, Poison	-	-	-	after bloom	-	-
Knapweed, Black <sup>1</sup>	-	-	-	-	-	actively growing
, Russian <sup>1</sup>	-	-	-	-	-	actively growing
, Spotted	-	-	-	-	-	actively growing
Marshelder	-	-	-	<12"	12"/prebloom	
Mesquite <sup>2</sup>	-	-	-	-	-	45-90 days after budbreak
Milkweed, Antelopehorn <sup>1</sup>	-	-	-	pre-flower	-	Flower
Nightshade, Silverleaf	-	-	-	full flower	-	-
, Black	-	-	-	full flower	-	actively growing
Persimmon, Eastern <sup>2</sup>	-	-	-	-	-	actively growing
Prickly, Lettuce	-	-	-	rosette	-	actively growing
Rabbitbrush <sup>1</sup>	-	-	-	-	-	-
Ragwort, Tansy	-	-	-	rosette	-	actively growing
Redvine <sup>1</sup>	-	-	-	-	-	actively growing
Sagebrush, Fringed <sup>1</sup>	-	-	-	-	-	actively growing
Smartweed	-	-	-	-	-	-
Sorrel, Red	-	-	Rosette	bolting	flower	actively growing
Sowthistle <sup>1</sup>	-	-	-	-	-	actively growing
Spurge, Leafy <sup>1</sup>	-	-	-	-	-	full leaf
Tallow Tree, Chinese <sup>3</sup>	-	-	-	-	-	-
Thistle, Bull	-	-	Rosette	bolting	-	actively growing
, Canada <sup>1</sup>	-	-	-	-	-	-
, Musk	-	-	-	rosette/bolting	-	-
, Plumeless	-	-	Rosette	bolting	-	-
Vetch, Hairy	-	1-4"	4-8"	8" full flower	-	-
Yankee weed	-	-	-	10-18"	-	Rosette
Yellow Starthistle	-	-	-	-	-	-

<sup>1</sup> Recommended rate will provide top growth suppression only.  
<sup>2</sup> For improved root kill or woody species such as mesquite and eastern persimmon spray 2 pints of per acre BW III each year for 3 consecutive years.  
<sup>3</sup> Under dense populations, a second application may be needed the following growing season.  
 For increased control of weeds such as blackberry and dewberry, BW III may be tank mixed with Ally® herbicide (0.1-0.2 ounces per acre), if labeled for the use site.

**Ground Application (Banding)**

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

When applying BW III herbicide by banding, determine the amount of herbicide and water volume needed using the following formula:

Bandwidth in inches    x    Broadcast rate    =    Banding herbicide  
 Row width in inches         per acre                    rate per acre

Bandwidth in inches    x    Broadcast rate    =    Banding water  
 Row width in inches         volume per acre    volume per acre

**Ground Application (Broadcast)**

Water volume: Use 10-25 gallons of spray solution per broadcast acre for optimal performance. Use the higher spray volume when treating dense or tall vegetation.

Application Equipment: Select nozzle design to produce minimal amounts of fine spray particles. Spray nozzles as close to the weeds as is practical for good weed coverage.

Spot or Small Area Application

BW III may be applied to individual clumps or small areas of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) of foliage and stems. For knapsack or other small capacity sprayers, prepare a solution of BW III in water according to Table 3 (assuming that the spot treatment rate equates to 40 gallons pre acre on the broadcast basis.) Adding a surfactant (0.5% by volume) can help improve control.

Do not make spot treatments in addition to broadcast or band treatments.

Application equipment: Select nozzles designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as is practical for good weed coverage.

Table 3. – Knapsack Sprayer Dilution Instructions

Sprayer Capacity (gallons of water)	Amount of BW III to add to the spray tank
1 gallon	2/3 fluid ounce*
3 gallons	2 fluid ounces
5 gallons	3 fluid ounces

\* 1 fluid ounce = 2 tablespoons

III. Additives

To improve burndown of emerged weeds, surfactants and/or low use rates of liquid fertilizers (28-0-0; 32-0-0), or crop oil concentrate may be used with BW III herbicide or BW III tank mixes applied after the weeds have emerged. Crop oil concentrate is for non-food/feed crop uses only. Do not apply tank mixes that include Ammonium Sulfate or Crop Oil Concentrate to any food/feed crop use listed on this label. For food/feed crop use, do not use liquid fertilizers that contain Ammonium Sulfate (AMS) as a source of nitrogen as tolerances in commodities derived from the crop may contain residues that exceed established tolerances.

Oil Concentrate

A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be non-phytotoxic
- provide good mixing quality in the jar test, and
- be successful in local experience

The exact composition of suitable products will vary; however, vegetable oil and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. For additional information, see Compatibility Test for Mix Components.

Adjuvants containing crop oil concentrates may be used for preplant, pre-emergence and between cropping applications. Do not use crop oil concentrate for postemergence applications to food/feed crops (i.e. sorghum, grass (hay or silage), pastures, rangeland, and wheat.)

Nitrogen Source

Sprayable liquid fertilizers: Use ½ GPA of sprayable liquid fertilizers (28-0-0; 32-0-0) per acre. Do not use brass or aluminum nozzles when spraying fertilizers.

