



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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

JUL 21 1997

Mr. Russell F. Sawyer  
Riverdale Chemical Company  
425 West 194th Street  
Glenwood, Illinois 60425-1584

Dear Mr. Sawyer:

Subject: Label Revision Amendment-Revised Format, Reduced Application Rate and Water Quantity, and Added Use Sites Riverdale Veteran 2010 Herbicide EPA Registration Number 228-296 Your amendment application submission dated June 12, 1997

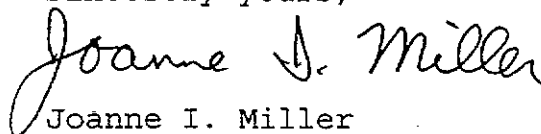
The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Immediately following the Spanish Statement, please include "(If you do not understand the label, find someone to explain it to you in detail)".
  - b. Under the Statement of Practical Treatment, you should revise the oral first aid statement "Do not induce vomiting." to read as "Do not induce vomiting, or give anything by mouth to an unconscious person."
  - c. Under the header NONCROPLAND USE, delete "or maintenance".
  - d. Under Tank Mix Treatments, in the third sentence, delete the word "nonselective".
2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy is enclosed for your records.

If you have any questions about this letter, please contact  
Marcel Howard at 703-305-6784.

Sincerely yours,

A handwritten signature in cursive script that reads "Joanne I. Miller". The signature is written in dark ink and is positioned above the typed name.

Joanne I. Miller  
Product Manger (23)  
Herbicide Branch  
Registration Division (7505C)

RIVERDALE

VETERAN® 2010 HERBICIDE

Water soluble industrial herbicide for control of brush and broadleaf weeds on Rights-of-Way, Railroads, Pipelines, Forest Brush, Fence Rows, Non-Irrigation Ditchbanks, Wasteland, General Farmstead, and similar noncropland areas. Also for Pastures and Rangelands.

ACTIVE INGREDIENTS:

Dimethylamine salt of 2-Methyl-4-Chlorophenoxyacetic Acid	32.6%
Dimethylamine salt of Dicamba (3,6-Dichloro-o-Anisic Acid)	16.0%
Dimethylamine salt of Related Acids	4.0%
INERT INGREDIENTS:	47.4%
TOTAL	100.0%

Contains: 1.25 Pounds Per Gallon Dicamba  
2.50 Pounds Per Gallon MCPA

For Commercial Use Only

KEEP OUT OF THE 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 to you in detail.) \*Add  
SEE SIDE AND BACK PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND STATEMENT OF PRACTICAL TREATMENT

NET CONTENTS: GALS.

EPA Reg. No. 228-296

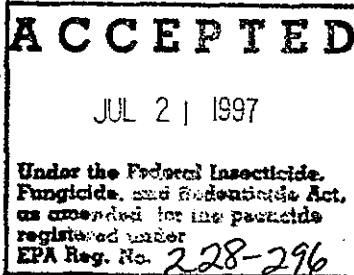
EPA Est. No. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

NOTE: Spanish language is optional.



Revised 6/12/97 Major revisions were to change to RCC's format & reduce Dicamba's lbs/A to meet Sandoz's stewardship program. Added Pastures and Rangelands and an Escort tank mix. Also reduced H<sub>2</sub>O qty for herbaceous weed control.

4/8

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

Corrosive, causes eye damage. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear goggles or face shield when handling. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**STATEMENT OF PRACTICAL TREATMENT**

- IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
- IF SWALLOWED:** Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.
- NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Chlorophenoxy compounds are irritating to eyes, skin and mucous membranes.

*Make any thing by mouth to a person*

*O.K. Delete User Safety Recommendation*

**ENVIRONMENTAL HAZARDS**

- Drift or run-off may adversely affect nontarget plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources.
- Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCPA pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and 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.
- Do not graze treated areas or harvest for dairy feed prior to crop maturity.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Not for use on (1) turf being grown for sale or other commercial use as sod; (2) trees being grown for sale or other commercial use, or for the production of timber or wood products; (3) turf, trees, crops, timber or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

**SENSITIVE CROP PRECAUTIONS**

**IMPORTANT:** Do not apply Veteran® 2010 herbicide directly to or allow spray drift to come in contact with vegetables, flowers, grapes, tomatoes, potatoes, sugar beets, beans, or other desirable plants. Coarse sprays are less likely to drift. Thoroughly clean spray equipment with a suitable chemical cleaner before using for other purposes. Do not apply, except as recommended, or clean equipment on or near desirable trees or other plants, or on areas where roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.

