

Reg # 55947-18

PM-25

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**ACCEPTED**

AUG 22 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 55947-18

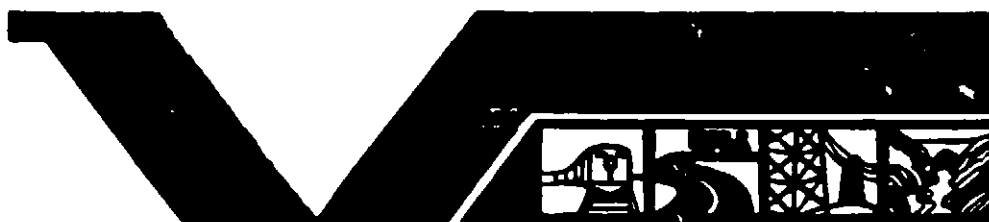


**VELSICOL**

# Banvel<sup>®</sup> 4-W.S.

**INDUSTRIAL HERBICIDE FOR BRUSH AND BROADLEAF WEED CONTROL**

Contains the equivalent of 4.0% 3,6-dichloro-p-aminic acid (dicamba) or 4 pounds per gallon.



**FOR COMMERCIAL OR AGRICULTURAL USE ONLY**

**ACTIVE INGREDIENTS:**

Dimethylamine Salt of dicamba (3,6-dichloro-p-aminic acid) ..	48.2%
Dimethylamine Salt of related acids .....	12.0%
<b>INERT INGREDIENTS .....</b>	<b>39.8%</b>
<b>TOTAL .....</b>	<b>100.0%</b>

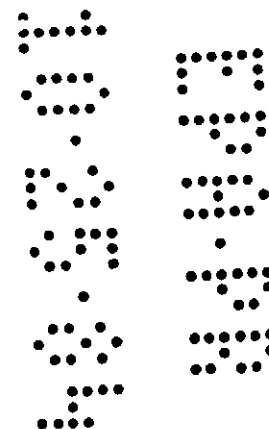
**KEEP OUT OF THE REACH OF CHILDREN**  
**WARNING**

See Side Panel for Additional PRECAUTIONARY STATEMENTS

E.P.A. Reg. No. 876-150-AA  
E.P.A. Est. No. 876-TX-2

**NET CONTENTS: 30 Gallons**

**VELSICOL CHEMICAL CORPORATION**  
341 EAST OHIO STREET, CHICAGO, ILLINOIS 60611



**PRECAUTIONARY STATEMENTS  
HAZARDS to HUMANS (AND DOMESTIC ANIMALS)**

**WARNING**

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid breathing spray mist. Wash thoroughly after handling. In case of contact, wash skin with soap and water, for eyes flush with water for 15 minutes and get medical attention.

**STATEMENT OF PRACTICAL TREATMENT**

- If Swallowed**—Drink one or two glasses of water and induce vomiting by touching back of the throat with a finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.
- If Inhaled**—Remove victim to fresh air. Apply respiration if necessary.
- If on Skin**—Wash with mild soap and water. Rinse with fresh water.
- If in Eyes**—Rinse eyes with water for at least 15 minutes. Get medical aid.

**ENVIRONMENTAL HAZARDS**

Keep out of lakes, streams or ponds. Do not contaminate water by the cleaning of equipment or disposal of waste. Apply this product only as directed on label.

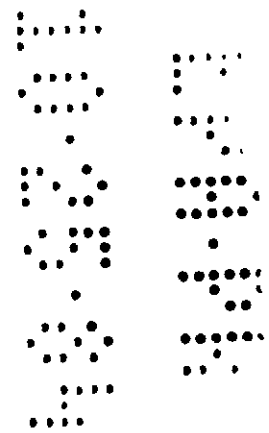
**DIRECTIONS FOR USE**

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

BANVEL 4-W.S. Ir vial Herbicide is recommended for use on rights-of-way (utility, railroad, highway, pipeline), nonselective forest brush control, fence rows, ~~disturbed areas~~, wasteland and similar non-cropland areas.

Refer to the BANVEL 4-W.S. DIRECTIONS FOR USE booklet attached to this container for proper use directions and additional precautionary statements.

For additional copies of the BANVEL 4-W.S. DIRECTIONS FOR USE booklet, write to the manufacturer.



