

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

JUL 1 8 2001

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Melvin Graben
BASF Corporation
P.O. B^{ox} 13528
Research Triangle Park, NC. 27709

Dear Mr. Graben:

SUBJECT:

Banvel Herbicide

Amended Label

EPA Registration No. 7969-131 Application Dated: April 14, 2001

The label referred to above, submitted in connection with registration under the Federal Insecticide, fungicide, and Rodenticide Act, as amended, is acceptable. The amended label supersede all previously accepted ones. A stamped copy is enclosed for your record. Please submit one copy of your final printed label before you release this product for shipment.

Sincerely yours,

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

Enclosure

Sn. Ciake 7-18-01

Banvel

FOR WEED CONTROL IN CORN, SORGHUM, SMALL GRAINS, PASTURE, HAY, RANGELAND, GENERAL FARMSTEAD (NON-CROPLAND), FALLOW, SUGARCANE, ASPARAGUS, TURF, AND GRASS SEED CROPS.

SPECIMEN LABEL

ACTIVE INGREDIENT:

contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

* This product contains 40.0% 3,6-dichloro-o-anisic acid (dicamba) or 4 pounds per gallon (480 g/L).

EPA Reg No. 7969-131

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUL 1 8 2001

Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

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.) See additional precautionary statements.

	FIRST AID					
If in eyes	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. 					
lf on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. 					
ff swallowed	 Call a poison control center 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 center or doctor. Do not give anything to an unconscious person. 					
	HOT LINE NUMBER					
lave the product	container or label with you when calling a poison control center or doctor or going for treatment. You may also					

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING/AVISO

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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- = rotective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry

ENGINEERING CONTROLS STATEMENTS

When handlers use closed systems, 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.

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 put on 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

For terrestrial uses, 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.

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.

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.

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 24 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
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Nonagricultural 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, nurseries, or greenhouses.

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

Before applying BANVEL® herbicide (BANVEL), read all directions and precautions appearing on the container label and in this booklet. Failure to follow all directions and precautions may result in unsatisfactory weed control, crop injury, or illegal residues.

GENERAL INFORMATION

The following directions apply to all uses of BANVEL. Additional precautions and restrictions will be found in each specific use section.

pt treat irrigation ditches or water used for crop in ation or domestic uses.

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

MIXING AND APPLICATION

UNLESS OTHERWISE SPECIFIED UNDER THE INDIVIDUAL USE HEADINGS OF THIS BOOKLET, THE FOLLOWING DIRECTIONS APPLY TO ALL CROP AND NON-CROP USES OF BANVEL. REFER TO INDIVIDUAL USE SECTIONS FOR ADDITIONAL PRECAUTIONS, RESTRICTIONS, APPLICATION RATES, AND TIMINGS.

BANVEL is a water-soluble formulation that can be applied using water or sprayable fluid fertilizer as the carrier. If a fluid fertilizer is to be used, a compatibility test (see COMPATIBILITY TEST) should be made prior to tank mixing.

Ground or aerial application equipment which will give good spray coverage of weed foliage should be used. HOWEVER, DO NOT USE AERIAL APPLICATION EQUIPMENT IF SPRAY PARTICLES CAN BE CARRIED BY WIND INTO AREAS WHERE SENSITIVE CROPS OR PLANTS ARE GROWING OR WHEN TEMPERATURE INVERSIONS EXIST.

Apply 3 to 50 gallons of diluted spray per treated acre when using ground application equipment or 1 to 10 gallons of diluted spray per treated acre (2 to 20 gallons of diluted spray per treated acre for preharvest uses) in a water-based carrier when using aerial application equipment. Use the higher level of the listed spray volumes when treating dense or tall vegetation. Use coarse sprays.

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. To avoid uneven spray coverage, BANVEL should not be applied during periods of gusty wind or when wind is in excess of 15 mph.

Avoid disturbing (e.g., cultivating or mowing) treated areas for at least 7 days following application.

BEST STEWARDSHIP PRACTICES

BANVEL provides effective broadleaf weed and brush control when properly applied. Best stewardship practices in all mixing, loading, and application operations not only maximize weed control, but also protect ground and surface waters and minimize off-target movement.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

GROUND AND SURFACE WATERS PROTECTION

1) Point source contamination - To prevent point source contamination, do not mix, load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. Do not apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells according to state and local requirements and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be selfcontained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational

containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or antisiphoning devices must be used on all mixing equipment.

2) Movement by surface runoff or through soil - Do not apply under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly comported surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. Do not apply to soils classified as sand with less than 3% organic matter and where ground water aepth is shallow (less than 8 feet in Arizona). To minimize the possibility of ground water contamination, carefully follow application rate recommendations as affected by soil type in the general information section of this label.

3) Makement by water erosion of treated soil - Do not apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

SENSITIVE CROP PRECAUTIONS

BANVEL 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. These plants are most sensitive to BANVEL during their development or growing stage. FOLLOW THE PRECAUTIONS LISTED BELOW WHEN USING BANVEL.

 Do not treat areas where either possible downward movement into the soil or surface washing may cause contact of BANVEL with the roots of desirable plants such as trees and shrubs.

 Avoid making applications when spray particles may be carried by air currents to areas where sensitive arops and plants are growing or when temperature inversions exist. Do not spray near sensitive plants if wind is gusty or in excess of 5 mph and moving in the direction of adjacent sensitive crops. 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.

Use coarse sprays to avoid potential herbicide drift.
 Select nozzles which are designed to produce minimal amounts of fine spray particles. Examples of nozzles designed to produce coarse sprays via ground applications are Delavan Raindrops, Spraying Systems XR flat fans, or large capacity flood nozzles such as D10, TK10, or greater capacity tips. Keep the spray pressure at or below 20 psi and the spray volume at or above 20 gpa, unless otherwise required by the manufacturer of drift-reducing nozzles. Consult with your spray nozzle supplier concerning the choice of drift-reducing nozzles.

 Agriculturally approved drift-reducing additives may be used.

 Do not apply BANVEL® herbicide adjacent to sensitive crops when the temperature on the day of application is expected to exceed 85°F as drift is more likely to occur.

 To avoid injury to desirable plants, equipment used to apply BANVEL should be thoroughly cleaned (see PROCEDURE FOR CLEANING SPRAY EQUIPMENT) before reusing to apply any other chemicals.

All crop uses of **BANVEL** are intended for a normal growing interval between planting and harvest. No crop rotation restrictions exist if normal harvest of treated grop has occurred. If this interval is shortened, such as in cover crops that will be plowed under, do not follow up with the planting of a sensitive crop.

Crops growing under stress conditions such as drought, poor fertility, or foliar damage due to hail, wind, or insects, can exhibit various injury symptoms that may be more pronounced if herbicides are applied.

Consult your local or state authorities for possible application restrictions and advice concerning these and other special local use situations. <u>Tank mix recommendations are for use only in states where the tank mix product and application site are registered.</u>

BAND TREATMENTS

BANVEL may be applied as a band treatment. Use the formulas below to determine the appropriate rate and volume per treated acre.

Band width in inches Row width in inches	Broadcast Band RATE X RATE = per treated acc per treated acre	re
Band width in inches Row width in inches	X Broadcast = Band VOLUM VOLUME = per treated aar	-

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)

HERBICIDE	rate	level
FORMULATIONS	<u>Per acre</u>	<u>Teaspoons</u>
Dry	1 lb	1 ½
Liquid	1 pt	½

If herbicide(s) do not ball-up or form flakes, sludge, gels, oily films or layers, or other precipitates, then the tested spray mix is 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 fluid fertilizer).

PROCEDURE FOR CLEANING SPRAY EQUIPMENT

The steps listed below are suggested for thorough cleaning of spray equipment following applications of BANVEL or tank mixes of BANVEL or tank mixes of BANVEL plus 2,4D amine.

1) Hase down thoroughly the inside as well as outside surfaces of eaupment 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, preferably overnight.

3) Flush the solution out of the spray tank through the

4) Remove the nozzles and screens and flush the system with 2 full tanks of water.

The steps listed below are suggested for thorough cleaning of spray equipment used to apply BANVEL as a tank mix with wettable powders (WP), emulsifiable concentrates (EC), or other types of waterdispersible formulations, BANVEL 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 lb of detergent for every 40 gallons of water. Operate the pump to circulate the detergent solution through the sprayer system for 5 to 10 minutes and discharge a small amount of the 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.