SHAKE WELL BEFORE USING.

**NONCROPLAND USE:** (Roadsides, fence rows, brush control for forest site preparation or maintenance, and similar areas.) For top growth control of field bindweed, Canada thistle,

*Delete Nov. 8, 94 letter 100-844*

perennial sowthistle, Russian knapweed and leafy spurge, apply 3.2 to 6.4 pints of Veteran 2010 herbicide (1/2 to 1 pound of dicamba and 1 to 2 pounds of MCPA) per acre. For spot treatment, apply 1 teaspoonful of Veteran 2010 Herbicide per 1 to 2 square rods. Apply as a foliar spray to actively growing plants.

**BRUSH AND BROADLEAF WEED CONTROL**

**SPECIES CONTROLLED**

When used as directed, Veteran 2010 Herbicide will control or suppress many herbaceous broadleaf weeds (annual, biennial, and perennial) as well as suppress many unwanted woody plant and vine species. Species controlled include:

**ANNUALS**

- |                |              |                 |
|----------------|--------------|-----------------|
| Buckwheat      | Henbit       | Puncturevine    |
| Carpetweed     | Knawel       | Purslane        |
| Chickweed      | Kochia       | Ragweed         |
| Clover         | Lambsquarter | Russian Thistle |
| Cocklebur      | Morningglory | Smartweed       |
| Daisy, English | Mustard      | Velvetleaf      |
|                | Pigweed      |                 |

**BIENNIALS**

- |                |               |
|----------------|---------------|
| Ragwort, Tansy | Thistle, Musk |
|----------------|---------------|

**PERENNIALS**

- |                     |                    |                     |
|---------------------|--------------------|---------------------|
| Bindweed, Field     | Dogfennel          | Sorrel, Sheep       |
| Carrot, Wild        | Knapweed, Russian  | Spurge, Leafy       |
| (Queen Anne's Lace) | Milkweed           | Thistle, Canada     |
| Dock, Curly         | Ragweed, Perennial | Toadflax, Dalmatian |

**WOODY BRUSH AND VINES\***

- |                   |                   |                    |
|-------------------|-------------------|--------------------|
| Alder             | Hemlock           | Sagebrush          |
| Ash               | Honeysuckle       | Sassafras          |
| Aspen             | Ivy, Poison       | Schinus            |
| Basswood          | Kudzu             | (Florida Holly,    |
| Beech             | Locust            | Brazil Peppertree, |
| Birch             | Maple             | Christmas-berry)   |
| Blackberry        | Oak               | Serviceberry       |
| Cherry            | Olive, Russian    | Snowberry          |
| Creeper, Virginia | Persimmon         | Spruce             |
| Creosotebush      | Pine              | Sumac              |
| Cucumbertree      | Plum, Wild        | Sycamore           |
| Dogwood           | Poplar            | Trumpet creeper    |
| Elderberry        | Puncturevine      | Waxmyrtle          |
| Elm               | Raspberry         | Willow             |
| Gum               | Redcedar, Eastern | Witchhazel         |
| Hawthorn          | Redvine           | Yaupon             |
|                   | Rose, Multiflora  |                    |

\*Suppression

**APPLICATION DIRECTIONS**

Regardless of the species to be controlled, spray volumes should be high enough to allow for good spray coverage. Make applications when weeds and brush are actively growing. The addition of surfactants<sup>1</sup> can increase control. A drift control agent<sup>2</sup> may also be used. Biennials are best controlled when treated in the rosette stage. Regrowth may occur on resistant species. Retreatments may be made as needed; however, do not exceed a total of 1.6 gallons (2 lbs. a.i. dicamba + 4 lbs. a.i. MCPA) of Veteran 2010 Herbicide per treated acre during a growing season. For control of woody species, a tank mix may be necessary. Tank mix recommendations are for use only in states where the tank mix product and application site are registered. Read and follow all label directions.

**HERBACEOUS BROADLEAF WEED CONTROL**

Apply 3/4 to 3-1/4 quarts Veteran 2010 Herbicide in 5 to 100 gallons of water per treated acre. 3/4 to 2 quarts of Veteran 2010 Herbicide is recommended for annuals, 2 to 3-1/4 quarts for biennials and easy-to-kill perennials, and 3-1/4 quarts for established perennials. Do not apply more than 1.6 gallons of product per treated acre.