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**PROHIBITIONS**

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

**STORAGE**

Store in original container in a well ventilated area separately from fertilizer, feed and foodstuffs. Avoid cross-contamination with other pesticides. Spillage or leakage should be contained and absorbed with clay granules, saw dust, or equivalent material for disposal.

**PESTICIDE DISPOSAL**

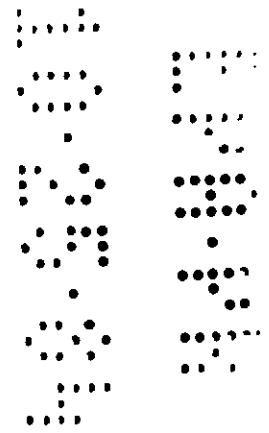
Triple rinse pesticide from containers and use rinsates in the pesticide application. Wastes which cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL**

Plastic or Metal: After triple rinsing (or equivalent), offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned stay out of smoke.

**LIMITED WARRANTY AND LIABILITY**

**NOTICE:** Read the Limited Warranty and Liability before buying or using this product. If the terms are not acceptable, return it at once unopened. It is critical that the product be used and mixed only as specified on the label. The laws of a State may make some or all of this paragraph inapplicable or may give you rights in addition to your rights hereunder. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the Company or any other Seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved. Except to the extent prohibited by State law, there is no warranty, and this Company and other Sellers disclaim all liability for losses, personal injury or damages: (i) arising from any use of this product in a manner or for a purpose not recommended in its label directions or from mixing this product before use with any substances except as recommended by the product's label; (ii) arising from handling or storage in violation of label instructions; (iii) for all indirect special or consequential damages; (iv) when not reported to the Company within one year of discovery; and (v) arising from product not used within the label-designated shelf life or four years from date of purchase, whichever first occurs. THERE ARE NO IMPLIED WARRANTIES AND NO WARRANTIES OF MERCHANTABILITY OR FITNESS.



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**USE  
DIRECTIONS  
VELSICOL**

**Barvel® 4-W.S.**

**INDUSTRIAL HERBICIDE  
FOR BRUSH AND BROADLEAF  
WEED CONTROL**

Contains the equivalent of 40.6% 3,6-dichloro-o-  
anisic acid (dicamba) or 4 pounds per gallon.

<b>ACTIVE INGREDIENTS:</b>	
Dimethylamine Salt of dicamba (3,6-dichloro-o-anisic acid) .....	49.0%
Dimethylamine Salt of related acids .....	7.9%
<b>INERT INGREDIENTS</b> .....	43.1%
Total .....	100.0%

E.P.A. Reg. No. 876-159-AA

**CAUTION**  
**KEEP OUT OF REACH OF CHILDREN**  
See Pages two and three for Additional Cautions

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### CAUTION

**External:**

**For Skin:** Wash with mild soap and water. Rinse with fresh water.  
**For Eyes:** Rinse eye with water for at least 15 minutes. Get medical aid.

**Internal:**

**If swallowed:** Drink one or two glasses of water and induce vomit by touching the back of the throat with a finger or object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

**If inhaled:** Remove victim to fresh air. Apply respiration if necessary.

Keep out of the reach of children.

### IMPORTANT

Do not apply (except as recommended) on or near susceptible plants or in locations where the chemical may be washed or moved into contact with their roots.

When temperature exceeds 85°F or when wind velocity exceeds 10 mph, there is a greater chance of herbicide particle movement to adjacent sensitive crops.

Applications by ground rigs, air and hand dispensers should be discontinued when there is no hazard from drift of product to susceptible plants such as beans, flowers, fruit trees, grapes, ornamentals, potatoes, soybeans, sunflowers, tobacco, and tomatoes, during the growing and dormant periods. Coarse sprays are less likely to drift.

Do not contaminate domestic or irrigation waters during application by cleaning of equipment or disposal of wastes. Avoid contamination of feed and foodstuff. Thoroughly clean application equipment after use. Consult your state authorities for possible aerial or application restrictions.

Observe all environmental cautions on labeling of all products used in mixtures.

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There are no grazing restrictions for cattle being produced for meat, of land treated with a Banvel plus 2,4-D tank mixture. For milk-producing dairy animals restrict grazing on treated land for 7 days after application of 0.5 lb. a.i./acre of dicamba, 21 days after application of 1.0 lb. a.i./acre of dicamba, 40 days after application of 2.0 lb. a.i./acre of dicamba, and 60 days after application of 4.0 lb. a.i./acre of dicamba.