GENERAL WEED LIST

This is a general list of weeds which may be treated with BANVEL® herbicide in accordance with this label as recommended under the RATES AND TIMING sections of the Individual Use Headings. Proper usage of this product will give control or growth suppression of many ANNUAL, BIENNIAL, and PERENNIAL broadleaf weeds, and many WOODY brush and vine species including:

ANNUALS

Amaranth, Spiny (Spiny Pigweed) Nightshade, Black Aster, Slender Bedstraw Beggarweed, Florida Broomweed, Common Buckwheat, Wild Buffalobur Burdover, California Burcucumber Buttercup, Roughseed Carpetweed

Catchfly, Nightflowering Chamomile, Corn Chickweed, Common Clovers (Annual) Cockle, Com Cockle, Cow Cocklebur, Common Croton, Tropic Croton, Woolly

Pennycress, Field (Fanweed, Frenchweed, Stinkweed) Pepperweed, Virginia (Peppergrass) Pigweed, Prostrate Pigweed, Redroot (Carelessweed) Pigweed, Rough Pigweed, Smooth Pigweed (triazine resistant) Pigweed, Tumble Poorjoe Puncturevine Purslane, Common Pusley, Florida Radish, Wild Ragweed, Common Ragweed, Giant (Buffaloweed) Ragweed, Lance-Leaf Rubberweed, Bitter (Bitterweed) Sesbania, Hemp

Daisy, English Evening Primrose, Cutleof Fleabane, Annual Goosefoot, Nettleleaf limsonweed Knotweed Kachia Ladysthumb Lambsquarters, Common Lambsquarters (triazine resistant). Lettuce, Prickly Mallow, Common Mallow, Venice Mare's Tail (Horseweed) Marweed Morningglory, lvyleaf Morningglory, Tall Mustard, Tansy Mustard, Wild Mustard (Yellowtops)

Shepherdspurse Sicklepod Sida, Prickly (Teaweed) Smartweed, Green Smartweed, Pennsylvania Sneezeweed, Bitter Sowthistle, Annual Sowthistle, Spiny Spike weed, Common Spurge, Prostrate Spurry, Corn Starber, Bristly Sumpweed, Rough Sunflower, Common (Wild) Sunflower, Volunteer Thistle, Russian Velver eaf Waterhemp Waterprimrose, Winged Wormwood, Annual

BIENNIALS

Burdock, Common Carrot, Wild (Queen Anne's Loce) Ragwort, Tansv Cockle, White Evening Primrose, Common Geranium, Carolina Gromwell Knapweed, Diffuse Knapweed, Spotted Mallow, Dwarf

Plantsin, Bracted Starthistle, Yellow Sweetchver Tease: Thistle, Bull Thistle, Milk Thistle, Musk Thistle, Plumeless

PERENNIALS

Alfalfa Artichoke, Jerusalem Aster, Spiny Aster, Whiteheath Beadstraw, Smooth Bindweed, Field Bindweed, Hedoe Blueweed, Texas Bursage (Bur Ragweed)

Lakeweed, Povertyweed, Bursage, Woollyleaf (Lakeweed) Buttercup, Tall Campion, Bladder

Chickweed, Field Chickweed (Mouseear, Canada)

Chicory * Clover, Hop * Dandelion, Common

* Dock, Broadleaf (Bitterdock) * Dock, Curly

Dogbane, Hemp * Dogfennel (Cypressweed) Fern, Bracken

Garlic, Wild Goldenrod, Canada Goldenrod, Missouri Goldenweed, Common Hawkweed Herbane, Black Horsenettle, Carolina Ironweed

Knapweed, Black Knapweed, Russian Milkweed, Climbing

Milkweed, Common Mikweed, Honeyvine Mikweed, Western Whorled Nettle, Stinging Nightshade, Silverleaf (White Horsenettle) Onion, Wild

* Plantain, Broadleaf Plantain, Buckhorn

Pokeweed Roaweed, Western

Redvine Sericia Lespedeza Smartweed, Swamp

Snakeweed, Broom Sorrel, Red (Sheep Sorrel) Sowthistle

Sowthistle, Perennial Spurge, Leafy Sundrop, Halfshrub (Evening Primrose) Thistle, Canada Toadflex, Dalmatian Tropical Soda Apple

Trumpetcreeper [Buckvine] Velch Waterhemlock Waterprimrose, Creeping

Woodsorrel, Creeping Common Yellow Wormwood, Common Wormwood, Louisiana

* Yankeeweed Yarrow, Common

* Noted perennials may be controlled using BANVEL at rates lower than those recommended for other listed peremial weeds. (See APPLICATION RATES AND TIMING sections in this label.)

WOODY

Alder Ash Aspen Basswood Beech Birch * Blackberry Loaust, Black Maple Mesquite Oak Oak, Poison Olive, Russian Persimmon, Eastern

- * Blackaum
- * Cedar Cherry
- Chinquapin Cottonwood
- * Creosotebush Cucumbertree
- * Dewberry * Dogwood Elm
- Grape
- * Hawthorn (Thornapple) Hemlock Hickory
 - Honeylocust Honeysuckle Hornbeam Huckleberry
- Huisache My, Poison Kudzu
- * Growth Suppression

Pine

- * Plum, Sand (Wild Plum) Poplar Rabbitbrush
- * Redcedar, Eastern
- * Rose, McCartney
 * Rose, Multiflora
 Sagebrush, Fringe
 Sassafras
 Serviceberry
 Spicebush
- Spruce Sumac * Sweetgum Sycamore
- Tarbush Willow Witchhazel
- * Үаироп
- * Yucca

FIELD, SEED*, POPCORN*, AND SILAGE CORN

Observe all PRECAUTIONS, MIXING, AND APPLICATION instructions as well as the following:

* Do not apply BANVEL® herbicide to seed corn or popcorn without first verifying with your local seed corn company (supplier) the BANVEL selectivity on your inbred line or variety of popcorn. This precaution will help avoid potential injury of sensitive varieties.

BANVEL is not registered for use on sweet corn. Direct contact of BANVEL with corn seed must be avoided. If corn seeds are less than 1½ inches below the surface, delay application until corn has emerged. Up to 2 applications of BANVEL may be made during a growing season. Do not exceed a total of 1½ pints of BANVEL per treated acre per crop year. Allow two weeks or more between applications of BANVEL. See appropriate section for rate information. For combination options or sequential treatments, refer to appropriate section.

Applications of BANVEL to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3 to 7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage.

to avoid breakage.

Agriculturally approved surfactants or sprayable fertilizers (½ to 1 gallon per acre of 28%, 30%, or 32% urea ammonium nitrate or 2.5 pounds per acre spray grade ammonium sulfate1) may be added to the spray mixture to improve postemergence weed control, particularly in dry growing conditions.

Do not use adjuvants containing penetrants such as petroleum-based oils after crop emergence or crop intervence or crop

injury may result.

Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity.

Several synthetic pyrethroid insecticides are labeled for tank mix applications of BANVEL. Refer to their label for specific recommendations.

WEEDS CONTROLLED

BANVEL will control many ANNUAL broadleaf weeds or give growth suppression of many PERENNIAL broadleaf weeds commonly found in corn.

(Refer to the GENERAL WEED LIST)

For best performance, make application when weeds have emerged and are actively growing.

Preemergence control of cocklebur, velvetleaf, and jimsonweed may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

Not for use in California.

PREPLANT/PREEMERGENCE IN NO-TILLAGE CORN

Applications of BANVEL may be made before, during, or after planting to emerged and actively growing broadleaf weeds. Apply BANVEL at 1 pint per treated acre on medium or fine textured soils containing 2% or greater organic matter. Use ½ pint per treated acre on coarse textured soils (sand, sandy loam, and loamy sand) or medium and fine textured soils with less than 2% organic matter.

When planting into a legume sod (e.g., alfalfa or clover), apply BANVEL after 4 to 6 inches of

regrowth has occurred.

PREEMERGENCE IN CONVENTIONAL OR REDUCED TILLAGE CORN

BANVEL may be applied after planting and prior to corn emergence. Application at 1 pint per treated acre may be made to medium or fine textured soils which contain 2% or greater organic matter. DO NOT apply to coarse textured soils (sand, sandy loam, and loamy sand) until after crop emergence (see Early Postemergence uses below).

Preemergence application of BANVEL does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) which concentrate treated soil over seed furrow.

EARLY POSTEMERGENCE (ALL TILLAGE SYSTEMS) (SPIKE THROUGH 8 INCH TALL CORN)

BANVEL at 1 pint per treated acre may be applied during the period from corn emergence through the five leaf stage or 8 inches tall, whichever comes first. Reduce the rate to 1/2 pint per treated acre if corn is growing on coarse textured soils (sand, sandy loam, loamy sand). See Late Postemergence applications given below if the 6th true leaf is emerging from whorl or corn is greater than 8 inches tall.

LATE POSTEMERGENCE (ALL TILLAGE SYSTEMS) (8 TO 36 INCH TALL CORN)

Application of BANVEL at 1/2 pint per treated acre may be made from 8 to 36 inch tall corn or 15 days before tassel emergence, whichever comes first. For best performance, make applications when weeds are less than 3 inches tall.

Make directed spray application when: (1) corn leaves prevent proper spray coverage; (2) sensitive crops are growing nearby; (3) tank mixing with 2, 4-D.

DO NOT apply BANVEL when soybeans are growing nearby if any of these conditions exist:

- •corn is more than 24 inches tall
- soybeans are more than 10 inches tall
- soybeans have begun to bloom

OVERLAY (SEQUENTIAL) TREATMENTS

BANVEL® herbicide may be applied to ground previously treated with one or more of the following herbicides registered for use in corn:

acetochlor (Surpass*, burylate Harness* Plus) (Sutan* alochlor (Lasso*, CLARITY halosulfuron (Battalion®, (Sutan +/Genate)
CLARITY Permit®) Lorial³ MARKSMAN Lasso MT®, Partner®) cychazine (Bladex®) dimethenamid metolachlor (Dual) atrazine FRONTIER® paraquat (Gramoxone®) Bicep® pendimethalin (Prowl⁹) Broadstrike® + Dual® EPTC (Eradicane®) Exaczine® II Broadstrike® Plus propachlor (Ramrod®) ghphosate (Roundup®) simazine (Princep®)
GUARDSMAN® Surpass® 100 Bronco® Bullef[®]

Apply **BANVEL** at 1/2 pint per treated acre to ground previously treated with full rates of CLARITY or MARKSMAN herbicides. Allow at least 2 weeks between applications.

READ AND FOLLOW LABEL DIRECTIONS FOR EACH OF THE ABOVE PRODUCTS.

TANK MIX TREATMENTS FOR CORN

BANVEL may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.