**WOODY BRUSH AND VINE CONTROL**

**High Volume Foliar Spot Applications:** Mix 1 to 1.6 gallons of Veteran 2010 Herbicide in enough water to make 100 gallons of spray mix. Spray volume applied will depend on the size and density of the brush to be treated, but do not apply more than 1.6 gallons of product per treated acre. Direct the spray to treat all foliage, stems, and root collars to wet.

**WOODY BRUSH AND VINE CONTROL/SUPPRESSION**

**Broadcast Applications with Ground Equipment:** Apply 1 to 1.6 gallons Veteran 2010 Herbicide in 20 to 100 gallons of water per treated acre. Spray volume applied will depend on the size and density of the brush to be treated, but do not apply more than 1.6 gallons of product per treated acre. Spray all foliage, stems, and root collars to wet. For optimum control of woody species, a tank mix may be necessary.

**AERIAL APPLICATIONS**

Aerial applications may be made to control either herbaceous or woody plants. Apply 1 to 3-1/4 quarts Veteran 2010 Herbicide (for herbaceous weeds) or 1 to 1.6 gallons Veteran 2010 Herbicide (for woody brush and vines) in 5 to 40 gallons of water per treated acre. Coverage is important, so increase spray volume when treating dense stands of brush or weeds. Do not apply more than 1.6 gallons of product per treated acre. For optimum control of woody species, a tank mix may be necessary.

**TANK MIX TREATMENTS**

TANK MIX RECOMMENDATIONS ARE FOR USE ONLY IN STATES WHERE THE TANK MIX PRODUCT AND APPLICATION SITE ARE REGISTERED. READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, AND OTHER RESTRICTIONS. For broader spectrum control, Veteran 2010 Herbicide may be tank mixed with other herbicides registered for noncropland uses (e.g. railroad, highway, pipeline, nonselective forest brush control, etc.), including but not limited to the following herbicides. Add water to the spray tank prior to the addition of the tank mix products. Do not premix concentrates.

Herbicide	Rate (lbs. a.i./treated acre)
Asulam (Asulox®)	2.92 to 6.68
Bromacil (Hyvar®)	1.6 to 24.0
Chlorsulfuron (Telar®)	0.1875 to 2.25 oz.**
Dicamba (Banvel®)	0.25 to 1.77***
Diuron (Karmex®)	4.0 to 48.0
Fosamine ammonium (Krenite®)	6.0 to 12.0
Glyphosate (Roundup®)	0.75 to 3.75
Hexazinone (Velpar®)	0.675 to 10.8
†Imazapyr (Arsenal®)	0.5 to 1.5
Metasulfuron Methyl (Escort®)†	0.3 to 0.9***
MSMA	1.0 to 2.475
Picloram* (Tordon®)	2.0 to 3.0
Simazine* (Princep®)	4.8 to 40.0
Sulfometuron methyl (Oust®)	0.75 to 9.0 oz.**
Tebuthiuron (Spike®)	1.0 to 16.0
Triclopyr (Garlon®)	0.75 to 12.0
2,4-D	0.475 to 16.92****
2,4-DE	0.5 to 11.1

Due to variations that may occur in formulated products and specific use ingredients (e.g. water supplies) a COMPATIBILITY TEST as described on this label is recommended prior to actual tank mixing.

\* Restricted use pesticides limited to certified applicators  
 \*\* Telar = 0.1875 to 2.25 oz. a.i./A (0.25 to 3.0 oz. product/A)

Oust = 0.75 to 9.0 oz. a.i./A (1.0 to 12.0 oz. product/A)

- \*\*\* Do not exceed a total of 2 lbs. a.i. dicamba per treated acre per growing season. (Veteran 2010 Herbicide contains 1.25 lb. a.i. dicamba per gallon).
- \*\*\*\* Use of extremely hard water (500 ppm) may cause this product to form a precipitate when used in a tank mix with Veteran 2010 Herbicide. Do not exceed 16 lbs. total MCPA acid equivalent per treated acre per growing season. (Veteran 2010 Herbicide contains the equivalent of 2.5 lbs./gal. MCPA acid).

† Not registered for use in California

\* Using Riverdale Veteran 2010 Herbicide and Escort to reduce the development and spread of resistant biotypes and problem weeds such as Kochia and Russian thistle: Some commonly resistant weeds typically require multiple spray applications to obtain adequate control. To reduce the number of applications required, applicators can utilize a mixture of Escort and Veteran 2010 Herbicide. Apply as a tank mix for post-emergence as follows: Add 5 ounces of Escort to 1 quart of Veteran 2010 per acre. A non-ionic or silicone surfactant may be used for wetting penetration or drift control.

