

| Weeds Controlled | Banvel II Rate | Tank Mix |
|---|--|--|
| alder aspen poplar cherry western snowberry (buckbrush) wolf willow (silverwillow) wild rose | Banvel II at 2.1 L /1000 L of water + | 4.0 L of 2,4-D amine (500 g/L formulation) OR 3.3 L of 2,4-D L.V. (600 g/L formulation) |
| aspen poplar | Banvel II at 3.25 L/ha + | 4.4 L/ha of 2,4-D amine (500 g/L formulation) OR 3.75 L/ha of 2,4-D L.V. ester (600 g/L formulation) |
| prickly rose | Banvel II at 3.65 L/ha + | 4.4 L/ha of 2,4-D amine (500 g/L formulation) OR 3.75 L/ha of 2,4-D L.V. ester (600 g/L formulation) |
| western snowberry | Banvel II at 3.65 L/ha + | 3.75 L/ha of 2,4-D L.V. ester (600 g/L formulation) |

Grazing Restrictions

DO NOT permit lactating dairy animals to graze fields within 7 days after application.

DO NOT harvest forage or cut hay within 30 days after application.

Withdraw meat animals from treated fields at least 3 days before slaughter.

SEED PRODUCTION

DO NOT apply by air.

Treatment Notes

For New/Established Stands of Red Fescue

1. Apply **Banvel II** or **Banvel II** tank-mixes in at least 110 litres of water/ha.
2. Applications to new seedling stands may be made when the crop is 5 cm tall.
3. Application to established stands may be made up to the shot-blade stage of the crop.
4. For dandelion control, apply **Banvel II** plus 2,4-D amine in the fall when weeds are in the rosette or early bud stage.

| Weeds Controlled | Banvel II Rate | Tank Mix |
|--|--|---|
| buckwheat, <i>wild</i> buckwheat, <i>Tartary</i> cockle, <i>cow</i> clover lady's-thumb sow-thistle, <i>perennial (top growth)</i> spurry, <i>corn</i> smartweed, <i>green</i> thistle, <i>Canada (top growth)</i> | Banvel II alone at 600 mL/ha | none |
| <i>All of the above plus:</i> additional weeds found on the 2,4-D amine label | Banvel II at 600 mL/ha + | 1.5 L/ha of 2,4-D amine (500 g/L formulation) |

For Canary seed (*Phalaris canariensis*)

1. The canary seed (*Phalaris canariensis*) should only be used as bird seed.
2. For specific weeds controlled, refer to the **Banvel II** + MCPA amine weed spectrum list under "Cereals".

| Herbicide | Rate | Canary Seed (<i>Phalaris canariensis</i>) Stage |
|----------------------------------|--|---|
| Banvel II alone | 290 mL/ha | 3 - 5 leaf stage |
| Banvel II + MCPA amine | 290 mL/ha + 850 mL/ha (500 g/L formulation) | 3 - 5 leaf stage |

For Seedling Grasses (seeded alone or underseeded with cereals)

For seed and forage production of the following seedling grasses

| | |
|-----------------------------|---------------------------------|
| bromegrass, <i>smooth</i> | wheatgrass, <i>crested</i> |
| fescue, <i>meadow</i> | wheatgrass, <i>Intermediate</i> |
| fescue, <i>tall</i> | wheatgrass, <i>pubescent</i> |
| foxtail, <i>meadow</i> | wheatgrass, <i>slender</i> |
| orchard grass | wheatgrass, <i>streambank</i> |
| red fescue, <i>creeping</i> | wheatgrass, <i>tall</i> |
| timothy | |

1. Apply **Banvel II** or **Banvel II** + tank-mixes in at least 110 litres of water/ha.
2. Application to new seedling grasses may be made when they are in the 2 to 4-leaf stage. If the seedling grass is under seeded with a cereal crop, refer to "Cereals" for additional restrictions pertaining to application type and rate.
3. If the crops are to be used as feed or pasture following treatment with **Banvel II**, **Banvel II** plus 2,4-D amine or MCPA, refer to "Grazing Restrictions".