RATES AND TIMINGS

BANYEL PLUS	PREPLANT/ PREEMERGENT (NO TRELAGE (ORN)	PEEMERGENT (CONVENTIONAL OR REDUCED TYPIGE (ORN)	EARLY POST- EMERGENT (ALL TILLAGE SYSTEMS)	LATE POSTEMERGENT (ALL TILLAGE SYSTEMS)	ADDITIONAL DIXECTIONS
ACCENT® (nicosulfuron)		-	1/2-1.0 oz oi /A	1/2-1.0 oz oi/A (To improve sprcy coverage of week and reduce risk of corn injury, use drop pipes to direct sprcy benerals corn leaves when leaves when B inches toll.)	Application may be mode to emerged weeds before corn is greater than 24 inches told. Use non-ionic surfactant at 25% (V/V) with this tank mixture.
Atrazine	1 V 4 - 2.0 lb ci√A	11/4-20 B oi/A	11/4-2.0 lb ci/A Crop od concea- trates may be used with this mixture if coru is 5 inches or less in height.	11/4-2.9 lb oi/A Do not apply if core is greates than 12 inches toll.	Application may be made before grasses are 11/2 inches tall. Follow oil state and federal restrictions pertaining to utrazine applications.
BEA(ON® (primisulturon)			931 - 9.62 ez ei/A	0.31 - 0.52 oz ai/A (To improve spray sayssaga of weeds and reduce risk ed own injury, use drop pipes to direct spray beautif spray beautif spray beautif spray in the spray i	Application may be made to emerged weeds when corn is 4 to 24 inches toll. Use surfaction in 2.5% (Y/Y) with this took mixture.
BLADEX (cyanazine)	19e-4.0 hm/4	1/1-40 lb oi/A	Ve-20 h eVA (use the 90 DF formulation only, after corn emergence.)		Application may be made before grasses are 1 ½ inches toll, and before corn is beyond the 4 leaf stage.
DELAL (metolocislor)	11/7-3.0 h m/A	11/2 - 3.0 lb oi/A fuse only on line or medium textured soils with	11/1-3.0 b si/A	_	Application may be made before gresses reach the 2 lead stage and before

BANVER PLUS	(NO THLAGE CORN)	MEEMERGENT (COMMENTIONAL OR MEMOCED TILLAGE (ORN)	DALL TILLAGE Systems)	POSTEMERGENT POSTEMERGENT PASTEMS)	ADDITIONAL DIRECTIONS
FRONTIER (dimediarsonio)	13.0 -25.0 Il az aj/k	13.9-25.0 Eac/2 fore only on fine or medium lexture stake with 2.5% or greater or gonic matter)	139-250 Barai/A		Application may be made up to 8 inch toll corn. This went toll corn. This went must be combined with a herbicide shall provider portemengence control of gross weeks if they are greater than inch toll in the time of application.
FRONTIER 6.0 (dimesheromid)	16.0 - 37.0 R oz/A	16.8 - 32.0 Baz-'A (est only on fine or medium learner soils with 2.52 on yearner organic mathen)	d		Application may be made up to 8 inch toll cora. This treatment must be combined with a herbidde that provides posterner-genke control of gross weeds if they are yeater than the time of modulation.
(baxadnas) EXTMOXOHE	Ye-labs/k	Ve 1.0 E a. 1	_	<u></u>	Application may be made to among out prior to core emerged to the prior to core emergence.
HLENESS PLUS® or SURPASS (oxeloxhlor)	11/2-3.0 k m/A	1 /2-3.0 km k free only on the or medium textured s with 2.5% or pects argunic matter.			Application should be mode prior to core satergence.
OZZJ (wifoele)	11/2-4 9 b m/ A	11/2 4.0 b ti/A (use only on the nextured sole with greater from 1.5% argenic matter)	11/1-40 b a/A		Application may be made before grasses reach the 2 leaf stag and before from is greater than 3 inches toll if microencapsukted for ms of abadior are used (Lorso MI, Partner), applications must be made prior to grass energence.
PRUNCEP (simuzine)	20-30 b m/1	20-30 k m/A	-	-	Application may be made prior to corn or weed emergence.
P20WL (pendimethalin)	_	1/1-11/2 h si/A lese only in fine or Redicts leskaret sals with 2.5% or greater organic mester.)	1/6-11/1 b a/ 3	_	Application may be made immediately after planting but prior to weed emergence. Corn should not be beyond the items stoge of growth.
ROUNDUP (glyphasate)	1.0-3.0 b m/3	1.0-3.0 b si/A	_	_	Application may be mode to emerged weeds but prior to corn emergence.
STINGER® (dopyrolid)			OCTS - LOV B a/A	2175-207 b c/A	Applications may be made any time after corn energence farwagh 24 inch toll corn. Use drop nozzles to direct spor after corn exceeds it inch stage. Apply the histile plants in emerged and are at least 4 inches in height, but before but stage. Use high rates listed for soon reduction of larger thistile plants or heavier infestations. Lower totes instead any provide season

SORGHUM (MILO)

BLXVEL PLUS	PREPLANT/ PREDMERGENT (NO TREJAGE (ORM)	PREEMERGENT (CONVENTIONAL OR REDUCED THLAGE CORN)	EARLY POIST- EMERGERIT (ALL TRALAGE SYSTEMS)	LATE POSTEMERGENT (ALL TRELAGE SYSTEMS)	ADDITIONAL DIRECTIONS
1006H [®] 3.75f((ppidote)			0.47 B = VA	£47 - £14 b a/k	Applications may be made to emerged, eclively growing weeds. Directed applications are recommended when tom a large enough to prevent proper spring coverage.
7+0	1/1/1 b ∞/ A	Va¥ta h ci/A	Not recommended	1/2 lb ni/A	Drap specs are to be send when care beings is it inches or greater. Keeping the spray off the care beautiful of the what will reduce the litterboard of crop injury and suprave spray coverage of weet folioge.

Observe all PRECAUTIONS, including the reference to crops growing under stress.

Read and follow MIXING AND APPLICATION instructions.

Applications of BANVEL® herbicide to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10 to 14 days.

Do not graze or feed treated sorghum forage or silage prior to mature grain stage. If sorghum is grown for pasture or hay, refer to the PASTURE use section of this label. Do not apply BANVEL to sorghum grown for seed production.

Make no more than one application per growing season.

WEDS CONTROLLED

BANVEL, when applied at the recommended rate for sorghum, will control many actively growing ANNUAL broadleaf weeds and will reduce competition from established PERENNIAL broadleaf weeds as well as control their seedlings (Refer to GENERAL WEED LIST).

RATES AND TIMINGS

BANVEL may be applied to emerged and actively growing weeds at least 15 days prior to planting. Postemergence application of BANVEL must be made after sorghum is in the spike stage (all sorghum emerged) but before sorghum is 15 inches tall. For best performance, make applications when sorghum is in the 3 to 5 leaf stage and weeds are small (less than 3 inches tall). Use drop pipes (drop nozzles) if sorghum is taller than 8 inches. Keeping the spray off the sorghum leaves and out of the whorl will reduce the likelihood of crop injury and improve spray coverage of weed foliage.

BROADCAST RATE PER TREATED ACRE: 1/2 pint (1/4 lb ai)

TANK MIX TREATMENTS BANVEL PLUS ATRAZINE

For improved control of emerged, actively growing broadleaf weeds including triazine resistant species and added suppression of perennial broadleaf weeds, tank mix ½ pint BANVEL with 0.5 to 1.25 lb ai atrazine per treated acre. For control of grasses (less than 1.5 inches tall), tank mix ½ pint BANVEL with 2 lb ai atrazine per treated acre. For best performance and minimal crop injury, make application when sorghum is 3 to 8 inches tall and when broadleaf weeds are small (less than 6 inches tall). Application of atrazine must be made before sorghum is beyond 12 inches tall. The atrazine rate will depend upon soil texture and length of residual weed control desired. Follow all state and federal restrictions pertaining to atrazine applications.

BANVEL PLUS BUCTRIL®

For improved control of broadleaf weeds, tank mix 1/2 pint BANVEL with 1 to 11/2 pint Buctril herbicide per treated acre. Make application at 4 leaf to 15 inch tall sorghum. Use drop nozzles to direct spray beneath sorghum leaves when sorghum is greater than 8 inches tall.

READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES AND TIMINGS, AND OTHER RESTRICTIONS.

OVERLAY (SEQUENTIAL) TREATMENTS

BANVEL may be applied to ground previously treated with one or more of the following herbicides:

Herbicide	Maximum rate per treated acre (lb ai)
alachlor (Lassa)	4.0
(Screen® Freated seed) atrazine!	2.5
metalachlor (Dual [©])	2.5
[Concep ⁶ -treated seed] propachlor [Ramrod]	5.0

Maximum use rate for atrazine is determined by soil type, tillage practices used, surface restrictions. Follow the more restrictive requirements when determining the maximum use rate for atrazine.

PREHARVEST USES FOR USE ONLY IN THE STATES OF TEXAS AND OKLAHOMA

BANVEL may be applied for weed suppression any time after the sorghum has reached the soft dough stage. An agriculturally approved surfactant may be used to improve performance. For aerial applications use at least 2 gallons of Water-based carrier per treated acre.

Delay harvest urtil 30 days after treatment.

BROADCAST RATE PER TREATED ACRE

1/2 pint (1/2 lb ai)

SMALL GRAINS (WHEAT, BARLEY, AND OATS) NOT UNDERSEEDED TO LEGUMES

IMPORTANT: Observe all PRECAUTIONS. Read and follow CLEANING, MIXING AND APPLICATION instructions. If small grains are used for pasture or hay, the following restrictions apply:

- Animals cannot be removed from treated area for slaughter prior to 30 days after last application.
- There is no waiting period between treatment and grazing for non-lactating dairy animals.
- Treated areas may not be grazed by lactating dairy animals before 7 days after treatment.
- Do not harvest hay from treated areas before 37 days after treatment.

