

GENERAL INFORMATION

BROMINAL plus applied as directed, kills young broadleaf weeds in wheat and barley, thus reducing competition with these crops during their early growth.

BROMINAL plus should be applied in the winter or early spring depending on the area. **BROMINAL plus** is not registered for applications to small grains undersown with legumes.

The most important factors for effective weed control are:

1. Spray while weeds are small.
2. Uniform spray coverage.
3. Use the recommended rate.

DIRECTIONS

BROMINAL plus should be applied in late winter or early spring before broadleaf weeds have more than four true leaves. Treat after wheat or barley have three to four leaves or are tillering. Earlier applications may affect crop vigor during poor growing weather. If severe winter damage has occurred, apply only after surviving plants have become re-established with new roots and leaves.

Most weeds should be treated before the four leaf stage. Weeds forming rosettes such as mustards, penny-cress, tarweed, gromwell and fiddleneck should be treated when rosettes are less than 2 inches across.

Proper timing, rate of application, and spray volume will vary according to the weeds present. Good coverage is essential for maximum weed control. Use 10 or more gallons of water per acre with ground sprayers. Nozzle pressure should be at least 30 psi. Width of swath must not exceed length of boom.

Do not apply to wheat or barley during or after the boot stage.

Do not apply when the crop is under stress for lack of water, or when crop forms a canopy over weeds.

Do not graze treated fields for 30 days after application.

Vapors from this product may injure susceptible plants in the immediate vicinity.

AMOUNTS TO USE - WHEN TO SPRAY

Area	Amount/A	Weeds & Growth Stage	Amount Water Needed/A
WASHINGTON, OREGON, IDAHO, Western Montana winter or early spring application; grains 3-4 leaf stage or tillering	1½-2 pints BROMINALplus	gromwell, tarweed, fiddleneck, mustards, & other broadleaf weeds; apply before 4-leaf stage, & before rosette-forming weeds are more than 2 inches across.	Use 10 to 20 gallons/A with ground application. For best results, use 7-10 gallons/A with air application. Use higher volumes for larger weeds or where weed growth is slow due to dry or cold weather.
MONTANA, NORTH & SOUTH DAKOTA, MINNESOTA, COLORADO spring application; grains 3-4 leaf stage or tillering	1 pint BROMINALplus 1½ pints BROMINALplus	Russian thistle and pennycress mixed with wild buckwheat and/or cow cockle; apply before 4-leaf stage. weeds listed above; applied after 4-leaf stage but before 6 inches high	Use 10 to 20 gallons with ground or 2 to 5 gallons with air application. Where wild buckwheat and/or cow cockle are the principal weeds, BROMINAL alone may be used; see BROMINAL label for directions. Use the higher spray volumes indicated above on larger weeds.
OTHER AREAS spring application; after tillering	1-2 pints BROMINALplus	annual broadleaf weeds as listed	Use 10 to 20 gallons/A with ground application. For best results, use 7-10 gallons/A with air application.

Brominal may be applied in liquid fertilizer on or in combinations of liquid fertilizer and water. Use continual agitation until the mixture is completely applied. Do not allow mixture to stand overnight. NOTE: Herbicides can increase contact burn of fertilizers on plant foliage. A reduction in the fertilizer rate and concentration will reduce the hazard of leaf burn.

BROMINAL *plus*

BROADLEAF HERBICIDE

Combination of bromoxynil and MCPA.

Controls annual broadleaf weeds in wheat and barley.

WARNING: Keep out of reach of children.

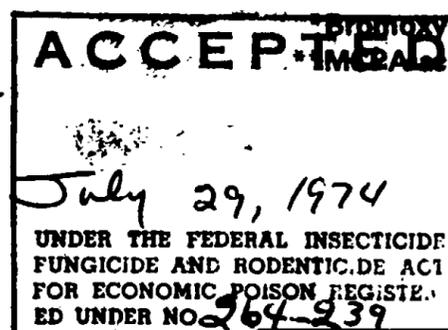
See other cautions on right side panel.

ACTIVE INGREDIENTS:

Octanoic acid ester of bromoxynil*
(3,5-dibromo-4-hydroxybenzonitrile) 30.7%
Butoxyethanol ester of 2-methyl-4-chlorophenoxyacetic acid** . . . 31.6%

INERT INGREDIENTS: 37.7%

* Bromoxynil acid equivalent 21.1% by weight or 2 pounds per gallon.
** MCPA acid equivalent 21.1% by weight or 2 pounds per gallon.