NOTE: All intended tank mix combinations should be used only in recommended areas on the same broadleaf weed species found on both labels. For application methods and other use specifications, use the most restricted limitations from labeling of both products.

**COMPATIBILITY TEST**

Before mixing in the spray tank, it is advisable to test compatibility by mixing all components in a small container in proportionate quantities (see following table).

Amount of Herbicide to Add to  
One Pint of Spray Carrier  
(Assuming Volume is 25 Gallons per Acre)

<u>HERBICIDE FORMULATIONS</u>	<u>RATE PER ACRE</u>	<u>LEVEL TEASPOONS</u>
Dry	1 pound	1-1/2
Liquid	1 pint	2

If herbicide(s) do not ball-up or form flakes, sludge, gels, oily films or layers, or other precipitates, then the tested components are compatible. Usually incompatibility in any of the above described forms will occur within 5 minutes after mixing.

If components are incompatible, the use of a compatibility agent is recommended. Rerun the above COMPATIBILITY TEST with a suitable compatibility agent (1/4 teaspoon is equivalent to 2 pints per 100 gallons of spray solution).

**PROCEDURE FOR CLEANING SPRAY EQUIPMENT**

The steps listed below are suggested for thorough cleaning of spray equipment following applications of Veteran 2010 Herbicide or tank mixes of Veteran 2010 Herbicide plus MCPA amine.

- 1) Hose down thoroughly the inside as well as outside surfaces of equipment while filling the spray tank half full of water. Flush by operating sprayer until the system is purged of the rinse water.
- 2) Fill tank with water while adding 1 quart of household ammonia for every 25 gallons of water. Operate the pump to circulate the ammonia solution through the sprayer system for 15 to 20 minutes and discharge a small amount of the ammonia solution through the boom and nozzles. Let the solution stand for several hours, preferable overnight.
- 3) Flush the solution out of the spray tank through the boom.
- 4) Remove the nozzles and screens and flush the system with two full tanks of water.

The steps listed below are suggested for thorough cleaning of spray equipment used to apply Veteran 2010 Herbicide as a tank mix with wetttable powders (WP), emulsifiable concentrates (EC), or other types of water-dispersible formulations. Veteran 2010 Herbicide tank mixes with water-dispersible formulations require the use of a water/

detergent rinse.

- 5) Complete step 1.
- 6) Fill tank with water while adding 2 lbs. of detergent for every 40 gallons of water. Operate the pump to circulate the detergent solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
- 7) Flush the detergent solution out of the spray tank through the boom.
- 8) Repeat step 1, and follow with steps 2, 3 and 4.

#### STORAGE AND DISPOSAL

**STORAGE:** Always use original container to store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. Store at temperature above 32°F. If allowed to freeze, warm to at least 40° and remix before using. Freezing does not alter this product. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed labeled container for proper disposal. 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:** 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. Plastic containers are also disposable by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Arsenal® is a registered trademark of American Cyanamid Company.

Princep® is a registered trademark of Ciba-Geigy Corporation.

Garlon® and Tordon® and Spike® are registered trademarks of DowElanco Company.

Hyvar®, Karmex®, Krenite®, Oust®, Telar®, and Velpar® are registered trademarks of E. I. duPont de Nemours & Co., Inc.

Roundup® is a registered trademark of Monsanto Agricultural Products Co.

Asulox® is a registered trademark of Rhone-Poulenc Chemical Company.

Banvel® is a registered trademark of Sandoz Ltd.

Veteran® is a registered trademark of Riverdale Chemical Company.

*Escort*

#### WARRANTY

**NOTICE:** Riverdale Chemical warrants that this herbicide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this herbicide is reasonably fit for its intended purposes. Since timing, method of application, weather, plant and soil conditions, mixture with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

#### Optional Brand Names and Cleaning Instructions

<sup>1</sup>Such as R-11®, Syntac™, Hasten®, or Mor-Act®

<sup>2</sup>Such as Rivert®, or Redi-Vert

<sup>3</sup>The addition of a tank cleaner, such as Neutral-Clean spray tank cleaner and neutralizer. In a 100 to 300 gallon spray tank, add approximately 50 gallons of water and 1/2 pound of Neutral-Clean. Agitate and circulate for approximately 15 minutes. Read and follow complete Neutral-Clean label instructions.

NOTE: If brand names are used, trademark references will be added to label.