NOTE Observe all precautions and restrictions on the labels of products used in tank mix treatments.

WEEDS CONTROLLED

BANVEL® herbicide or combinations with listed tank mix partners will provide control or suppression of the ANNUAL broadleaf weeds listed below. For improved control of listed weeds, it is recommended that BANVEL be applied in a tank mix with other herbicides. Refer to specific crop for tank mix options.

Alkanet ¹ Bedstraw, Catchweed ¹ Bindweed, Field ² Mustard, Treacle 1 Mustard, Tumble (Jim Hill) 1 Mustard, Wild 1 Buckwheat, Tartary Nightshade, Black Buckwheat, Wild Nightshade, Cutleaf ¹ Nightshade, Silverleaf ² Carpetweed 1 Chamomile, Corn (White Horsenettle) Chervil Bur Pennycress, Field (Fanweed, Chickweed, Common 1 Frenchweed Stinkweed Pepperweed, Peppergrass 1 Cockle, Corn Cockle, Cow Pigweed, Redroot Cocklebur, Common Cornflower (Bachelorbutton) 1 (Carelessweed) Pigweed, Rough Dandelion, Common 2 Pigweed, Tumble Dock, Curly 2 Pineappleweed 1 Dragonhead, American 1 Plantain, Broadleaf 2 Evening Primrose, Cutleaf 1 Poppy, Red Horned 1 Falseflax, Smallseeded 1 Puncturevine 1 Fiddleneck (Tarweed) 1 Purslane, Common 1 Radish, Wild 1 Flixweed Fumiliary Ragweed, Common 1 Gromwell, Corn 1 Ragweed, Giant (Buffaloweed) 1 Groundsel, Common 1 Rocket, London Hempnettle 1 Rocket, Yellow 1 Henbit Salsify (Goatsbeard) lacob's Looder Shepherdspurse 1 Smartweed, Green Smartweed, Pennsylvania Knawel (German Moss) Knotweed, Prostrate Kochia Sorrel, Red (Sheep Sorrel) 1 Ladysthumb Sowthistle, Annual Lambsquarters, Common Starthistle, Yellow 1 Lettuce, Miners Sunflower, Common (Wild) Lettuce, Prickly Thistle, Canada 2 Mallow, Common Thistle, Russian Mayweed, Chamomile (Dogfennel) Velvetleaf Mustard, Blue (Purple) Vetch 1 Mustard, Tansy Yarrow, Common 2

These weeds will be controlled with BANVEL tank mixtures.

Refer to tank mix label for specific weeds controlled.

BANVEL tank mixes will provide suppression of established broadleaf weeds and control of their seedlings.

RATES AND TIMINGS

Application of BANVEL may be made before, during or after planting of small grains. For best performance, make applications when weeds are in the 2 to 3 leaf stage and rosettes are less than 2 inches across. Application of BANVEL to small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not reduce crop yields.

Use BANVEL at 2 to 4 fluid ounces per treated acre in wheat, fall seeded barley, and oats, and at 2 to 3 fluid ounces per treated acre in spring seeded barley. Use the higher level of listed rate ranges when treating difficult to control weeds such as kochia, wild buckwheat, cow cockle, prostrate knotweed, Russian thistle, and prickly lettuce or when dense vegetative growth occurs.

BANVEL used in a tank mix with other herbicides offers the best spectrum of weed control and herbicide tolerant or resistant weed management. Refer to specific crop for BANVEL rate and application timing.

For applications prior to the emergence of weeds or when sulfonylurea resistant weeds are present or suspected, use a minimum of 3 fluid ounces per treated agre of BANVEL with a tank mix herbicide. Non-sulfonylurea herbicides such as 2,4-D or MCPA tank mixed with BANVEL will offer more consistent control of sulfonylurea resistant weeds.

When tank mixing with sulfonylurea herbicides, such as Ally[®], Amber[®], Express[®], Finesse[®], Glean[®], and Harmony[®] Extra use an agriculturally approved surfactant of at least 80% active ingredient at the rate

of 1 to 4 pints/100 gallons of spray or not more than 0.25 to 0.5% by volume. Use the highest rate of surfactant when using the lower rate ranges of the tank mix and/or when treating more mature and difficult to control weeds or dense vegetative growth.

FALL AND SPRING SEEDED WHEAT

BANVEL MUST BE APPLIED TO FALL SEEDED WHEAT PRIOR TO THE JOINTING STAGE, APPLICATIONS TO SPRING SEEDED WHEAT MUST BE MADE BEFORE WHEAT REACHES THE 6 LEAF STAGE.

TANK MIX TREATMENTS

BANVEL may be tank mixed with one or more of the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled, and geographic and other restrictions.

BROADCAST RATE PER TREATED ACRE

1 Apply 2 to 4 fluid ounces BANVEL® Herbicide with:

Product	Active Ingredient	Formulation	Amount of Product Per Acre
2,4-D	2,4-D	4.0 lb/gal	8.0-12.0 fl oz
amine or ester	•		(.25 - 375 lb ai/A) ²
MCPA	MCPA	4.0 lb/gal	8.0-12.0 fl oz
amine or ester			(.25375 lb ai/A) ²
Aily™	metsulfuron-methyl	60% DF	1/10 oz
Amber•	triasulturon	75% DF	0.28 oz
Express*	thifensulfuron +	75% DF	1/6 oz •
	tribenuron-methyl		
Finesse*	chlorsulfuron +	75% DF	1/3 oz
	metsulfuron-methyl		
Glean*	chlorsulfuron	75% DF	1/6 oz
Harmory* Extra	thifensulfuron +	75% DF	1/3 oz
	tribenuron-methyl		
Buctril*	bromoxynil ³	2.0 lb/gal	1.0-1.5 pt
Bronat e ₫	promoxynil + MCPA	4.0 lb/gal	1.0-2.0 pt
Curtail*	clopyralid + 2,4D	2.38 lb/gal	2.0-2 ² /3 pt
Stinger	clopyralid	3.0 lb/gal	1/4 - 1/3 pt
Karmex [®] 4	diuron ³	80% DF	⅓2 -1.5 lb
Sencor® 4	metribuzin ³	75% DF	1.0-10.0 oz
Dakota ^{n s}	roxapropethyl + MCPA	3.1 lb/gal	16.0 oz
Tiller® 5	fenoxaprop-ethyl +	2.7 lb/gal	1.0 - 1.7 pt
	MCPA + 2,4D		

Early developing wheat varieties such as TAM 107, MADISON, or WAKEFIELD must receive application between early tillering and the jointing stage. Care should be taken in staging these varieties to be certain that the application occurs prior to the jointing stage.

When using formulations other than 4 lb/gal use pounds active/acre listed.

3 Herbicides with the same active ingredient and/or different formulations may be used.

4 Tank mixtures for fall seeded wheat only.

5 Use 2 fluid ounces of BANVEL only. Do not use if wild outs is the target weed. Do not use BANVEL as a tank mix treatment with Dakota or Tiller on Durum wheat.

SPECIAL USE TANK MIXES FOR SPRING AND FALL SEEDED WHEAT (SEE FOOTNOTES FOR APPLICABLE USES)

Apply 3 to 41 fluid ounces BANVEL with:

Product ²	Active Ingredient	Formulation	Amount of Product Per Acre
2,4-D or MCPA amine	2,4D or MCPA	4.0 lb/gal	1.0 - 2.0 pt ³ (.5 - 1.0 lb ai/A)4

2,4D or MOPA ester	2,4D or MCPA	40 lb/gal	1.0 - 1.5 pt ³ (.575 lb ai/A)4
Ally	metsulfuronmethyl	60%DF	1/20 -1/10 OZ
Amber	triasulfuron	75%DF	0.14 - 0.28 oz
Express	thifensulfuron +	75%DF	1/12 - 1/6 oz
	tribenuron-methyl		7.4 7002
finesse	chlorsulturon +	75%DF	1/6 - 1/3 oz
	metsulfuron-methyl		, - ,
Glean	chlorsulfuron	75%DF	1/5 oz
Harmony Extra	thifensulfuron +	75%DF	1/s - 1/3 oz
	tr.benuron-methyl		, , ,
Ally + 2, ± D	metsulfuron-	60%DF +	1/20 - 1/10 oz +
comine or ester ⁵	methyl +2, 4-D	4 0 lb/gal	8.0 fl oz
Amber + 2,40	triasulturon +	75%DF +	0.14 oz - 0.28 oz
amine or ester5	2, 4Đ	4 O lb/gal	8.0 fl oz
Express + 2, 4-D	(thitensulturon +	75%DF +	1/12 - 1/6 OZ +
amine or ester ⁵	ribenuron-	4 0 lb/gal	8.0 fl oz
	methyl) + 2, 4-D		
Finesse + 2, 4D	(chlorsulfuron +	75%DF +	1/6 - 1/3 oz +
amine or ester5		40 lb/gal	8.0 fl oz
	methyl) + 2, 4-D	7 0 107 901	0.01102
Glean + 2, 4D	င်္ဘါorsulfuron +	75%DF +	1/6 OZ +
amine or ester5		4.0 lb/gal	8.0 fl oz
Harmon Extra +		75%DF +	1/6 - 1/3 oz +
2,4-D amine	tribenuron-	4 0 lb/gal	8.0 fl oz
or ester:	methyl) + 2, 4-D	, 5 107 ggi	5.5 H 0 <u>2</u>
Roundup RTS	glyphosate	3 0 lb/gal	12.0 - 16.0 fl oz

1 BANVEL may be used at 6 fluid ounces on fall seeded wheat in Western Oregon as a spring application only. In CO, KS, NM, OK and TX up to 8 fluid ounces of BANVEL may be applied on fall seeded wheat after it exceeds the 3 leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. BANVEL may be tank mixed with 2,4-D amine at 8 fluid ounces after wheat begins to tiller. 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.