AMCHEM PRODUCTS, INC.

First Name in Herbicide Research

AMBLER, PA. ■ Clinton, IA. ■ St. Joseph, Mo. ■ Fremont, CA.

EPA Reg. No. 264-239-ZA

EPA Reg. 264-PA-1-

WEEDS CONTROLLED

Most Susceptible

Use 1 pint BROMINAL^{plus} per Acre

<u>black mustard</u>	(<i>Brassica nigra</i>)
<u>cow cockle</u>	(<i>Saponaria vaccaria</i>)
<u>field pennycress, fanweed</u>	(<i>Thlaspi arvense</i>)
<u>green smartweed</u>	(<i>Polygonum scabrum</i>)
<u>kochia</u>	(<i>Kochia scoparia</i>)
<u>lambsquarters</u>	(<i>Chenopodium album</i>)
<u>london rocket</u>	(<i>Sisymbrium irio</i>)
<u>pinweed</u>	(<i>Amaranthus retroflexus</i>)
<u>Russian thistle</u>	(<i>Salsola kali</i>)
<u>shepherdspurse</u>	(<i>Capsella bursa-pastoris</i>)
<u>sow thistle (annual)</u>	(<i>Sonchus oleraceus</i>)
<u>tumble (Jim Hill) mustard</u>	(<i>Sisymbrium altissimum</i>)
<u>wild radish</u>	(<i>Raphanus raphanistrum</i>)

Susceptible

Use 1½ pints BROMINAL^{plus} per Acre

<u>blue (purple) mustard</u>	(<i>Chorispora tenella</i>)
<u>corn chamomile</u>	(<i>Anthemis arvensis</i>)
<u>corn gromwell</u>	(<i>Lithospermum arvense</i>)
<u>dog fennel (May weed)</u>	(<i>Anthemis cotula</i>)
<u>fiddleneck</u>	(<i>Amsinckia intermedia</i>)
<u>knawel (German moss)</u>	(<i>Scleranthus annuus</i>)
<u>pepperweed</u>	(<i>Lepidium campestre</i>)
<u>ragweed</u>	(<i>Ambrosia artemisiifolia</i>)
<u>silver leaf nightshade</u>	(<i>Solanum elaeagnifolium</i>)
<u>small seeded false flax</u>	(<i>Camelina microcarpa</i>)
<u>tansy mustard</u>	(<i>Descurainia pinnata</i>)
<u>tartary buckwheat</u>	(<i>Fagopyrum tataricum</i>)
<u>tarweed</u>	(<i>Hemizonia spp.</i>)
<u>wild mustard</u>	(<i>Brassica kaber</i>)
<u>winter vetch</u>	(<i>Vicia sativa</i>)
<u>yellow rocket</u>	(<i>Barbarea vulgaris</i>)

Less Susceptible

Use 2 pints BROMINAL^{plus} per Acre

<u>fumitory</u>	(<i>Fumaria officinalis</i>)
<u>groundsel</u>	(<i>Senecio vulgaris</i>)
<u>henbit</u>	(<i>Lamium amplexicaule</i>)

This treatment will not control established perennial broadleaf weeds such as Canada thistle, bindweed, or horsetail rush.

WARNING

Harmful if swallowed. Avoid contact with skin, eyes or clothing. In case of contact, flush eyes with plenty of water; get medical attention. Wash skin with plenty of water and soap. Avoid breathing spray mist.

This product is toxic to fish and wildlife. Keep out of any body of water. Do not apply when weather conditions favor drift from areas treated. Rinse spray equipment and containers thoroughly and dispose of waste in a pit in noncrop areas located away from water supplies. Do not reuse shipping containers; destroy by crushing and burying where possible.

~~Avoid spray drift onto neighboring crops or pastures. Clean sprayer thoroughly before using for other purposes. Do not store near fertilizers, seeds, insecticides, or fungicides. Do not store with food stuffs.~~

Do not store below 10° F.

Do not use this product for purposes other than those recommended on this label.

WARRANTY

Amchem warrants that composition of this product conforms to the chemical description given in the ingredient statement and the product is suited for the purposes described when used according to directions. Because of the broad range of conditions which may be encountered with the use of this product, it is impossible to eliminate all risks, even though label directions are followed. Amchem, therefore, makes no other express or implied warranty, and no agent of Amchem is authorized to do so. Buyer agrees, in purchasing this product, to assume the risks and in the event of damages arising from a breach of the warranty to accept refund of the purchase price of the product as full discharge of Amchem's liability.