Non-ionic Surfactant

The standard label recommendation is 2-4 pints of an 80% active non-ionic spray surfactant per 100 gallons of water. (Rate will vary with the size and condition of weeds to be controlled. Use lowest rate per 100 gallons when weeds are small and actively growing. As weeds increase in size and or become hardened off, the rate of non-ionic surfactant will have to be increased to give optimum coverage and control.)

Table 4. Additive Rate Per Acre.

Additive <sup>1</sup>	Rate Additive Per Acre
Non-ionic Surfactant	2-4 pints per 100 gallons <sup>2</sup>
Sprayable Liquid Fertilizers (28-0-0; 32-0-0)	½ GPA of spray solution
Crop Oil Concentrate	1 quart

<sup>1</sup> See manufacturer's label for specific rate recommendations.

<sup>2</sup> Use lowest rate per 100 gallons when weeds are small and actively growing. As weeds increase in size and or become hardened off, the rate of non-ionic surfactant will have to be increased to give optimum coverage and control.

IV. General Tank Mixing Information

Tank Mix Partners/Components

The following products may be tank mixed with BW III according to the specific tank mixing instructions in this label and respective product labels.

- Aim™ (carfentrazone-ethyl)
- Ally® (metsulfuron-methyl)
- Amber® (triasulfuron)
- Asulox® (asulam)
- Atrazine
- Banvel® (dicamba)\*
- Basagran® (bentazon)
- Bronate® (bromoxynil + MCPA)
- Buctril® (bromoxynil)
- Canvas® (thifensulfuron-methyl + tribenuron-methyl + metsulfuron-methyl)
- Clarity® (dicamba)\*
- Curtail™ (clopyralid + 2,4-D)
- Cyclone® (paraquat)
- Dakota® (fenoxaprop-p-ethyl + MCPA)
- Dicamba DMA (dicamba)\*
- Distinct® (diflufenzopyr + dicamba)\*
- Evik® (ametryn)
- Express® (tribenuron-methyl)
- Fallowmaster® (glyphosate + dicamba)\*
- Fallow Star™ (glyphosate + dicamba)\*
- Finesse® (chlorsulfuron + metsulfuron-methyl)
- Glean® (chlorsulfuron)
- Gly Star™ Plus (glyphosate)
- Gramoxone® Extra (paraquat)
- Grazon™ P+D (picloram + 2,4-D)\*
- Harmony® Extra (thifensulfuron-methyl + tribenuron-methyl)

- Karmex® (diuron)
- Kerb™ (pronamide)
- Laddok® S-12 (bentazon + atrazine)\*
- Landmaster® (glyphosate + 2,4-D)\*
- MCPA
- Paramount® (quinclorac)
- Peak® (prosulfuron)
- Permit® (halosulfuron-methyl)
- Rave™ (dicamba + triasulfuron)\*
- Roundup® Ultra (glyphosate)
- Sencor® (metribuzin)
- Sinbar® (terbacil)
- Stinger™ (clopyralid)
- Tiller® (fenoxaprop-p-ethyl + 2,4-D + MCPA)\*
- Tordon™ (picloram)
- Touchdown® (glyphosate)
- 2,4-D\*

\*When tank mixing with products that contain either 2,4-D or dicamba, do not exceed the annual per acre application rate for each active ingredient for that crop.

See "VI. Food/Feed Crop Specific Information" section for more information for more details. Read and follow the applicable Restrictions and Limitations and Directions for Use on all products involved in tank mixing. Physical incompatibility, reduced weed control, or crop injury may result from mixing BW III with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. Therefore always determine compatibility before tank mixing this product with any other pesticide.

Compatibility Test for Mix Components - Before mixing components, always perform a compatibility jar test.

For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes adjust accordingly. Only use water from the intended source at the source temperature.

Add components in the sequence indicated in the Mixing Order using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.

Always cap the jar and invert 10 cycles between component additions.

When the components have all been added to the jar, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is still incompatible, do not mix the ingredients in the same tank.

Mixing Order: If an inductor is used, rinse it thoroughly after each component has been added. Maintain constant agitation during application.

1. Water Begin by agitating a thoroughly clean sprayer tank half full of clean water.
2. Agitation. Maintain constant agitation throughout mixing and application.
3. Products in PVA bags. Place any product contained in water-soluble bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. Water-dispersible products (such as dry flowables, wettable powders, suspension concentrates, and suspo-emulsions)
5. Water-soluble products (such as BW III).
6. Emulsifiable concentrates (such as oil concentrate, when applicable).
7. Water-soluble additives (such as liquid fertilizers (28-0-0; 32-0-0), when applicable).\*
8. Remaining quantity of water.

\* If sprayable fluid fertilizer is used as the carrier.

Always perform the Compatibility Test before mixing into the spray tank. Also, when using a sprayable fluid fertilizer as the carrier, any product contained in PVA bags must first be completely dissolved in water before the contents can be added to the fertilizer mix.

V. Restrictions and Limitations

- Maximum seasonal use rate: Refer to Table 5.
- Do not make more than two applications per season regardless of individual application rates
- Preharvest Interval (PHI): Refer to "Food/Feed Crop Specific Information"
- Restricted entry Interval (REI): 48 Hours
- Crop Rotational Restrictions:

The interval between application and planting rotational crop is given below. Always exclude counting days when the ground is frozen. Planting at intervals less than specified below may result in crop injury. Moisture is essential for the degradation of this herbicide in soil.