Do not use low rates of suffonylurea herbicides, such as Ally, Amber, Express, Finesse, Glean, and Harmony Extra on more mature weeds and/or on dense vegetative growth.

Note: For use on Fall Seeded Wheat Only, Do Not Use unless potential crop injury will be acceptable.

When using formulations other than 4 lb/gal use pounds active/acre listed,

Use for improved control of Russian thistle, flixweed,

gromwell, mayweed, and fiddleneck.

BANVEL may be applied at 2 fluid ounces with Roundup RT or any glyphosate formulation labeled for use as a preplant application to small grains with no waiting period prior to planting. Read and follow label directions of the tank mix product for adjuvant use recommendations.

FALL SEEDED BARLEY

BANVEL MUST BE APPLIED TO FALL SEEDED BARLEY PRIOR TO THE JOINTING STAGE.

Note: For spring barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring seeded barley.

TANK MIX TREATMENTS

BANVEL may be tank mixed with one or more of the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

BROADCAST RATE PER TREATED ACRE

Apply 2 to 4 fluid ounces BANVEL® herbicide with:

Amount of Product1 Active Ingredient Formulation Product Per Acre

2,4D amine	2,4D	40 lb/gal	8.0 fl oz
or ester			$(0.25 \text{ lb ai/A})^2$
MCPA amine	MCPA	4 0 lb/gal	8.0-12.0 fl oz
or ester			[0.25-0.375 lb ai/A]
Al! Ø	metsulfuron-methy-1	60%DF	1/20 - 1/10 OZ
• ®r	triasulfuron	75%DF	0.14 - 0.28 oz
Pr De	thifensulfuran +	75%DF	1/12 - 1/6 oz
<i></i>	tribenuron-methy:		, ,
f∴esse®	chlorsulfuron +	75%DF	1/6 - 1/3 oz
	metsulfuron-methy-l		, ,
G tan®	chlorsulfuron	75%DF	1/5 oz
Harmony® Extr	a thifensulfuron +	75%DF	1/6 - 1/3 oz
•	tribenuron-methy:		
Sencor®	metribuzin ³	75%DF	1,0 - 10.0 oz
Biomil®	bromoxynil	2.0 lb/gal	1.0 -1 1/2 pt
Bronate®	bromoxynil + MCPA	±0 lb/gal	$3/4 \cdot 1^{1/2}$ pt

Do not use low rates of sulfonylureas (Ally, Amber, Express, Finesse, Glean, and Harmony Extra) on more mature weeds and/or on dense vegetative growth.

When using formulations other than 4 lb/gal use pounds active/acre listed.

3 Herbicides with the same active ingredient and/or different formulations may be used.

SPRING SEEDED BARLEY

BANVEL MUST BE APPLIED BEFORE SPRING SEEDED BARLEY EXCEEDS THE 4 LEAF STAGE.

NK MIX TREATMENTS

BANVEL may be tank mixed with one or more of the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

BROADCAST RATE PER TREATED ACRE

Apply 2 to 3 fluid ounces BANVEL with:

rroduct)	Active Ingredient	Formulation	Amount of Product Per Acre
MCPA amine or ester	MCPA	4.0 lb/gal	8.0 -12.0 fl oz (.25375 lb ai/A)²
Ally	metsulfuronmethyl	6 0% DF	1/20 - 1/10 OZ
Amber	triasulfuran	75%DF	0.14 - 0.28 oz
Express	thitensulfuron +	75%DF	1/12 - 1/6 OZ
Finesse	tribenuron-methyl chlorsulfuron + metsulfuron-methyl	75%DF	`/6 - 1/3 oz
Glean	chlorsulfur an	75%DF	1/6 OZ
) ermony Extra	thifensulfuron + tribenuronmethyl	75%DF	1/6 - 1/3 oz
Sencor	metribuzin ³	75%DF	1.0-10.0 oz
Buctril	bromoxynil	2.0 lb/gal	1.0-11/2 pt
Bronate	bromoxynil + MCPA	4.0 lb/gal	3/4 - 11/2 pt

Do not use low rates of sulfonylureas (Ally, Amber, Express, Finesse, Glean, and Harmony Extra) on more mature weeds and/or on dense vegetative growth.

When using formulations other than 4 lb/gal use pounds active/acre listed.

3 Herbicides with the same active ingredient and/or different formulations may be used.

FALL AND SPRING SEEDED OATS

BANVEL MUST BE APPLIED BEFORE SPRING SEEDED OATS EXCEED THE 5 LEAF STAGE. APPLICATIONS TO FALL SEEDED OATS MUST BE MADE PRIOR TO THE JOINTING STAGE.

JANK MIX TREATMENTS

following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

BROADCAST RATE PER TREATED ACRE Apply 2 to 4 fluid ounces BANVEL with:

Product	Active Ingredient	Formulation	Amount of Product Per Acre
MCPA armine or ester	MCPA	4.0 lb/gal	8.012.0 fl oz [.25375 lb gi/All

When using formulations other than 4 lb/gal use pounds active/acre listed.

SUGARCANE

Observe all PRECAUTIONS. Read and follow MIXING AND APPLICATION instructions. Consult your local or state authorities for possible application restrictions, especially concerning aerial applications and advice concerning special local use situations.

WEEDS CONTROLLED

BANVEL, when applied at recommended rates, will control many ANNUAL, BIENNIAL, and PERENNIAL broadleaf weeds commonly found in sugarcane. (Refer to GENERAL WEED LIST).

RATES AND TIMINGS

Application of BANVEL may be made any time after weeds have emerged and are actively growing but before the close-in stage of sugarcane. Application rates and timings of BANVEL are given below. Use the higher level of listed rate ranges when treating dense vegetative growth.

Weed Stage and Type	Amount Product	Broadcast Rate pe Treated Acre To ai	
Annual			
Small, actively growing	1/2 - 1.0 pt	1/4-1/2	
Established weed growth	1.0-11/2 pt	$\frac{1}{2} - \frac{3}{4}$	
Bienniał	1.0-2.0 pt	$\frac{1}{2}$ - 1.0	
Perennial	2.0-4.0 pt	1.0-2.0*	

* Application made over the top of actively growing sugarcane may result in crop injury.

When possible, direct the spray beneath the sugarcane canopy in order to minimize the likelihood of crop injury. The use of directed sprays will also aid in maximizing spray coverage of weed foliage.

Retreatments may be made as needed; however, do not exceed a total of 4 pints (2 lb ai) of BANVEL per treated acre during a growing season.

TANK MIX TREATMENTS

BANVEL® herbicide may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, weeds controlled, and geographic and other restrictions.

Treated Acre (lb ai)
2/5 - 8.0 2.0 - 3 ¹ /3 2/5 - 4.0 1/2 - 3.0*

* Application of BANVEL plus 2,4D tank mix at the higher listed rate ranges may result in crop injury.

PASTURE, HAY, RANGELAND, AND

GENERAL FARMSTEAD (NON-CROPLAND)

BANVEL is recommended for use on pasture, hay, rangeland, and general farmstead (non-cropland) (including fence rows and non-irrigation ditchbanks) for broadleaf weed and brush control. BANVEL may also be applied to non-cropland areas for the control of broadleaf weeds in Noxious Weed Control Programs, Districts or Areas including broadcast or spot treatment of roadsides and highways, utilities, railroad, and pipeline rights-of-way. Noxious weeds must be recognized at the state level but programs may be administered at state, county, or other level. Observe all PRECAUTIONS. Read and follow MIXING AND APPLICATION instructions.

BANVEL uses described in this section also pertain to small grains (forage sorghum, rye, sudangrass, or wheat) grown for pasture use only. Do not apply greater than 1 pint/A (0.5 lb ai/A) to small grains arown for pasture.

grown for pasture.
NEWLY SEEDED AREAS may be severely injured if rates are greater than 1 pint/A.

ESTABL SHED GRASS CROPS growing under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass, carpetgrass, buffalograss, and St. Augustine grass may be injured at rates exceeding 1 pint BANVEL (1/2 1b ai) per treated acre. Usually colonial bentgrasses are more tolerant than creeping types. Velvetgrasses are most easily injured. Treatments will kill or injure difalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

TIMING RESTRICTIONS FOR LACTATING DAIRY ANIMALS FOLLOWING TREATMENT

BANVE, Rate per Treated Acre	Days Before Grazing	Days Before Hay Harvest
Up to $\frac{1}{2}$ sint $(\frac{1}{2}/2)$ is all	7 days	37 days
Up to "quart (1 lb ai)	21 days	51 days
Up to 2 growts (2 lb gi)	40 days	70 days

Note: Observe all precautions and restrictions on labels of products used in tank mixtures.

MIXING AND APPLICATION

BANVEL can be applied using water, oil in water emulsions including invert systems, or sprayable fluid fertilizer as a carrier. A COMPATIBILITY TEST (see COMPATIBILITY TEST section) should be made prior to tank mixing.

To prepare oil in water emulsions, half-fill spray tank with water, then add the appropriate amount of emulsifier. With continuous agitation, slowly add the herbicide and then the oil (such as diesel oil or fuel oil) or a premix of oil plus additional emulsifier to spray tank. Complete filling of spray tank with water. Maintain vigorous agitation during spray operation to prevent oil and water from forming separate layers.