For land treated with a Banvel plus 2,4,5-T tank mixture, do not graze meat animals within 30 days of slaughter. Milk-producing dairy animals should not graze treated fields until 42 days after application of up to 2 lbs. a.i./acre of dicamba. For rates of over 2.0 lb. a.i./acre of dicamba do not graze dairy animals on treated land for 60 days after application.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

#### CONTAINER DISPOSAL

Do not reuse empty container. Wash thoroughly with water and detergent. Discard in a safe place.

#### LIMIT OF WARRANTY AND LIABILITY

The exclusive remedy of the user or buyer and the limit of the liability of this company or any other seller for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or buyer for the quantity of this product involved. There is no warranty and this company and any other seller disclaim all liability for all losses, personal injuries or damages arising from combining substances and from any use of this product not recommended in label directions or arising from misuse, improper handling or improper storage.

2 3

#### INDUSTRIAL BRUSH AND WEED CONTROL

USE	WEED/BRUSH																																								
Rights-of-way (utility, railroad, highway, pipeline), nonselective forest brush control, fence rows, drainage ditch banks,* wasteland and similar noncropland.	For control of unwanted woody brush including both hardwood and evergreen species.  A partial list of trees controlled by BANVEL + 2,4-D or BANVEL + 2,4,5-T* is as follows:  <table border="0"> <tr> <td>Alder</td> <td>Pine</td> </tr> <tr> <td>Ash</td> <td>Poplar</td> </tr> <tr> <td>Aspen</td> <td>Sassafras</td> </tr> <tr> <td>Basswood</td> <td>Schinus</td> </tr> <tr> <td>Cedar</td> <td>(Christmasberry)</td> </tr> <tr> <td>Cherry</td> <td>Serviceberry</td> </tr> <tr> <td>Chinquapin</td> <td>Spicebush</td> </tr> <tr> <td>Cucumber tree</td> <td>Spruce</td> </tr> <tr> <td>Gum</td> <td>Sumac</td> </tr> <tr> <td>Guava</td> <td>Sycamore</td> </tr> <tr> <td>Dogwood</td> <td>Thornapple</td> </tr> <tr> <td>Elm</td> <td>Thornberry</td> </tr> <tr> <td>Hemlock</td> <td>Wild Plum</td> </tr> <tr> <td>Hickory</td> <td>Willow</td> </tr> <tr> <td>Hornbeam</td> <td>Witchhazel</td> </tr> <tr> <td>Locust</td> <td>Yaupon</td> </tr> <tr> <td>Maple</td> <td>and many other</td> </tr> <tr> <td>Mesquite</td> <td>woody plant</td> </tr> <tr> <td>Oak</td> <td>species.</td> </tr> <tr> <td>Paraimmon</td> <td></td> </tr> </table>	Alder	Pine	Ash	Poplar	Aspen	Sassafras	Basswood	Schinus	Cedar	(Christmasberry)	Cherry	Serviceberry	Chinquapin	Spicebush	Cucumber tree	Spruce	Gum	Sumac	Guava	Sycamore	Dogwood	Thornapple	Elm	Thornberry	Hemlock	Wild Plum	Hickory	Willow	Hornbeam	Witchhazel	Locust	Yaupon	Maple	and many other	Mesquite	woody plant	Oak	species.	Paraimmon	
Alder	Pine																																								
Ash	Poplar																																								
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\*NOTE: 2,4,5-T is not permitted for use on drainage ditch banks. Only 4-WS, used alone or tank-mixed with 2,4-D may be used for this purpose.