Planting/replanting restrictions for BW III applications of 3 2/3 pints per acre or less: No rotational cropping restrictions apply at 120 days or more following application. Additionally, for annual crop uses in this label including sorghum, follow the preplant use directions under "VI. Food/Feed Crop Specific Information." For barley, oat, wheat, and other grass seedlings, the interval between application and planting is 10 days per 2/3 pint per acre.

Planting/replanting restrictions for applications of more than 3 2/3 pints and up to 4 3/4 pints of BW III per acre: Corn, sorghum, and all other crops grown in areas with 30" or more of annual rain fall may be planted 120 days or more after application. Barley, oat, wheat and other grass seedlings may be planted, if the interval from application to planting is 10 days per 2/3 pint per acre east of the Mississippi River and 15 days per 2/3 pint per acre west of the Mississippi River. For all other crops in areas with less than 30" of annual rainfall, the interval between application and planting is 180 days or more.

Do not plant cotton for at least 30 days after application and after allowing for a minimum accumulation of 1" rainfall or overhead irrigation. Do not apply west of the Rockies or to geographic areas with average annual rainfall less than 25".

- Arid (dry) conditions: it is extremely important that the addition of a suitable Nonionic Surfactant, Oil, or sprayable fertilizer be used when applying BW III. Higher rates of BW III may be needed to control susceptible weeds in this environment.
- Rainfast Period: Rainfall or irrigation occurring within 4 hours after postemergence applications may reduce effectiveness of BW III.
- Stress: Do not apply to crops under stress such as stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, or widely fluctuating temperatures, as unsatisfactory control may result.
- Do not apply to crops that show injury (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications, because this injury may be enhanced or prolonged.
- Do not apply this product through any type of irrigation equipment. Do not contaminate irrigation ditches or water used for domestic purposes.
- Do not apply more than 8 pints per application and no more than 2 applications per year.

Table 5. Crop Specific Restrictions and Limitations.

Crop	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season	Livestock Grazing or Feeding <sup>1</sup>	Aircraft Application
Between Crop Applications <sup>2</sup>	3 2/3 pints	4 3/4 pints	Yes	Yes
Pasture, Hay, Silage	2 1/2 pints	4 3/4 pints	Yes	Yes

Sorghum	2/3 pints	2/3 pints	Yes	Yes
Wheat	2 pints	4 pints	Yes	Yes
<sup>1</sup> Refer to "Food/Feed Crop Specific Information" for grazing and feeding restrictions. <sup>2</sup> Postharvest, Fallow, Crop Stubble and Set-Aside for broadleaf weed control. Refer to Restrictions & Limitations in Section V for possible crop rotational restrictions.				

VI. Food/Feed Crop Specific Information

PASTURES, RANGELAND AND GRASS (HAY, SILAGE)

BW III is recommended for use for pasture (including pasture grown for hay), rangeland, grass grown for hay or silage, between crop applications/fallow systems, Conservation Reserve Programs, and general farmstead (non-cropland only).

Refer to Tables 1 and 2 for rate selection based on targeted weed or brush species. Some weed species will require tank mixes for adequate control.

Rates above 2 1/2 pints of BW III per acre are for spot treatments only.

PASTURE & RANGELAND RESTRICTIONS:

Retreatments may be made as needed; however:

- Do not make more than 2 applications per year.
- Do not exceed a total of 6 1/2 pints of BW III per treated acre during a growing season.
- Minimum of 30 days between applications.
- If grass is to be cut for hay, Agricultural Use requirements for the Worker Protection Standard are applicable.

BW III contains 0.29 pounds a.i. of 2,4-D per pint. When tank mixing with products that contain 2,4-D, do not exceed a combined total of 4.0 pounds of a.i. per acre per year.

Uses described in this section also pertain to small grains (such as barley, corn, forage sorghum, oats, rye, sudangrass, or wheat) grown for pasture, hay, and silage only. Newly seeded areas including small grains grown for pasture or hay, may be injured if rates of BW III are greater than 1 1/4 pints per acre are applied in one application.

In newly established hybrid Bermudagrass, Pangolagrass, and stargrasses (*Cynodon* spp.) use 1 to 2 pints of BW III per acre to control or suppress weeds after planting vegetative propagules (stolens) of hybrid bermudagrasses. In addition to the weeds listed in Tables 1 and 2, this rate of BW III will control or suppress annual sedges, broadleaf signalgrass, crabgrass, and goosegrass. Best results will be obtained if BW III is applied at the germinating stage of weeds. Under favorable conditions, this is usually 7-10 days after planting these grasses. Reduced control can be expected if weeds are allowed to reach 1" in height before application or if germination of weeds occurs 10 days after application.

Use on bentgrass, susceptible grass pastures (such as carpetgrass, buffalograss, or St. Augustine grass), lezpedeza, wild winter peas, vetch, clover, and alfalfa pastures may result in some degree of plant injury.

When perennial weeds are reaching maturity, mowing and allowing some regrowth will enhance control.

For pasture renovations, wait 3 weeks per 1 1/4 pints of BW III used per acre before interseeding or injury may occur.

If grasses are grown for seed or for seed-down purposes, do not apply after grass reaches joint stage.

Grazing and Feeding Non-Lactating Animals: Do not graze non-lactating animals within 7 days of treatment. Do not permit meat animals being finished for slaughter to graze treated fields within 30 days of slaughter.

Grazing and Feeding Lactating Animals: Do not graze lactating dairy animals within 7 days of treatment.