BANVEL may be applied broadcast using either ground or aerial application equipment. When using ground equipment, apply 3 to 600 gallons of diluted spray per treated acre. Volume of spray applied will depend on the height, density, and type of weeds or brush being treated and on the type of equipment being used. When using aerial equipment apply 2 to 40 gallons of diluted spray per treated acre in a

water-based carrier.

BANVEL may be applied to individual clumps or small areas (SPOT TREATMENT) 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. Herbicide adjuvants or other spray additives (emulsifiers, surfactants, wetting agents, drift control agents, or penetrants) may be used for wetting, penetration, or drift control. Spray additives must be agriculturally approved when used in pasture applications. If spray additives are used, read and follow all use recommendations and precautions on product label.

WEDS CONTROLLED

BANVEL, when applied at recommended rates, will give control of many ANNUAL, BIENNIAL, and PERENNIAL broadleaf weeds, and many WOODY brush and vine species commonly found in pasture, hay, rangeland, and general farmstead (non-cropland) areas. (Refer to GENERAL WEED LIST.) Noted (*) PERENNIAL weeds may be controlled with lower rates of either BANVEL or BANVEL plus 2,4-D. See the following RATES AND TIMINGS section.

RATES AND TIMINGS

Application rates and timing of BANVEL are given on the following page. Use the higher level of listed rate ranges when treating dense or tall vegetative growth.

Weed Stage & Type	Amount Product	Broadcast rate per and treated acre (1b ai)
Annual		
Small, actively growing	1/2 -1.0 pt	1/4 -1/2
Established weed growth	1.0-11/2 pt	1/2.3/4
<u>Biennial</u> i		
Rosette diameter		
Less than 3 inches	1/2 -1.0 pt	1/4-1/2
3 inches or more	1.C-2.0 pt	1/2 -1.0
Bolting	2.0-3.0 pt	1.0-11/2
Perennial		,,,
Suppression or top		
growth control	$\frac{1}{2}$ -1.0 at	1/2 -1.0
Noted (▼) perennials	1.0-2.0 at	1.0-2.0*
Other perennials	2.0 at	2.0*
Woody Brush & Vines	2.0 4	2.0
Top growth suppression	1/2 -1.0 at	1/2 -1.0
Top growth control 2	1.0-2.0 gt	1.0-2.0*
Stems and stem suppression	2.0 qt	2.0*

- ¹ For best performance, make application when Biennial weeds are in the rosette stage.
- Species noted in GENERAL WEED LIST will require tank mixtures for adequate control.
- * Rates above 2.0 lb ai/A are apot treatments only.

 Do not broadcast apply more than 1 lb ai/A.

Retreatments may be made as needed; however, do not exceed a total of 2 quarts (2 lb ai) of BANVEL® Herbicide per treated acre during a growing season.

TANK MIX TREATMENTS

READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES, AND OTHER RESTRICTIONS. BANVEL may be tank mixed with one or more of the following herbicides for control of grasses, additional broadleaf weeds, and

woody brush and vines.

	Herbicide	Rates per treated acre (lb ai)
)	Pasture, hay, rangeland, and general farmstead (non-cropland) use: glyphosate (Roundup*) metsulfuron methyl (Ally) paraquat (Gramoxone) picloram (Tordon*) triclopyr (Garlon®) 2,4-D	3/4 - 33/4 0.0038 to 0.011 1/2 - 1.0 1/8 - 3.0 3/4 - 9.0 1/4 - 6.0

Due to the variations that may occur in formulated products and specific use ingredients (e.g., water supplies), a COMPATIBILITY TEST (see COMPATIBILITY TEST) is recommended prior to actual tank mixing.

CUT SURFACE TREE TREATMENTS

BANVEL may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees. A mix of 1 part BANVEL with 1 to 3 parts water should be used in application. Use the lower dilution when treating difficult-to-control species. FRILL OR GIRDLE TREATMENTS: Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint cut surface with the BANVEL/water mix.

STUMP TREATMENTS: Spray or paint freshly cut surface with the water mix. The area adjacent to the bark should be thoroughly wet.

Note: For more rapid foliar effects, 2,4-D may be added to the BANVEL/water mix.

DORMANT APPLICATIONS FOR CONTROL OF MULTIFLORA ROSE

BANVEL can be applied when plants are dormant as an undiluted SPOT-CONCENTRATE directly to the soil or as a LO-OIL BASAL BARK treatment using an oilwater emulsion solution.

should be applied directly to the soil as close as possible to the root crown but within 6 to 8 inches of the crown. On sloping terrain, application should be made to the uphill side of the crown. Do not make application when snow or water prevents applying BANVEL directly to the soil. The use rate of BANVEL is dependent on the canopy diameter of the multiflora rose. Examples: Use BANVEL at 1/4, 1.0, or 21/4 fluid ounces of product respectively, for 5, 10, or 15 feet canopy diameters. Do not exceed a total of 2 qt BANVEL per acre per year.

LO-OIL BASAL BARK applications of BANVEL should be applied to the basal stem region from the ground line up to a height of 12 to 18 inches. Spray until runoff, with special emphasis on covering the root crown. For best results, make application when plants are dormant. Do not make application after bud break or when plants are showing signs of active growth. Do not make application when snow or water prevents applying BANVEL to the ground line. Refer to MIXING AND APPLICATIONS above in this section for method of preparing oil-in-water emulsion. Example for making approximately 2 gallons of a LO-OIL spray solution mixture: combine 1½ gallons water plus 1 ounce emulsifier plus 1 pint BANVEL plus 2½ pints of No. 2 diesel fuel. Adjust amounts of materials used

proportionately to the amount of final spray solution desired. Do not exceed 8 gallons of spray solution mix applied per acre per year.

CONSERVATION RESERVE PROGRAM (CRP) ACRE

BANVEL is recommended for use on both newly seeded and established grasses grown in Conservation Reserve or Federal Set-A-Side Programs. Observe all PRECAUTIONS, MIXING AND APPLICATION directions.

BANVEL treatment will injure or may kill alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

Agriculturally approved surfactants may be added to the spray mixture to improve postemergence weed control, particularly in dry growing conditions.

Do not use adjuvants containing penetrants such as petroleum-based oils after grass emergence on newly seeded grasses.

NEWLY SEEDED AREAS

BANVEL® herbicide may be applied either preplant or postemergence to newly seeded grasses or small grains such as barley, oats, rye, sudangrass, wheat, or other grain species grown as a cover crop. Postemergence applications may be made after seedling grasses exceed the 3 leaf stage. Rates of BANVEL greater than 1 pint per treated acre may severely injure newly seeded grasses. Preplant applications - injury to new seedings may occur if intervals between application and grass planting is less than 45 days per pint of BANVEL per treated acre west of the Mississippi River or 20 days per pint east of the Mississippi River.

ESTABLISHED GRASS STANDS

Established grass stands are perennial grasses planted one or more seasons prior to treatment. Certain species: bentgrass, carpetgrass, smooth brome, buffalograss or St. Augustine grass may be injured when treated with BANVEL at rates exceeding 1 pint per treated age.

WEEDS CONTROLLED

BANVEL, when applied at recommended rates, will control many ANNUAL and BIENNIAL weeds and provide control or suppression of many perennial weeds. (Refer to GENERAL WEED LIST)

RATES AND TIMINGS

Application rates and timing of BANVEL treatment are given on the column. Use the higher rate of the rate range when vegetation is either dense or tall, or when weeds are growing under stressed conditions such as drought or cool temperature.

Weed Type* & Stage	Broadcast Rate Per Treated Acre Amount of Equivalen Formulated BANVEL Ib ai		
	- pints -		
Annuals Small actively growing Established weed growth Biennials**	1/4 - 1.0 1.0	1/8 - 1/2	
Rosette diameter a) less than 3 inches b) 3 inches or greater c) bolting biennial	1/2 - 1.0 1.0 - 2.0 2.0 - 3.0	1/4 - 1/2 1/2 - 1.0 1.0 - 1 ¹ /2	

2.0 - 4.0

1.0 - 2.0

* For best results, treat Biennial weeds with BANVEL when they are in the rosette stage of growth. Retreatments may be made as needed; however, DO NOT EXCEED A TOTAL OF 2 QUARTS (2 lb ai) of BANVEL per treated acre during a growing season.

** Biennial and Perennial weeds will require follow-up (sequential) treatments for seedling control and escapes.

TANK MIX TREATMENTS

To control grasses and additional broadleaf weeds, BANVEL may be tank mixed with other herbicides registered for use in Conservation Reserve Programs such as 2,4-D, glyphosate (Roundup), paraquat (Gramoxone), metsulfuron (Ally) and others.

READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES, AND OTHER RESTRICTIONS.

ASPARAGUS

For Use Only in the States of California, Oregon and Washington

Coserve all PRECAUTIONS, Read and follow MIXING AND APPLICATION instructions.

If spray contacts emerged spears, crooking (twisting) of some spears may result. If such crooking occurs, discard affected spears.

Do not harvest prior to 24 hours after treatment. Do not use in the Coachella Valley of California.

Multiple applications may be made per growing season. Do not exceed a total of 1 pint of BANVEL per treated acre per crop year.

RATES AND TIMINGS

Apply BANVEL to emerged and actively growing weeds in 40 to 60 gallons of diluted spray per treated agre immediately after cutting the field, but at least 24 hours before the next cutting.

Weeds	Rate Per Treated Acre
Mustard, Black Pigweed, Redroot (Carelessweed) Sowttistle, Annual * Thistle, Canada Thistle, Russian	1/2 - 1.0 pt {1/4 - 1/2 lb ai
* Bindweed, Field Chickweed, Common Goosefoot, Nettleleaf Radish, Wild Thistle, Milk	1.0 pt (1/2 lb ai)

BANVEL may be applied in a tank mixture with either 2,4-D or Roundup herbicide for improved control of noted (*) weeds. Read and follow 2,4-D or Roundup Herbicide PRODUCT LABELING FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES AND TIMINGS, AND OTHER RESTRICTIONS.