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INDUSTRIAL BRUSH AND WEED CONTROL		APPLICATION DIRECTIONS	
W.EED/BRUSH	USE	RATE PER 100 GAL OF MIX	APPLICATION DIRECTIONS
<p>For control of unwanted woody brush including both hardwood and evergreen species:</p> <p>A partial list of trees controlled by BANVEL + 2,4-D or BANVEL + 2,4,5-T is as follows:</p> <p>Alder Ash Aspen Basswood Cedar Cherry Cinnamom Cucumber-tree Gum Guava Dogwood Elm Hackberry Wild Plum Wild Rose Willow Witchhazel Yucca and many other woody plant species.</p> <p>Parthenon Oak Mesquite Maple Locust Hickory Hemlock Elm Dogwood Guava Cinnamom Cucumber-tree Cherry Cedar (Christmasberry) Sassafras Sycamore Poplar Pine</p>	<p>Rights-of-way (utility, railroad, highway, pipeline), nonselective forest brush control.</p> <p>Emphasis on covering the root crown. Treat all stems and foliage to runoff with spray. Apply 200 to 300 gallons of spray mix per acre, depending upon height and density of the brush.</p> <p>Best Root Neck Shaver Application — Bead Stem Foliage-Low Water Volume.</p> <p>Apply as a directed spray. Tank-mix BANVEL with 2,4-D or 2,4,5-T and make application after leaves are fully developed until 3 weeks before box.</p> <p>Treat all stems and foliage to runoff with spray. Emphasis on covering the root crown. Apply 200 to 300 gallons of spray mix per acre, depending upon height and density of the brush.</p>	<p>1 qt. BANVEL 4-WS plus 0.5 gal. (4-D or 2,4,5-T) (water soluble) active ingredient 2,4-D or 2,4,5-T (water soluble) and many other woody plant species.</p> <p>2.25 gal. BANVEL 4-WS plus 4.5 gal. (4-D or 2,4,5-T) active ingredient 2,4-D or 2,4,5-T (water soluble) and many other woody plant species.</p>	<p>Best Root Neck Shaver Application — Bead Stem Foliage-Low Water Volume.</p> <p>Apply as a directed spray. Tank-mix BANVEL with 2,4-D or 2,4,5-T and make application after leaves are fully developed until 3 weeks before box.</p> <p>Treat all stems and foliage to runoff with spray. Emphasis on covering the root crown. Apply 200 to 300 gallons of spray mix per acre, depending upon height and density of the brush.</p> <p>Best Root Neck Shaver Application — Bead Stem Foliage-Low Water Volume.</p> <p>Apply as a directed spray. Tank-mix BANVEL with 2,4-D or 2,4,5-T and make application after leaves are fully developed until 3 weeks before box.</p>

NOTE: 2,4,5-T is not permitted for use on drainage ditch banks. Only 4-WS, used alone or tank-mixed with 2,4-D may be used for this purpose.  
Consult your State authorities for possible aerial application restrictions.

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INDUSTRIAL BRUSH AND WEED CONTROL

RATE PER 100 GAL. OF MIX	APPLICATION DIRECTIONS	USE	WEED/BRUSH
5 gal. BANVEL 4-WS. plus 10 gal. (4 lb./gal. active ingredient) 2,4-D or 2,4,5-T* (water soluble amines or emulsifiable LV esters) in 85 gal. water	<b>Aerial Application** — 15 Gallons of Spray Mix Per Acre.</b> Tank-mix BANVEL + 2,4-D or 2,4,5-T* at the given rate when applying 15 gal. of total spray mix per acre. Treatment may be made from the time the leaves are fully developed until 3 weeks before frost.	Rights-of-way (utility, railroad, highway, pipeline), nonselective forest brush control, fencerows, drainage ditch banks,* wetland and similar noncropland.	For control of annual and deep-rooted perennial broadleaf weeds. A partial list of weeds controlled by BANVEL + 2,4-D and 2,4,5-T* is as follows: <b>Perennial broadleaf weeds</b> Canada Thistle Curly Dock Delphinium Toadflax Field Bindweed (Morningglory) Leafy Spurge Milkweed Perennial Ragweed Puncturevine Redvine Russian Knapweed Tansy Ragwort Tivine and many other perennial broadleaf weeds
2½ gal. BANVEL 4-WS. plus 5 gal. (4 lb./gal. active ingredient) 2,4-D or 2,4,5-T* (water soluble amines or emulsifiable LV esters) in 92½ gal. water	<b>Aerial Application** — 30 Gallons of Spray Mix Per Acre.</b> Tank-Mix BANVEL + 2,4-D or 2,4,5-T* at the given rate when applying 30 gal. of total spray mix per acre. Treatment may be made from the time leaves are fully developed until 3 weeks before frost.		<b>Annual broadleaf weeds</b> Carpetweed Chickweed Clover Cocklebur Dogfennel English Daisy Herbit Knotweed Lambquarters Mustard Pigweed Purslane Ragweed Sheep Sorrel Smartweed Velvetleaf Wild Buckwheat and many other broadleaf weeds

\*NOTE: 2,4,5-T is not permitted for use on drainage ditch banks. Only 4-WS. used alone or tank-mixed with 2,4-D may be used for this purpose.