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Dry hay and Silage: Treated grasses may be harvested for dry hay or silage but do not harvest within 37 days of treatment.

### Pasture and Rangeland Tank Mixes

BW III may be applied in tank mixes with one or more of the following herbicides:

Ally®	Banvel®	Dicamba DMA*	2,4-D*
Amber®	Clarity®	Rave™	

\*When tank mixing with products that contain either 2,4-D or dicamba, do not exceed the annual per acre application rate for each active ingredient for that crop.

## SORGHUM

### Rates and Timings

Apply 2/3 pint of BW III per acre to sorghum in the 3-5 leaf stage (4"-8" tall.) For best performance apply when weeds are small (less than 3" tall).

Applications of BW III to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling leaves. These effects are usually outgrown within 10-14 days. Sorghum growing under conditions of stress such as high moisture, low fertility, and abnormal temperature may be more sensitive to applications of BW III. Do not use surfactants or oils with postemergence applications of BW III on sorghum crops. Do not use BW III if the potential for sorghum injury is not acceptable.

If sorghum is grown for pasture, hay or silage, refer to "Pastures, Rangeland and Grass (Hay, Silage)" under "VI. Food/Feed Crop Specific Information" for livestock grazing and feeding restrictions.

### Sorghum Tank Mixes

BW III™ may be applied in tank mixes with one or more of the following herbicides:

Atrazine	Laddock® S-12	Peak®
Basagran®	Paramount®	Permit®
Buctril®		

### SORGHUM RESTRICTIONS:

- Do not graze or feed treated sorghum forage or silage prior to mature grain stage.
- Make no more than one postemergence application per growing season.
- Do not permit meat or dairy animals to consume treated crop as fodder or forage for 30 days following application.
- Do not apply BW III to sorghum grown for seed production.
- Pre-Harvest interval is 30 days.

BW III contains 0.29 pounds a.i. of 2,4-D per pint. When tank mixing with products that contain 2,4-D ester, do not exceed a combined total of 0.5 pounds a.i. per acre per year.

## WHEAT (Fall and Spring-seeded)

If small grains are grown for pasture or hay only, refer to Pastures, Rangeland and Grass (Hay, Silage). Do not graze or harvest for livestock feed prior to crop maturity.

Do not use BWI in wheat underseeded with legumes.

**EARLY SEASON APPLICATION:**

Apply up to 2 pints of BW III per acre to wheat unless using one of the wheat specific programs below. Early season applications to spring-seeded wheat must be made after tillering and before wheat reaches the 6-leaf stage.

Early season applications to fall-seeded wheat must be made after tillering and prior to the jointing stage.

Care should be taken in staging early developing wheat varieties such as TAM 107, Madison, or Wakefield to be certain that the application occurs prior to the jointing stage.

**Specific Use Programs For Fall-Seeded Wheat Only:**

Up to 3/4 pints of BW III per acre may be applied on fall-seeded wheat after the wheat begins to tiller for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. Periods of extended stress such as cold and wet weather may enhance the possibility of crop injury. For fall applications only, do not use if the potential for crop injury is not acceptable.

**Preharvest Applications:**

BW III can be used to control weeds that may interfere with harvest of wheat. Apply up to 1 1/4 pints of BW III per acre as a broadcast or spot treatment to annual broadleaf weeds when wheat is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing but before weeds canopy. A waiting interval of 14 days is required before harvest. Do not use preharvest-treated wheat for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better. For control of additional broadleaf weeds or grasses, BW III may be tank mixed with other herbicides such as Ally or Gly Star™ Plus that are registered for preharvest use in wheat.

**WHEAT RESTRICTIONS:**

- Postemergence:
  - Make no more than one application per crop cycle
  - Do not apply more than 2 pints per acre per application.
- Preharvest:
  - Make no more than one application per crop cycle.
  - Do not apply more than 1 1/4 pints per acre per application.
  - Pre-Harvest interval is 14 days.

BW III contains 0.29 pounds a.i. of 2,4-D per pint. When tank mixing with products that contain 2,4-D, do not:

- Exceed a combines total of 1.25 pounds a.i. per acre crop cycle of 2,4-D for post emergent use.
- Exceed 0.5 pounds of a.i. per acre per crop cycle of 2,4-D for pre-harvest application.
- Exceed a total of 1.75 pounds of a.i. per acre per crop cycle for all uses.

Preharvest use of BW III is not registered for use in California.

Table 6 - Wheat Tank Mixes

TANK MIX PARTNER	RATE PER ACRE
Aim™	0.3 ounce
Ally® <sup>1</sup>	0.05 - 0.1 ounce
Amber® <sup>1</sup>	0.14 - 0.28 ounce
Bronate®	0.75 - 1.5 pints
Buctril®	1 - 1.5 pints
Canvas® <sup>1</sup>	0.2 - 0.4 ounce

TANK MIX PARTNER	RATE PER ACRE
Curtail™	2 - 2.67 pints
Dakota® <sup>2</sup>	16 fluid ounces
Express® <sup>1</sup>	0.083 - 0.167 ounce
Finesse® <sup>1</sup>	0.167 - 0.33 ounce
Glean® <sup>1</sup>	0.167 ounce
Harmony® Extra <sup>1</sup>	0.167 - 0.33 ounce
Karmex® <sup>3</sup>	0.5 - 1.5 pounds
2, 4-D amine	4 - 20 fluid ounces <sup>4</sup>
Metribuzin <sup>3</sup> (Sencor®)	0.25 - 0.375 pounds a.i.
Peak® <sup>1</sup>	0.25 - 0.38 ounce
Stinger™	4 - 5.33 fluid ounces
Tiller® <sup>2</sup>	1 - 1.7 pints

<sup>1</sup> Do not use low rates of sulfonyleurea herbicide, such as Ally®, Amber®, Canvas®, Express®, Finesse®, Glean®, Harmony® Extra, and Peak® on more mature weeds or on dense vegetative growth.