| Weeds Controlled | Banvel II Rate | Tank Mix |
|---|---|--|
| buckwheat, <i>Tartary</i> buckwheat, <i>wild</i> cockle, <i>cow</i> cleavers (higher rate only) lady's-thumb sow-thistle, <i>perennial (top growth)</i> smartweed, <i>green</i> spurry, <i>corn</i> thistle, <i>Canada (top growth)</i> | Banvel II alone at 230 - 290 mL/ha | none |
| <i>All of the above plus:</i> burdock (young seedlings) canola, <i>volunteer*</i> cocklebur flixweed hemp-nettle** kochia pigweed, <i>redroot</i> pigweed, <i>Russian</i> radish, <i>wild</i> shepherd's-purse sunflower, <i>volunteer***</i> thistle, <i>Russian</i> | Banvel II at 230 - 290 mL/ha + | 850 mL/ha of 2,4-D amine (500 g/L formulation) OR 850 mL/ha of MCPA amine (500 g/L formulation) OR 1.1 L/ha of MCPA K (400 g/L formulation) |

* *Best results will be obtained if application is made prior to bolting of canola, when this weed is at the 2 to 4 leaf stage.*

** *Use **Banvel II** + MCPA K for hemp-nettle control. Apply at the 2 to 3 leaf stage of weed for best control. Hemp-nettle may not be controlled if application is made at a more advanced stage of crops and weeds.*

*** *Depending on the growing conditions, control may be delayed slightly.*

For Established Grass Pasture

1. Apply **Banvel II** at 600 mL/ha with 1.5 L/ha of 2,4-D amine (500 g/L formulation) to suppress volunteer alfalfa.
2. Apply **Banvel II** + 2,4-D amine in 110-220 L/ha in the spring to actively growing alfalfa at greater than 5 cm in height.

LOW-BUSH BLUEBERRIES

DO NOT apply by air.

Treatment Notes

1. **Banvel II** can be used alone or in a tank-mix with 2,4-D L.V. ester.
2. Apply **Banvel II** or the **Banvel II** tank-mix in 550 litres of water per hectare.

- Apply in the fall while the sweet-fern is still moderately green after 90% of the blueberries have dropped their leaves. This should be done before the area is burned. Fall burning or cutting should be carried out 4 to 5 weeks after spraying. If spring burning or cutting is planned, it should be done as early as possible in the spring to reduce injury to the blueberries.

Weeds Controlled

| Weeds Controlled | Banvel II Rate | Tank Mix |
|--|----------------|--|
| fern, sweet lambkill (sheep laurel) | 4.6 - 7.1 L/ha | none |
| additional broadleaf control | 2.3 L/ha + | 5.7 L of 2,4-D L.V. ester (600 g/L formulation) |

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, **Banvel II** is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to **Banvel II** and other Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of **Banvel II** or other Group 4 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact BASF at 1-877-371-2273.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed or absorbed through the skin.

Avoid contact with skin, eyes, and clothing.

Thaw if frozen. Shake before use.

Applicators must wear a long-sleeved shirt, long pants and chemical-resistant gloves. For applications to non-crop areas, applicators must also wear coveralls.

DO NOT enter treated fields until 12 hours after application to barley, low bush blueberries, canary seed (*Phalaris canariensis*), corn (field), fallow, oats, pastures, red fescue, spring rye, seedling grasses, stubble fields, summer fallow and wheat (spring, durum).

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

FIRST AID

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

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

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Dicamba may cause severe irritation to the eyes and irritation to the skin and mucous membranes. Symptoms of overexposure to dicamba may include dizziness, muscle weakness, loss of appetite, weight loss, vomiting, decreased heart rate, shortness of breath, excitement, tenseness, depression, incontinence, cyanosis, muscle spasms, exhaustion and loss of voice.