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INDUSTRIAL BRUSH AND WEED CONTROL

RATE PER 100 GAL. OF MIX	APPLICATION DIRECTIONS	USE	WEED/BRUSH
<p>1 quart BANVEL 4-WS. plus 2 quarts (4 lb./gal. active ingredient) 2,4-D or 2,4,5-T* (water soluble amines or emulsifiable LV esters) in 88.25 gal. water</p>	<p>For effective broad spectrum control of annual and perennial broadleaf weeds and vines, apply BANVEL 4-WS. plus 2,4-D or 2,4,5-T* as a tank-mix at the rate of 100 gallons of spray mix per acre. Make application when weeds are actively growing. When applying less than 100 gallons of spray mix per acre, increase the concentration of BANVEL 4-WS. + 2,4-D or 2,4,5-T in order to maintain the same application rates of active ingredients per acre. BANVEL + 2,4,5-T IS NOT PERMITTED FOR USE ON DRAINAGE DITCH BANKS.</p>	<p>Rights-of-way (utility, railroad, highway, pipeline), nonselective forest brush control, fence rows, drainage ditch banks, wasteland and similar noncropland.</p>	<p>Bracken Fern</p>
<p>1 pint BANVEL 4-WS. plus 1 quart (4 lb./gal. active ingredient) 2,4-D or 2,4,5-T* (water soluble amines or emulsifiable LV esters) in 88.75 gal. water</p>			

\*NOTE: 2,4,5-T is not permitted for use on drainage ditch banks. Only 4-WS. used alone or tank-mixed with 2,4-D may be used for this purpose.

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INDUSTRIAL BRUSH AND WEED CONTROL

RATE PER 100 GAL. OF MIX	APPLICATION DIRECTIONS	USE	WEED/BRUSH
1 to 2 gal. BANVEL 4-WS. in 99 gal. water.	<p>Make application at the rate of 100 gallons of spray mix per acre before emergence of the fronds.</p> <p>When applying less than 100 gallons of spray mix per acre, increase the concentration of BANVEL 4-WS. in order to maintain the same rate of application of active ingredient per acre.</p> <p>Enough water must be used to give good coverage.</p>	Tree kill by injection.	<p>Alder (Red)  Ash (White)  Aspen  Basswood  Beech  Birch (Yellow, Paper)  Dogwood  Gum (Sweet, Black)  Hickory  Huckleberry  Maple (Red, Sugar)  Oak (Blackjack, Post)  Persimmon  Pine (White)</p> <hr/> <p>Oak (Black, Chestnut, Red, White)  Pine (Shortleaf)</p>

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To reduce the hazards of spray drift when applying BANVEL + 2,4-D by ground or air equipment, apply with a drift-reducing agent such as the invert system, foam spray adjuvant or with other systems designed to reduce spray drift.

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RATE	APPLICATION DIRECTIONS
<p>Mix 1 part BANVEL 4-WS. to 1 part water or use BANVEL 4-WS. undiluted. Apply 0.5 to 1.0 milliliter (ml.) per injection. Overlap cuts or space cuts up to 2 inches apart from edge to edge.</p>	<p>BANVEL Herbicide may be applied any time during the year. To obtain satisfactory kill, the cut must penetrate the bark and the cambium layer (sapwood). Application may be made by specially designed injector that meters out desired quantity of chemical or cuts may be made with an axe and chemical applied with an oil can or other suitable applicator. Symptoms of injury will be noted within a few weeks but kill may take several months.</p>
<p>Mix 1 part BANVEL 4-WS. to 4 parts water. Apply 0.5 to 1.0 milliliter (ml.) of mix per injection. Space cuts up to 3 inches apart from edge to edge.</p>	

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Another Product from

**VELSICOL**

PROSPER WITH PESTICIDES  
BY USING THEM SAFELY  
READ AND FOLLOW LABEL  
DIRECTIONS

use  
pesticides  
safely  
READ THE LABEL  
FOR DIRECTIONS

VELSICOL CHEMICAL CORPORATION  
341 East Ohio Street, Chicago, Illinois 60611

07154-100AD

Printed in U.S.A.

READ THE LABEL FOR DIRECTIONS