<sup>2</sup> Do not use as a tank mix treatment with Dakota or Tiller on Durum wheat. Do not tank mix with Tiller if wild oat is the larger weed.

<sup>3</sup> Tank mixes with Karmex and metribuzin are for use in fall-seeded wheat only.

<sup>4</sup> BW III contains 0.30 pounds acid equivalent of 2,4-D per pint. When tank mixing with 2,4-D do not exceed a combined total of 0.5 pound acid equivalent per acre of 2,4-D.

Between Crop Applications/Fallow Systems, Conservation Reserve Programs, and General Farmstead

These uses are considered Food/Feed Crops when harvested, grazed or foraged. Consult section on "General Tank Mixing Information" for adjuvant restrictions and section on "Additives" for specific use directions.

Feeding and Grazing Restrictions for Wheat: Do not graze or feed animals within 7 days of treatment.

VII. Non-Food/Feed Use (Land not Harvested, Grazed or Foraged)-Specific Information.

BETWEEN CROP APPLICATIONS

Preplant Directions (Postharvest, Fallow, Crop Stubble, Set-Aside) For Broadleaf Weed Control

Note:

- Plant only labeled crops within 29 days following application.
- Limited to 2 applications per year.
- Minimum of 30 days between applications.
- Do not exceed 2.0 lbs ai of 2,4-D per acre per application when tank mixing with products containing 2,4-D

BW III can be applied postharvest in the fall, spring, or summer during the fallow period or to crop stubble/set-aside acres. Apply to weeds after crop harvest (postharvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer.

See "V. Restrictions and Limitations" for the recommended interval between application and planting to prevent crop injury.

Rates and Timings:

Apply 1 – 3 2/3 pints of BW III per acre. Refer to Table 1 to determine use rates for specific targeted weed species. Retreatments may be made as needed; however, do not exceed a total of 4 3/4 pints of BW III per treated acre during a growing season. For best performance, apply BW III when annual weeds are less than

6" tall, when biennial weeds are in the rosette stage and to perennial weed regrowth in late summer or fall following a mowing or tillage treatment. The most effective control of upright perennial broadleaf weeds such as Canada thistle and Jerusalem artichoke occurs if BW III is applied when the majority of weeds have at least 4-6" of regrowth or for weeds such as field bindweed and hedge bindweed that are in or beyond the full bloom stage. The addition of liquid fertilizers (28-0-0, 32-0-0) at ½ GPA has shown to increase efficacy.

Avoid disturbing treated areas following application. Treatments may not kill weeds that develop from seed or underground plant parts such as rhizomes or bulblets, after the effective period for BW III. For seedling control, a follow-up program or other cultural practices could be instituted.

#### Between Crop Tank Mixes:

In tank mixes with one or more of the following herbicides, apply 1.0 - 1.25 pints of BW III per acre for control of annual weeds, or 1.25 - 4.25 pints of BW III per acre for control of biennial and perennial weeds

- Aim™
- Ally®
- Amber®
- Atrazine
- Curtail™\*
- Cyclone®
- Distinct®\*
- Fallowmaster®\*
- Fallow Star™\*
- Finesse®
- Glyphosate (Gly Star™ Plus)
- Gramoxone® Extra
- Kerb™
- Landmaster® BW\*
- Paramount®
- Sencor®
- Tordon™ 22K
- Touchdown®
- 2,4-D\*

\*When tank mixing with products that contain 2,4-D or dicamba, do not exceed the annual per acre application rate for each active ingredient for that crop.

### APPLICATIONS TO FALLOW GROUND PRIOR TO PLANTING COTTON

#### Rates and Timings

Apply BW III as a broadcast or spot treatment to emerged and actively growing weeds at the rate of 1 to 3 2/3 pints per acre. The most effective control of weeds occurs if application is made when weeds are in the 2-4 leaf stage and rosettes are less than 2" across

#### Cropping Restrictions

Do not plant cotton for at least 30 days after application and after allowing for a minimum accumulation of 1" rainfall or overhead irrigation. Do not apply west of the Rockies or to geographic areas with average annual rainfall less than 25".

#### Tank Mix Treatments

For control of grasses or additional broadleaf weeds, OUTLAW may be tank mixed with CAPROL (R), GRAMAXONE(R) Extra, and glyphosate herbicides

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## FOREST MANAGEMENT

Do not apply under drip line of desirable trees or adjacent to desirable vegetation.

Maximum: 1 application per year.

### Forest Site Preparation

**Budbreak Spray:** For control of alder, susceptible broadleaf weeds, and susceptible woody plants before planting forest seedlings, apply up to 2 quarts per acre in a minimum of 10 gallons spray mixture per acre. Apply as an oil spray (see "Mixing Instructions") after alder buds break, but before foliage is 1/4 full size. A water spray including 2 to 4 quarts per acre of diesel oil, fuel oil, stove oil, or crop oil concentrate may also be used.

