



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (H7505C)
 401 "M" St., S.W.
 Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

51036-307

OCT 13 1998

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:

Conditional

Name of Pesticide Product:

Banvel + Atrazine

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mr. Morris Gaskins
 MICRO-FLO COMPANY
 P. O. Box 5948
 Lakeland, FL 33807

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c) (7) (A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c) (5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 51036-307".
 - b. Correct typos that have been highlighted.
3. Submit one copy of the revised final printed label for the record.

Signature of Approving Official:

Jim Tompkins
 Jim Tompkins, PM-25
 Herbicide Branch
 Registration Division, (7505C)

Date:

10-13-98

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

RESTRICTED USE PESTICIDE
GROUND AND SURFACE WATER CONCERNS

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION. THIS PRODUCT IS A RESTRICTED USE HERBICIDE DUE TO GROUND AND SURFACE WATER CONCERNS. USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUND AND SURFACE WATER.

BANVEL + ATRAZINE

HERBICIDE FOR WEED CONTROL IN CORN,
 GRAIN SORGHUM AND FALLOW SYSTEMS

ACTIVE INGREDIENTS:

Potassium salt of dicamba (3,6-dichloro- <u>o</u> -anistic acid)*	13.42%
Atrazine**	22.23%
INERT INGREDIENTS:	<u>64.35%</u>
TOTAL:	100.00%

*This product contains 11.45% 3,6-dichloro-o-anistic acid (dicamba) which equals 1.1 pounds per gallon (132 g/L) or 0.14 pound per pint.

**This product contains 22.23% 2-chloro-ethylamino-6-isopropyl/amino-s-triazine (atrazine) which equals 2.1 pounds per gallon (252 g/L) or 0.26 pound per pint.

KEEP OUT OF REACH OF CHILDREN

ACCEPTED
 with **COMMENTS**
 In EPA Letter Dated

OCT 13 1998

CAUTION

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.
51036-307

EPA Reg. No. 51036-~~app~~. *GNT*

NET CONTENTS: _____

Manufactured For:
 MICRO FLO COMPANY
 P.O. BOX 5948
 LAKELAND, FL 33807

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. 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)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category section chart. Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or viton
- Chemical-resistant footwear plus socks

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or viton
- Chemical-resistant footwear plus socks
- Protective eyewear

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:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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

Keep out of lakes, streams or ponds. This product is toxic to aquatic invertebrates. 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. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Apply this product only as directed on the label. Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes. This product may not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be applied aerially or by ground within 66 feet of the points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or set-back from runoff points must be planted to crop or seeded with grass or other suitable crop.

TILE-TERRACED FIELDS CONTAINING STANDPIPES

To ensure protection of surface water from run-off through standpipes and tile outlets in terraced fields, one of the following options may be used:

- Do not apply this product within 66 feet of standpipes in tile-outletted terraced fields.
- Apply this product to the entire tile-outletted field and immediately incorporate it to a depth of 2-3 inches in the entire tile-outletted terraced field.
- Apply this product to the entire tile-outletted field under a no-till practice only when high crop residue management practices are used. High crop residue management practice is described as a crop management practice where little or no crop residue is removed from the field during or after crop harvest.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of the pesticide application. Unless otherwise directed by registered supplemental labeling, follow the Directions for Use in each crop group section. 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 48 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

1. Coveralls
2. Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or viton
3. Chemical-resistant footwear plus socks

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

Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or higher set-backs) which are different from the label, the more restrictive/protective requirements apply.

GENERAL INFORMATION

BANVEL + ATRAZINE herbicide is intended for control and suppression of annual broadleaf and perennial broadleaf weeds. BANVEL + ATRAZINE may be applied preplant through early postemergence on field corn, seed corn, popcorn and silage corn, early postemergence on grain sorghum, and as a post-harvest treatment in fallow (wheat/fallow/wheat) and eco-fallow (wheat/corn or sorghum/fallow) rotations.

GROUND AND SURFACE WATER ADVISORY

BANVEL + ATRAZINE contains the active ingredient atrazine. Atrazine can leach through soil and has been found to result in contamination of water supplies by way of groundwater. Therefore, growers are advised to avoid use of BANVEL + ATRAZINE in well-drained loamy sand to sandy soils, particularly in areas having high groundwater tables. Consult with your state or county extension agent for alternative recommendations such as BANVEL® Herbicide (BANVEL) alone or in combination with a non-triazine herbicide.