TURF AND LAWNS

FOR USE IN GENERAL FARMSTEAD (NON-CROPLAND) AND SOD FARMS IMPORTANT

Observe all PRECAUTIONS, Read and follow MIXING AND APPLICATION instructions.

To avoid injury to newly seeded grasses, application of BANVEL® herbicide should be delayed until after

the second mowing. Furthermore, application rates in excess of 1 pint (½ lb ai) per treated acre may cause noticeable stunting or discoloration of sensitive grass species such as bentgrass, carpetgrass, buffalograss, and St. Augustine grass.

In areas where roots of sensitive plants extend, do not apply in excess of 1/4 pint (1/8 lb ai) of BANVEL per treated acre on coarse textured (sandy-type) soils, or in excess of 1/2 pint (1/4 lb ai) per treated acre on fine textured (clayey-type) soils. Do not make repeat applications in these areas for 30 days and until previous applications of BANVEL have been activated in the soil by rain or irrigation.

WEEDS CONTROLLED

BANVEL, when applied at recommended rates, will give control of many ANNUAL, BIENNIAL, and noted (*) PERENNIAL broadleaf weeds commonly found in turf. BANVEL will also give growth suppression of many other listed PERENNIAL broadleaf weeds and WOODY brush and vine species. (Refer to GENERAL WEED LIST.)

MIXING AND APPLICATION

Apply 30 to 200 gallons of diluted spray per treated acre (3 at to 41/4 gal per 1,000 sq ft), depending on density or height of weeds treated and on the type of equipment used.

RATES AND TIMINGS

Use the higher level of listed rate ranges when treating dense vegetative growth.

0.45570

pints per treated acre	baiper reated agre	teaspoons per 1000 sq ft
1/2 - 1.0	1/4 - 1/2	1.0 - 2 1/4
$1.0 \cdot 1^{1/2}$	1/2-3/4	2 /2 - 3 /2
$\frac{1}{2} - 1.0$	1/4-1/2	1.0 - 2 1/4
1.0 - 2.0	1/2 - 1.0	$2^{1}/4 = 4^{1}/2$
1.0 - 2.0	1/2 - 1.0	21/4-41/2
	1/2 - 1.0 1.0 - 11/2 1/2 - 1.0 1.0 - 2.0	treated page $\frac{1}{2}$ or 1

For best performance, apply when weeds are emerged and actively growing.

Retreatments may be made as needed; however, do not exceed a total of 2 pints (1 lb ai) BANVEL per treated acre during a growing season.

TANK MIX TREATMENTS

READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES AND TIMINGS AND OTHER RESTRICTIONS.

Tank mix treatments of BANVEL may be made with 2,4-D, MCPA, MCPP, or bromoxynil for control of additional weeds listed on the tank mix product label.

Apply 1/5 to 1/2 pint (1/10 - 1/4 lb ai) of BANVEL per treated acre with 1/2 to 11/2 lb acid equivalent of 2,4-D, MCPA, or MCPP, or with 3/8 to 1/2 lb ai of bromoxynil. Use the higher level of the listed rate ranges when treating established weeds. Repeat treatments may be made as needed; however, do not exceed 2 pints (1 lb ai) of BANVEL per treated acre during the growing season.

GRASS SEED CROPS

GRASSES GROWN FOR SEED SUCH AS BERMUDA GRASS, BLUEGRASS, FESCUE, AND RYEGRASS IMPORTANT

Observe all PRECAUTIONS. Read and follow MIXING AND APPLICATION instructions.

Refer to the PASTURE, HAY, RANGELAND, AND GENERAL FARMSTEAD (Non-Cropland) section for possible grazing and feeding restrictions.

Do not use on bentgrass unless possible crop injury can be tolerated.

WEDS CONTROLLED

BANVEL will provide control or suppression of annual broadleaf weeds listed below. For improved control of listed weeds plus additional weeds, it is recommended that BANVEL be applied in a tank mix with other herbicides.

Alfalfa!
Bedstraw, Catchweed
Bindweed, Field
Buttercup, Corn
Buttercup, Creeping
Buttercup, Western Field
Catchfly, Nightflowering
Chamomile, Corn
Chickweed, Common
Chickweed, Mouseear
Clover
Cockle, White
Dock, Broadleaf
Dock, Curly

Hemlock, Poison
Knapweed, Pussian¹
Knawel
Knotweed, Prostrate
Kochia
Ladysthumb
Lambsquarters, Common
Lettice, Prickly
Mayweed [Dagfennel]
Ragwort, Tansy
Sorrel, Red [Sneep Sorrel)
Sowthistle, Annual
Starwart, Little
Thistle, Canada¹

1 Top growth only

RATES AND TIMINGS

Apply 1/2 to 1 pint of BANVEL per reated acre on SEEDLING GRASS after the crop reaches the 3 to 5 leaf stage. Apply up to 2 pints of BANVEL on well-established perennial grass. DO NOT APPLY AFTER THE GRASS SEED CROP BEGINS TO JOINT. For best performance, make applications when weeds are in the 2 to 4 leaf stage and rosettes are less than 2 inches across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative growth.

TANK MIX TREATMENTS

For control of grasses or additional broadleaf weeds, BANVEL® herbicide may be tank mixed with all broadleaf herbicides registered for use in Grass Seed Production. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled, and geographic and other restrictions.

BROADCAST RATE PER TREATED ACRE. Apply 1/2 to 2 pints BANVEL with:

Product	Active ingredient	Formulation	Amount of Product Per Treated Acre
2,4D amine	2,4D	4.0 lb/gal	1.0-4.0 pt
or ester MCPA amine	MCPA	4.0 lb/gal	(.5-2.0 lb ai/A) ¹ 1.0-2.0 pt {.5-1.0 lb ai/A) ¹
Buctril* Curtail* Karmex* Stinger*	bromcxynil² clopyralid + 2,4D diuran² clopyralid	2.0 lb/gal 2.38 lb/gal 80%DF 3.0 lb/gal	1.0-2.0 pt 1 ³ / ₄ -4.0 pt 2.0-4.0 lb 1/ ₄ -1.0 pt

- When using formulations other than 4 lb/gal use pounds active/acre listed.
- ² Herbicides with the same common name and/or different formulations may be used.

ANNUAL GRASS CONTROL

For suppression of ANNUAL GRASS WEEDS such as: Brome, Downy (Cheatgrass)

Brome, Ripgut Fescue, Rattail Windgrass

Apply up to 4 pints of BANVEL per treated acre in the fall or late summer after harvest and burning of established grass seed crops. Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

PREPLANT DIRECTIONS (POST HARVEST/FALLOW/CROP STUBBLE/SET-A-SIDE) FOR BROADLEAF WEED CONTROL BEFORE WHEAT, CORN, SORGHUM, SOYBEANS

IMPORTANT: Observe all precautions. Read and follow mixing and application instructions.

WHEDS CONTROLLED

BANVEL may be applied alone or in tank mix combinations with other herbicides registered for this use. BANVEL can be applied either POST HARVEST in the fall, spring, or summer during the FALLOW period or to CROP STUBBLE/SET-A-SIDE acres. BANVEL, when applied at the recommended rates, will control many ANNUAL broadleaf weeds, see the WEEDS CONTROLLED section under SMALL GRAINS. In addition, BANVEL will control or suppress the following BIENNIAL and PERENNIAL broadleaf weeds:

Alfalfa¹
Artichoke, Jerusalem
Bindweed, Field
Bindweed, Hedge
Blueweed, Texas
Bursage [Bur Ragweed,
Povertyweed, Lakeweed]¹
Dandelion, Common¹
Dock, Curly¹
Dogbane, Hemp
Garlic, Wild ²
Horsenettle, Carolina
Knapweed, Diffuse

Knapweed, Spotted Nightshade, Silver Redvine Smartweed, Swamp Sowthistle, Perennial¹ Spurge, Leafy Thistle, Bull Thistle, Canada ²

Thistle, buil
Thistle, Canada ²
Thistle, Milk
Thistle, Musk
Thistle, Plumeless
Thistle, Scotch
Trumpetcreeper (Buckvine)

PERENNIALS may be controlled using BANVEL at rates lower than those recommended for other listed PERENNIAL weeds. (See RATES AND TIMINGS under this heading).

See the SPECIAL TANK MIX TREATMENTS section under this heading for specific control programs for these weeds.

RATES AND TIMINGS

Apply BANVEL as a broadcast or spot treatment to

emerged and actively growing weeds after crop harvest (post harvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer. Agriculturally approved spray additives, such as surfactants or oils, may be used to enhance spray coverage and the herbicide's penetration of weed foliage. See CROPPING RESTRICTIONS for recommended interval between application and planting to prevent crop injury.

For best performance, make application when ANNUAL weeds are less than 6 inches 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. Most effective control of upright PERENNIAL broadleaf weeds, such as Canada thistle and Jerusalem artichoke, occurs if application is made when the majority of weeds, such as field bindweed and hedge bindweed, are in or beyond the full bloom stage.

Avoid disturbing treated areas following application. Treatments may not kill weeds which develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for BANVEL. For seedling control, a follow-up program or other cultural practices could be instituted. For small grain in-crop uses of BANVEL, see the RATES AND TIMINGS section under the SMALL GRAINS heading for details.