**Foliage Spray:** To control alder and susceptible woody plants before planting forest seedlings, apply up to 4 pints per acre in a minimum of 10 gallons spray mixture per acre. If desired, apply as a water spray including up to 1 quart of diesel oil, fuel oil, stove oil, or crop oil concentrate per gallon of water (see "Mixing Instructions"). For best results, apply after alder foliage has reached full size.

**Conifer Release:** Some Conifers are more susceptible to BW III than others. To control alder, susceptible broadleaf weeds, and susceptible woody plants in young conifer stands, apply up to 2 pints per acre in a minimum of 10 gallons spray mixture per acre. This spring foliage treatment should be applied as a water spray when 3/4 of the brush foliage has full size leaves and before new conifer growth reaches 2 inches in length. Such stages usually occur between early May and mid-June, but application timing should be based on growth stages of brush and conifers. Application may cause leader deformation and other conifer injury, but trees should overcome it during the next growing season.

To control tanoak, madrone, ceanothus, canyon live oak, and manzanita, and to release Douglas fir, hemlock, Sitka spruce or grand fir, apply up to 3 pints per acre in a minimum of 10 gallons spray mixture per acre. This spring foliage treatment should be applied as a water spray including, if desired, up to 1 quart of diesel oil, fuel oil, stove oil, or crop oil concentrate per gallon of water (see "Mixing Instructions"). Make application before new growth on Douglas fir is 2 inches long. To release ponderosa pine from the same species, treat before new pine growth begins in the spring. Addition of oil or oil concentrate may cause unacceptable injury to pines. For dormant applications in late winter or early spring for control of susceptible woody species such as alder, willow, poplars, cherry, vine maple, ceanothus, tanoak, madrone, and manzanita, apply up to 3 pints per acre in a minimum of 10 gallons spray mixture (with diesel oil, etc.) per acre. This dormant treatment should be applied in diesel oil, fuel oil, stove oil, or other suitable diluent such as water plus crop oil concentrate (see "Mixing Instructions"). Do not use in plantations where pine and larch are among the desired crop species.

To control hazel dodder (*cuscuta coryli*) in the Lake states, apply up to 2 pints per acre in a minimum of 10 gallons spray mixture per acre. Apply as a water spray when new shoot growth of hazel is complete (usually mid-July).

After conifer species such as white pine, ponderosa pine, jack pine, red pine, black spruce, white spruce, red spruce, and balsam fir cease growth and harden off and brush is still actively growing in late summer, apply up to 3 pints per acre in a minimum of 10 gallons water spray mixture per acre. Apply as a water spray to control certain competing hardwoods such as alder, aspen, birch, hazel and willow. However, if possible injury cannot be tolerated, do not use since this treatment may cause conifer injury.

**Forest Roadsides:** To control susceptible broadleaf weeds and woody plants on forest roadsides, apply 1 to 3 pints per acre in a minimum of 10 gallons water spray mixture per acre. Apply as a water spray and, if necessary to ensure penetration of foliage, include up to 3 quarts per acre of diesel oil, fuel oil, stove oil, or crop oil concentrate (see "Mixing Instructions").

ROADSIDES; MEDIANS; HIGHWAY, RAILROAD, UTILITY AND PIPELINE RIGHTS-OF-WAY; VACANT LOTS; AROUND UTILITY INSTALLATIONS, TRANSFORMERS, PUMP HOUSES, AND BUILDINGS; STORAGE AREAS; FENCES; GUARDRAILS; LUMBER YARDS; INDUSTRIAL SITES; AIRPORTS; TANK FARMS; FARMSTEADS; AND SIMILAR NONCROP AREAS

Do not apply under drip line of desirable trees or adjacent to desirable vegetation.

For control of many broadleaf weeds and small woody plants, apply 2/3 to 2 pints per acre diluted in 10 gallons of water. Use the high rate for woody plants. Applications may be as broadcast sprays, small area sprays or spot treatments. For small areas or spot spraying, use 2 fluid ounces per gallon of water and spray weeds to runoff. Regardless of the method of application, use adequate spray volume for full coverage of weeds. Preferred application timing is in the early spring when sufficient weeds have emerged, and when weeds are small and actively growing, but before weeds exceed size limits described in weed tables. Summer applications to older, drought-stressed weeds are less effective. However, weeds are more susceptible again in the fall when cooler, wetter conditions support active growth before a killing frost. For fall treatment of mature weeds or perennial weed regrowth, use up to 1.0 pints per acre diluted in 10 gallons of water. Several seasons of spring plus fall treatments may be necessary to control certain perennials. Use of oil sprays or the addition of spray adjuvants improves weed control, but also increases the risk of damage to desirable ground covers.

Plant Response: Bent grass, other warm season or southern grasses, alfalfa, clover, or other legumes may be killed or injured. Do not apply when grass is in boot to milk stage, or after heading begins, if grass production is desired. Do not apply to newly seeded areas until grass is well established. Reseeding is not recommended for at least 30 days following application.

#### Conservation Reserve Programs and General Farmstead

BW III is recommended for use for Conservation Reserve Programs, general farmstead (non-cropland only), weed and brush control, or use in State Recognized Noxious Weed areas (non-cropland areas).