Check valves or anti-siphoning devices must be used on all mixing equipment to prevent back-siphoning into wells or bulk storage tanks. See the STORAGE AND DISPOSAL section at the end of this label regarding proper disposal of excess pesticide, spray mixtures and rinsates.

Do not apply this product through any type of irrigation system. Do not contaminate irrigation ditches or water used for domestic purposes.

MIXING AND APPLICATION

BANVEL + ATRAZINE is a water-dispersible formulation that can be applied in water on corn, sorghum, or fallow. Sprayable fluid fertilizer may be used for preemergence application on corn. Fluid fertilizer may damage corn if applied after corn emergence. If a fluid fertilizer will 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.

Rainfall or irrigation occurring within 4 hours after postemergence applications may reduce the effectiveness of BANVEL + ATRAZINE.

Apply 10 to 50 gallons of diluted spray per treated acre when using ground application equipment, or 2 to 10 gallons of diluted spray per treated acre when using aerial application equipment. Use the higher spray volumes when treating dense or tall vegetation.

BANVEL + ATRAZINE should not be applied during periods of gusty wind or when wind is in excess of 15 mph as uneven spray coverage may occur.

SENSITIVE CROP PRECAUTIONS

BANVEL + ATRAZINE may cause injury to desirable broadleaf plants or trees when contacting their roots, stems or foliage. To avoid potential off-target herbicide movement:

- Do not apply BANVEL + ATRAZINE in the general vicinity of tobacco, tomatoes, or other highly sensitive plants.
- Do not use aerial applications if broadleaf crops are growing in the vicinity of the area to be treated.
- Do not make applications when winds are moving toward sensitive crops, inversions are present, or high temperatures (above 85°F) are expected on the day of application.
- Use nozzles designed to produce large spray droplets such as Delavan Raindrops, Spraying Systems XR flat fans or large capacity flood nozzles such as Delavan D-10, Spraying Systems TK-10-or greater capacity. Use spray pressure of 30 psi or less and 10 gpa or more; unless otherwise required by the manufacturer of drift reducing nozzles.
- An agriculturally approved drift control agent may be added to further reduce the potential of physical drift at the time of application.

Consult your state and local authorities for possible other application restrictions and advice.

TANK MIXING

To ensure a uniform mixture when BANVEL + ATRAZINE is tank mixed with one or more other products, follow this procedure. Fill the spray tank approximately one-third full with water and with the agitator operating, add the recommended amount of ingredients using the following order: dry formulations (e.g., wettable powders, dry flowables) first, and liquid suspensions (e.g., flowables) next. Mix thoroughly and fill the tank to one-half full with continuous agitation. Add emulsifiable concentrate formulations last while maintaining agitation and then complete filling the spray tank with water. If a surfactant is to be used, add it last. If a drift control agent is to be used, follow the directions for mixing on the specific product label.

BAND TREATMENTS

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

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast RATE per treated acre} = \text{Band RATE per treated acre}$$

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast VOLUME per treated acre} = \text{Band VOLUME per treated acre}$$

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 COMPONENT TO ADD TO ONE PINT OF SPRAY CARRIER
(ASSUMING VOLUME IS 25 GALLONS PER ACRE)

<u>COMPONENT FORMULATIONS</u>	<u>RATE PER ACRE</u>	<u>LEVEL TEASPOONS</u>
Dry	1 lb.	1 ½
Liquid	1 pt.	½

If components 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 an agriculturally approved compatibility agent is recommended. Rerun the above COMPATIBILITY TEST with a suitable compatibility agent (1/4 teaspoon per pint is equivalent to 2 pints per 100 gallons of fluid fertilizer).

PROCEDURE FOR CLEANING SPRAY EQUIPMENT

Before preparing spray mixture, be sure all equipment is clean to prevent uneven applications, clogged nozzles or crop injury. Thoroughly clean equipment following applications of BANVEL + ATRAZINE herbicide. Avoid allowing dry sediment formation within spray tank.