Treat symptomatically.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and it is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

CLEANING SPRAY EQUIPMENT

Banvel II alone or with 2,4-D or MCPA

If you have used **Banvel II** alone or **Banvel II** in a tank-mix with 2,4-D or MCPA, to clean the spray equipment follow these steps:

1. Thoroughly hose down the inside and outside of equipment surfaces while filling the spray tank half-full with water. Flush by operating the sprayer until the system is purged of the rinse water.
2. Fill the tank with water, adding 1 L of household ammonia for every 100 L of water. Operate the spray pump to circulate the ammonia solution through the sprayer solution for 15-20 minutes and discharge a small amount of the ammonia solution through the spray boom and nozzles.
3. Flush the solution out of the spray tank through the boom.
4. Remove the nozzles and screens and flush the system with two tanks full of water.

Banvel II with other Herbicides

To clean spray equipment used to apply **Banvel II** as a tank-mix with wettable powders (WP), emulsifiable concentrates (EC) or other types of water-dispersible formulations, follow these steps: (Note that if you use **Banvel II** tank-mixes with water-dispersible formulation, you must add detergent to the rinse water.)

1. Thoroughly hose down the inside and outside of equipment surfaces while filling the spray tank half-full with water. Flush by operating the sprayer until the system is purged of the rinse water.
2. Fill tank with water while adding 1 kg of detergent for every 150 litres of water. Operate the pump to circulate the detergent solution through the sprayer system for 5-10 minutes and discharge a small amount of the solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
3. Flush the detergent solution out of the spray tank through the boom.
4. Repeat step 1 and follow steps 2 and 3.

Bulk Container Refilling

1. The container is to be refilled only with **Banvel II**.
2. Reseal and return to an authorized BASF bulk site.
3. Prior to refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.
4. Check for leaks after refilling and before transportation.
5. Do not refill or transport damaged or leaking containers.
6. For disposal, this container may be returned to the point of purchase (dealer/distributor). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.
7. If the container is not being refilled, refer to Section on "Disposal".

STORAGE

1. Store **Banvel II** in its original container only, away from other pesticides, fertilizer, food, or feed.
2. Keep the container closed to prevent spills and contamination.
3. Keep packages dry at all times.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

®™ All other products listed are trademarks or registered trademarks of their respective companies.

GROUP

4

HERBICIDE

BANVEL® II HERBICIDE

SOLUTION

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Dicamba, present as diglycolamine salt 480 g ae/L

REGISTRATION NO. 23957

PEST CONTROL PRODUCTS ACT



CAUTION

POISON

WARNING - EYE IRRITANT

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673**

NET CONTENTS: 1 L to 1000 L

E.P.A. Est. No. 55947-TX-1

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

BASF Canada Inc.
100 Milverton Drive
5th Floor
Mississauga, Ontario
L5R 4H1
1-877-371-2273

BANVEL® II is a registered trademark of BASF. ©BASF Canada Inc., 1995

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed or absorbed through the skin.

Avoid contact with skin, eyes, and clothing.

Thaw if frozen. Shake before use.

Applicators must wear a long-sleeved shirt, long pants and chemical-resistant gloves. For applications to non-crop areas, applicators must also wear coveralls.

DO NOT enter treated fields until 12 hours after application to barley, low bush blueberries, canary seed (*Phalaris canariensis*), corn (field), fallow, oats, pastures, red fescue, spring rye, seedling grasses, stubble fields, summer fallow and wheat (spring, durum).

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

Surface Runoff

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine textured or low in organic matter such as clay).

Potential contamination of aquatic areas as a result of runoff may be reduced by including an untreated vegetative strip between the treated area and the edge of the water body.

Avoid applying this product when heavy rain is forecast.

Leaching

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sand, loamy sand and sandy loam soils) and/or the depth to the water table is shallow.

FIRST AID

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

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

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Dicamba may cause severe irritation to the eyes and irritation to the skin and mucous membranes. Symptoms of overexposure to dicamba may include dizziness, muscle weakness, loss of appetite, weight loss, vomiting, decreased heart rate, shortness of breath, excitement, tenseness, depression, incontinence, cyanosis, muscle spasms, exhaustion and loss of voice.

Treat symptomatically.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and it is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

STORAGE

1. Store **Banvel II** in its original container only, away from other pesticides, fertilizer, food, or feed.
2. Keep the container closed to prevent spills and contamination.
3. Keep packages dry at all times.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.