BANVEL RATES PER TREATED ACRE:

Weed Type	Amount of Product Per Treated Acre		
Annual	1/2-1.0 pt [8.0 - 16.0 fl oz]		
Biennial	1.0-2.0 pt [16.0 - 32.0 fl oz]		
Perennial	1.0-4.0 pt (16.0 - 64.0 fl oz)		
Perennial suppression	1.0-2.0 pt (16.0 - 32.0 fl oz)		
Noted [1] perennials	2.0-4.0 pt [32.0 - 64.0 ft oz]		
Other perennials	4,0 pt (64.0 fl oz)		

Retreatments may be made as needed; however, do not exceed a total of 4 pints of BANVEL per treated acre during any given fallow period.

TANK MIX TREATMENTS

BANVEL® herbicide may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, weeds controlled, and geographic or other restrictions.

BANVEL BROADCAST RATE PER TREATED ACRE FOR ANNUAL WEED CONTROL:

Apply 1/4 to 1 pint BANVEL with:

Product	Active Ingredient	Formulation	Amount of Product Per Acre
Aatrex® 4L1	atrazine	4.0 lb/gal	0.5 -6.0 pt
Aatrex® Nine-O®1	atrazine	90%DF	0.5 -3.3 Њ
Ally®2	metsulfuron-methyl	75%DF	0.1 oz
Amber*2	triasulturon	75%DF	0.28-0.35 oz
Bladex® 1	cyanazine	90%DF	2.7-3.6 l b
Cyclone®	paraquat	2.0 lb/gal	1.0-2.0 pt
Fallow Master®	glyphosate + dicamba	1.6 lb/gal	22.0-44.0 fl oz
Finesse®?	chlorsulfuron + metsulfuron-methyl	75%DF	0.2 oz
Gramoxone® Extra	paraquat	2.5 lb/gal	1.5 pt
Kerb [®] 1	pronomide	50-W	0.5 -1 0 Њ
Landmaster® BW	glyphosate + 2,4D	2.4 lb/gal	27.0-54.0 fl oz
Roundup or Roundup RT	glyphosate	3.0 lb/gat	8.0-48.0 fl oz
Sencor® DF1	metribuzin	75%DF	0.5 -1.0 lb
Sencor® 41	metribuzin	4.0 lb/gal	0.75 -1 ¹ /2 pt
2,4·D	2,4D	4.0 lb/gal	1.0-2.0 pt (0.5-1.0 lb ai/A) ³

Tank mixes of BANVEL with these products may be subject to special restrictions. See the product label of the tank mix partner for intended use rates, restrictions, and

other precautions.
When tank mixing with sulfonylurea herbicides refer to the product label for rates and restrictions. Use a surfactant of at least 80% active ingredient at the rate of 1 to 2 quarts/100 gallons of spray or not more than 0.25 to 0.5% by volume. Use the highest rate of surfactant when using the lower rate ranges of the tank mix and/or when treating more mature weeds or dense vegetative growth. Sulfonylurea resistant weeds may not be controlled by tank mixes of BANVEL and a sulfonylurea. Refer to the BANVEL tank mix section for alternative tank mixes.

When using formulations other than 4 lb/gal use pounds

active/acre listed.

BANVEL BROADCAST RATE PER TREATED ACRE FOR BIENNIAL AND PERENNIAL WEED CONTROL:

Apply 1 to 4 pints of BANVEL with:

Product	Active Ingredient	Formulation	Amount of Product Per Acre
Curtail*	clopyralid +2,4-D	2.38 lb/gal	2.0-4.0 pt
2,4-D	2,4-D	4.0 lb/gal	2.0-6.0 pt
			[1.0 - 3.0 lb c /A]
Landmaster* BV	V głyphosate +2,4-D	2.4 lb/gal	54.0 fl cz
Roundup⇒	glyphosate	3.0 lb/gal	1.0-5.0 q ⁴
Roundup RT	glyphosate	3.0 lb/gal	1.0-5.0 ct
Tordon# 22K	picloram	2.0 lb/aal	1/2-1.0 pt

'When using formulations other than 4 lb/gal use pounds active/acre listed.

SPECIAL TANK MIX TREATMENTS

For suppression of PERENNIAL weeds, apply 1/2 to 1 pint of BANVEL with 8 to 16 fluid ounces of Roundup Herbicide or Roundup RT per treated acre.

For wild garlic control, apply 1 pint BANVEL with 3 pints of 2,4-D LV ester (4 lb/gal) per treated acre. Apply when wild garlic is 4 to 8 inches tall.

For Canada thistle control, use BANVEL, BANVEL plus Curtail, or BANVEL plus Roundup Herbicide or Roundup RT tank mix treatments.

Application may be made during fallow periods for control of volunteer barley, bulbous bluegrass, downy brome, jointed goatgrass, common rye, and volunteer wheat when they are actively growing. Use 1 pint BANVEL with 1/2 to 1 lb Kerb 50-W. Fall seeded wheat may be planted 9 months or more after application. For best performance, make application between mid-October and mid-December, prior to soil

During fallow periods, apply BANVEL plus Landmaster BW or Fallow Master Herbicide to give improved control of kochia, wild buckwheat, prickly lettuce, field bindweed, and Canada thistle. Use 1/8 to 1/4 pint of BANVEL plus 22 to 54 fluid ounces of Landmaster BW or Fallow Master Herbicide for annual weed control or 1/4 to 1/2 pint BANVEL plus 22 to 54 fluid ounces of Landmaster BW or Fallow Master Herbicide for perennial weed suppression.

CROPPING RESTRICTIONS

The following recommendations are based on BANVEL use rates up to 4 pints per treated acre. CORN, SORGHUM, and SOYBEANS may be planted in the spring following applications made during the previous year. If less than 1 inch of rainfall occurs between application and the first killing frost, treated areas should be cultivated to allow herbicide to come in contact with moist soil. Cultivation may take place before or immediately after ground thaw.

Soybean injury may occur if the interval between application and planting is less than specified. In areas with greater than 30 inches of rainfall, delay planting for 30 days per pint of BANVEL per treated acre. In areas with less than 30 inches of rainfall, delay planting for 45 days per pint of BANVEL per treated agre. Exclude days when ground is frozen.

WHEAT may be planted in the fall or spring following applications. Also, spot applications may be made any time prior to crop emergence if grop injury can be tolerated in treated areas. Wheat injury may occur if the interval between application and planting is less

than specified.

East of the Mississippi River, the interval is 20 days per pint of BANVEL per treated acre or 1.25 days per 1 ounce. Moisture is essential for BANVEL degradation. Exclude days when ground is frozen.

West of the Mississippi River, the interval is 45 days per pint of BANVEL per treated agre or 3 days per ounce. Moisture is essential for BANVEL degradation.

Exclude days when ground is frozen.

Following a normal harvest of barley, oats, or wheat, any rotational crop may be planted. If the interval before harvest is shortened, such as when cover crops will be plowed under, do not follow up with the planting of a sensitive crop.

CONTROL OF PERENNIAL BROADLEAF WEEDS IN CROPLAND (SPOT APPLICATION ONLY)

FOR USE ONLY IN THE STATES OF IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON. IMPORTANT: Observe all PRECAUTIONS. Read and follow MIXING AND APPLICATION instructions. Do not treat subirrigated cropland or areas where the soil remains saturated with water throughout the year. Make only one application of BANVEL® herbicide per year.

WEEDS CONTROLLED

BANVEL, when applied at recommended rates, will control many broadleaf weeds including:

Bindweed, Field

Dock, Broadleaf (Bitterdock)

Dock, Curly Knapweed, Black

Knapweed, Russian Rogwort, Tansy Spurge, Leafy Thistle, Canada

RATES AND TIMINGS

BANVEL may be applied at any time following a crop harvest to stubble fallow or other cropland. Application should be made when weeds are actively growing and prior to a killing frost.

Apply 2 at (2 lb ai) of BANVEL per treated acre. Application may be made up to one month prior to the planting of wheat.

Note: Do not use unless injury to wheat or rotated

barley will be acceptable.

Barley, oats, corn, sorghum (milo), annual or perennial grass crops may be planted into treated areas one year after application. Crops grown for seed (other than perennial grass seed) should not be planted into treated areas until three years after application. Do not

plant broadleaf crops such as alfalfa, beans, peas, potatoes, or sugarbeets into treated areas until two years after application.

In most cases, treatments will not kill perennial weed seedlings which germinate from seed one or two years after treatment. Once the effect of the chemical has been lost, a follow-up program for seedling control or other cultural practices should be instituted.

WIPER APPLICATION USES

IMPORTANT: Observe all PRECAUTIONS.

BANVEL may be applied through wiper application equipment to control or suppress actively growing broadleaf weeds, brush and vines. Use a solution containing 1 part BANVEL to 1 part water. Do not contact desirable vegetation with herbicide solution. Wiper application should only be made to crops (including PASTURES) and NON-CROPLAND AREAS described in this label with the exception of GRAIN SORGHUM (MILO).

STORAGE AND DISPOSAL

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

STORAGE: Store in original container in a wellventilated area separately from fertilizer, feed and foodstuffs. Avoid cross-contamination with other pesticides. Spillage or leakage should be contained and absorbed with clay granules, sawdust, 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.

BULK STORAGE AND DISPOSAL AGITATE BEFORE USE

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

STORAGE: Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to federal and local procedures under Subtitle C of the Resource Conservation and Recovery Act.

BULK TANK MAINTENANCE Follow clean-out directions in the Dealer Bulk Handling Guide for BANVEL® Herbicide listed under Bulk Storage Tank Requirements. GENERAL: Consult federal, state, or local disposal authorities for approved alternative procedures, such as limited burning.

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. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MÁKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASE OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it. subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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