The steps listed below are suggested for thorough cleaning of spray equipment following applications of BANVEL + ATRAZINE or tank mixes

of BANVEL + ATRAZINE.

1. Hose down thoroughly the inside as well as outside surfaces of equipment while filling the spray tank half full of water. Preferably, inside surfaces should be rinsed using a multi-directional nozzle such as Spray Systems Tank Rinsing Nozzle 27500E-TEF. Flush by operating sprayer until the system is purged of all rinse water.
2. Fill tank with water while adding a commercially available tank cleaning agent such as Nutra-Sol, Incide-out or Loveland® Tank and Equipment Cleaner. Carefully read and follow tank cleaning agent label directions. Operate the pump to circulate the cleaning solution through the sprayer system for 15 to 20 minutes and discharge a small amount through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
3. Completely flush the cleaning solution out of the spray tank.
4. Remove nozzles and screens. Fill tank with clean water and circulate through the sprayer system for 15 to 20 minutes. Discharge a small amount through boom lines.
5. Completely flush rinse water out of the spray tank.

GENERAL WEED LIST

This is a general list of weed species which may be treated with BANVEL + ATRAZINE as recommended under the RATES AND TIMING sections of specific crop uses listed in this label. BANVEL + ATRAZINE, when applied at recommended rates, will control many ANNUAL broadleaf weeds and give growth suppression of many PERENNIAL broadleaf weeds including:

ANNUALS

Buckwheat, Wild	Pigweed, Redroot (Carelessweed)
Burcucumber	Pigweed, Rough
Chickweed, Common	Pigweed, Smooth
Clover (Annual)	Pigweed (Triazine Resistant)
Cocklebur, Common	Pigweed, Tumble
Cucumber, Wild	Puncturevine
Jimsonweed	Purslane, Common
Kochia	Ragweed, Common
Kochia (Sulfonylurea Resistant)	(Buffaloweed)
Kochia (Triazine Resistant)	Ragweed, Giant
Ladysthumb	Ragweed, Lance-Leaved
Lambsquarter, Common	Sicklepod
Lambsquarters	Sida, Prickly (Teaweed)
(Triazine Resistant)	Smartweed, Green
Mallow, Common	Smartweed, Pennsylvania
Mallow, Venice	Spanishneedles

Mares Tail (Horseweed)
Morningglory, Ivyleaf
Morningglory, Tall
Mustard, Wild
Mustard (Yellowtops)
Nightshade, Black
Pigweed, Prostrate

Spurge, Prostrate
Sunflower, Common (Wild)
Sunflower, Volunteer
Tansymustard
Thistle, Russian
Velvetleaf
Waterhemp

PERENNIALS

Alfalfa
Artichoke, Jerusalem
Bindweed, Field
Bindweed, Hedge
Canada Thistle
Clovers (Perennials)
Dandelion, Common
Dock, Broadleaf (Bitterdock)
Dock, Curly

Doghane, Hemp
Horsenettle, Carolina
Lespedeza
Milkweed, Common
Ragweed, Western
Smartweed, Swamp
Sowthistle
Trumpetereeper
Vetch

ROTATIONAL CROPS

1) In cases of treated crop failure, the area may be replanted to either corn or sorghum during the same cropping season. If corn is replanted, do not apply BANVEL + ATRAZINE or BANVEL® herbicide until after emergence. Consult label of each product for application directions and do not exceed the maximum yearly use rate for BANVEL + ATRAZINE or BANVEL® herbicide. If sorghum is the replanted crop, either BANVEL or BANVEL + ATRAZINE can be used as a postemergence application-follow each label's directions; do not exceed the maximum yearly use rate.

2) If applied after June 10, rotation with crops other than corn or sorghum the following spring, may result in crop injury.

3) In the High Plains and inter-mountain areas of the West, where rainfall is sparse and erratic or where irrigation is required, use only when corn or sorghum is to follow corn or sorghum or when a crop of untreated corn or sorghum is to precede other rotational crops.

4) For soils containing a calcareous surface layer, such as those found in eastern parts of the Dakotas, KS, western MN, NE, injury may occur to soybeans planted the year following application. On soils containing a calcareous surface layer, small grain injury could occur.