Refer to Tables 1 and 2 for rate selection based on targeted weed or brush species. Some weed species will require tank mixes for adequate control.

Rates above 2 1/2 pints of BW III per acre are for spot treatments only.

Retreatments may be made as needed; however, do not exceed a total of 4 3/4 pints of BW III per treated acre during a growing season.

NOTE: Do not make more than 2 applications per year. Minimum of 30 days between applications.

#### Farmstead and Fence-row Treatment Application Instructions

BW III may be applied using water or oil and water emulsions in spot application to control undesirable vegetation using handgun or similar types of application equipment. In addition to weed species listed in Tables 1 and 2, these treatments may be used to control or suppress woody plant species listed in Table 7.

To prepare soil and water emulsions, mix in the order and proportions indicated below.

The solution should remain milky colored without an oily layer on top when under agitation. If an oily layer forms, increase the amount of emulsifier or change to a more effective emulsifier.

Do not exceed 40 gallons of spray solution per treated acre per application. One gallon of BW III in forty gallons of spray solution contains 1.0 pounds acid equivalent of dicamba and 2.3 pounds acid equivalent of 2,4-D. Spray plants to wet. Do not allow this spray mix to contact desirable vegetation.

To control brush, briars, and weeds along fence-rows surrounding pasture and ranch lands, and fallow fields, use a tank mix of 1.5% BW III, 88.5% water, 10% diesel oil, and sufficient emulsifier (to mix the diesel and emulsifier). The diesel oil in this tank mix will damage or kill desirable grasses and should not be used in pastures or where damage to desirable species cannot be tolerated.

- 9. Water: Begin by agitating a thoroughly clean sprayer tank with the desired quantity of clean water. Maintain constant agitation during complete mixing procedure.
- 10. Emulsifier: Add 0.5% volume to volume of water.
- 11. BW III: add 1.5 gallons per 100 gallons of total intended solution.
- 12. Diesel Oil: Add 10 gallons per 100 gallons of total intended solution.

Maintain constant agitation during application. Under good agitation, the spray solution should be milky white with no oil layer on top. If oil layer forms, increase the amount of emulsifier or change to a more effective emulsifier.

**FOR SPRAYING FOLIAR APPLICATIONS:**

- 1. Spray when leaves have reached full size but have not hardened due to drought or maturity.
- 2. Spray individual plants to wet with handgun.
- 3. For larger stems (up to 3" in diameter) and hard to control species, direct spray stream to base of stems to wet the stem at soil surface in addition to wetting the foliage.
- 4. Do not apply under drip line of desirable trees or adjacent to desirable vegetation.

**FOR DORMANT BASAL APPLICATIONS:**

- 1. Increase diesel oil content to 15% or 15 gallons of diesel oil per 100 gallons of total solution.
- 2. Spray in late winter and early spring before plants break dormancy.
- 3. Spray the bottom 24" of the target stem to wet on all sides.
- 4. For larger stems (up to 3" in diameter) and hard to kill species direct the spray solution to the base of target stems to wet the soil at the stem/soil junction in addition to wetting the stem.
- 5. Do not apply under drip line of desirable trees or adjacent to desirable vegetation.

**FOR CUT SURFACE TREATMENTS:**

Apply BW III in an undiluted state as a cut surface treatment to control unwanted trees and prevent sprouts of cut trees.

- Frill or Girdle Treatments: Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint the cut surface with BW III.
- Stump Treatments: Spray or paint freshly cut surface with BW III. The cambium layer (the area adjacent to the bark) should be thoroughly wet. Treat stumps within 6 hours after cutting.
- Basal spray, Cut Surface (stumps and frill): Limit of one basal spray or cut surface application per year. Maximum of 8.0 lbs a.i. per 100 gallons of spray solution.

Table 7. The following list of trees and vines can be controlled on farmsteads and fencerows as foliar, basal, or cut surface treatments:

Alder	Cedar	Elm
Ash	Cherry	Grape
Aspen	Chinquapin	Greenbriar
Basswood	Cottonwood	Hawthorn (Thornapple)
Beech	Creosotebush	Hemlock
Blackberry	Dewberry	Hickory
Blackgum	Dogwood	Honeylocust

Honeysuckle  
 Hornbeam  
 Huckleberry  
 Huisache  
 Ivy, Poison  
 Kudzu  
 Locust, Black  
 Maple  
 Mesquite  
 Oak  
 Oak, Poison

Olive, Russian  
 Persimmon, Eastern  
 Pine  
 Plum, Sand (Wild Plum)  
 Poplar  
 Rabbitbrush  
 Redcedar, Eastern  
 Rose, McCartney  
 Rose, Multiflora  
 Sagebrush, Fringe  
 Sassafras

Spruce  
 Sumac  
 Sweetgum  
 Sycamore  
 Tarbrush  
 Willow  
 Witchhazel  
 Yaupon  
 Yucca

Weeds listed in this label:

Common Name	Scientific Name
ANNUALS	
Beebalm, Spotted	<i>Monarda punctata</i>
Broomweed, Common	<i>Gutierrezia dracunculoides</i>
Buckwheat, Wild	<i>Polygonum convulvulus</i>
Buffalobur	<i>Solanum rostratum</i>
Burdock	<i>Arctium spp.</i>
Buttercup; Corn	<i>Ranunculus arvensis</i>
Chickweed, Common	<i>Stellaria media</i>
Cockle, Corn	<i>Agrostemma githago</i>
Cocklebur, Common	<i>Xanthium strumarium</i>
Coreopsis, Plains	<i>Coreopsis tinctoria</i>
Croton, Woolly	<i>Croton capitatus</i>
Devilsclaw,	<i>proboscidea luisianica</i>
Dogfennel (Cypressweed)	<i>Eupatorium capillifolium</i>
Eveningprimrose, Cutleaf	<i>Oenothera lacinata</i>
Flax	<i>Linum catharticum</i>
Fleabane, Annual	<i>Erigeron annuus</i>
Flixweed	<i>Descurainia sophia</i>
Henbit	<i>Lamium amplexicaule</i>
Knotweed, Prostrate	<i>Polygonum aviculare</i>
Kochia	<i>Kochia scoparia</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Lettuce, Prickly	<i>Lactuca serriola</i>
Mallow, Common	<i>Malva neglecta</i>
Mornigglory, Ivyleaf	<i>Ipomea hederacea</i>
Tall	<i>Ipomea purpurea</i>
Mustard, Annual	<i>Brassica spp.</i>
Tansy	<i>Descurainia pinnata</i>
Pennycress, Field	<i>Thlaspi arvense</i>
Pepperweed, Virginia	<i>Lepidium virginicum</i>
Pigweed, Prostrate,	<i>Amaranthus blitoides</i>
Redroot,	<i>Amaranthus retroflexus</i>
Smooth,	<i>Amaranthus hybridus</i>
Tumble	<i>Amaranthus albus</i>
Poorjoe	<i>Diodia teres</i>
Purslane, Common	<i>Portulaca oleracea</i>
Ragweed, Common,	<i>Ambrosia artemisiifolia</i>
Lance-leaf,	<i>Ambrosia bidentata</i>
Western	<i>Ambrosia psilostachya</i>
Sedge	<i>Cyperus compressus</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Sneezeweed, Bitter	<i>Helenium amurum</i>
Sunflower, Common (wild)	<i>Helianthus annuus</i>
Thistle, Russian	<i>Salsola iberica</i>



Common Name	Scientific Name
<b>BIENNALS AND PERENNIALS</b>	
Bindweed, field	<i>Convolvulus arvensis</i>
Bittercress	<i>Cardamine spp.</i>
Buckeye	<i>Aesculus spp.</i>
Bullnettle	<i>Cnidoscopus stimulosus</i>
Chicory	<i>Cichorium intybus</i>
Clover, Hop	<i>Trifolium aureum</i>
Dandelion	<i>Taraxacum officinale</i>
Dock, Curly	<i>Rumex crispus</i>
Elderberry	<i>Sambucus canadensis</i>
Goldenrod, Missouri	<i>Solidago missouriensis</i>
Goldenweed, Common	<i>Isocp, a cprpmopifolia</i>
Groundset	<i>Senecio vulgaris</i>
Honeysuckle, Hairy	<i>Lonicera</i>
Horsenettle	<i>Solanum carolinense</i>
Ivy, Poison	<i>Rhus radicans</i>
Knapweed, Black	<i>Centaurea nigra</i>
Russian	<i>Centaurea repens</i>
Spotted	<i>Centaurea maculosus</i>
Marshelder	<i>Ina annua</i>
Mesquite	<i>Prosopis juliflora</i>
Milkweed, Antelopehorn	<i>Asclepius</i>
Nightshade, Silverleaf	<i>Solanum elaeagnifolium</i>
Black	<i>Solanum nigrum</i>
Persimmon, Eastern	<i>Diospyros virginiana</i>
Rabbitbrush	<i>Chrysanthemus pulchellus</i>
Ragwort, Tansy	<i>Senecio jacobia</i>
Redvine	<i>Brunnichia ovata</i>
Sagebrush, Fringed	<i>Artemisia frigida</i>
Smartweed, Swamp	<i>Polygonum coccineum</i>
Sorrel, Red (Sheep Sorrel)	<i>Rumex acetosella</i>
Sowthistle, Perennial	<i>Sonchus arvensis</i>
Spurge, Leafy	<i>Euphorbia esula</i>
Starthistle, Yellow	<i>Centaurea solstitialis</i>
Tallow Tree, Chinese	<i>Sapium sebiferum</i>
Thistle, Bull	<i>Cirsium vulgare</i>
Canada	<i>Cirsium arvense</i>
Musk	<i>Carduus nutans</i>
Plumeless	<i>Carduus acanthoides</i>
Vetch	<i>Vicia spp.</i>
Yankeeeweed	<i>Eupatorium compositifolium</i>

**Food/Feed Crop Uses**

This product can be used on the following:

- Conservation Reserve Program Land
- Fallow Systems (Between Crop Application)
- General Farmstead
- Grain Sorghum
- Grass (Hay or Silage)
- Industrial Sites
- Pastures
- Rangeland

- Rights-of-way
- Roadsides
- Non-crop Areas
- Wheat

Look inside for complete Restrictions and Limitations and Application Instructions

These crops are considered Food/Feed crops only when harvested, grazed, or foraged. Otherwise, they are considered non-Food/Feed uses.

CONDITIONS OF SALE AND WARRANTY

The DIRECTIONS FOR USE of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions or presence of other materials. All such risks shall be assumed by the Buyer.

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