5) Small grains may be planted 10 months following treatment. Do not plant sugar beets, tobacco, vegetables (including dry beans), spring-seeded small grains, or small-seeded legumes and grasses the year following application, or injury may occur.

FIELD, SEED*, POPCORN* AND SILAGE CORN

Observe all previously noted precautions, mixing and application instructions as well as the following:

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

BANVEL + ATRAZINE is not registered for use on sweet corn.

Direct contact of BANVEL + ATRAZINE with corn seed must be avoided in preplant or preemergence applications. If corn seeds are less than 1 ½ inches below the soil surface, delay application until corn has emerged.

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

An agriculturally approved surfactant, crop oil or sprayable fluid fertilizer (such as ½ to 1 gallon per acre of 28%, 30%, or 32% urea ammonium nitrate), or ammonium sulfate (2 to 2 ½ lbs. per acre) may be added to spray mix to improve postemergence weed control, particularly on drought stressed weeds.

The use of adjuvants containing penetrants such as petroleum based oils after corn emergence may cause crop injury.

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

A maximum of two applications of BANVEL + ATRAZINE may be made through the 5 leaf stage or 8 inches tall, whichever occurs first. Applications must be separated by two weeks or more. Do not exceed 5 1/4 pints per acre per year (a total of 0.75 pound dicamba and 1.37 pounds atrazine).

BANVEL + ATRAZINE may be applied before or after BANVEL® herbicide. Applications must be separated by two weeks or more. Maximum rate for sequential applications is BANVEL + ATRAZINE at 3 ½ pints per acre followed by BANVEL at ½ pint or BANVEL at 1 pint per acre followed by BANVEL + ATRAZINE at 1 3/4 pints per acre.

To reduce the amount of atrazine used per acre, BANVEL + ATRAZINE at 2 pints per acre may be tank mixed with ½ pint per acre of BANVEL. Do not apply this tank mix on coarse textured soils or any soils with less than 2% organic matter prior to corn emergence.

WEEDS CONTROLLED

BANVEL + ATRAZINE 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 section of this specimen label).

RATES AND TIMINGS

PREPLANT AND PREEMERGENCE IN NO TILLAGE CORN

Applications of BANVEL + ATRAZINE may be made before, during, or after planting for control of emerged and actively growing broadleaf weeds. Apply BANVEL + ATRAZINE at the use rate of 3 ½ pints per acre on medium or fine textured soils containing 2% or greater organic matter. Use 2 pints per acre on coarse soils (sand, loamy sand, and sandy loam) 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 + ATRAZINE after 4 to 6 inches of regrowth has occurred. For added control of dandelion or plantain, 2,4-D at 1/4 to ½ lb. a.i. per acre may be tank mixed with BANVEL + ATRAZINE.

PREEMERGENCE IN CONVENTIONAL OR REDUCED TILLAGE CORN

BANVEL + ATRAZINE may be applied after planting and prior to corn emergence. Application of 3 ½ pints 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, loamy sand, or sandy loam) or any soil with less than 2% organic matter until after corn emergence (see EARLY POSTEMERGENCE uses below).

Preemergence application of BANVEL + ATRAZINE 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, as seed damage could result.

EARLY POSTEMERGENCE (ALL TILLAGE SYSTEMS)

BANVEL + ATRAZINE at 3 ½ pints per treated acre may be applied during the period from corn emergence through the 5 leaf stage or 8 inches tall, whichever occurs first. Reduce the rate to 2 pints per treated acre for corn grown on coarse textured soils (sand, loamy sand, and sandy loam).

OVERLAY (SEQUENTIAL) TREATMENTS

BANVEL + ATRAZINE herbicide may be applied to ground previously

treated with one or more of, but not limited to, the following herbicides registered for use in corn.

Herbicide	Maximum Rate Per Treated Acre (Lb ai)
acetochlor (Surpass [®] , Harness [®] Plus)	3.0
alachlor (Lasso [®])	4.0
atrazine*	*
butylate (Sutan [®] +))	6.0
clopyralid	0.188
cyanazine (Bladex [®])	4.0
dimethenamid (FRONTIER [®])	1 ½
EPTC (Eradicane [®])	6.0
flumetsulam (Broadstrike [®])	0.068
glyphosate (Roundup [®])	5.0
halosulfuron (Battalion [®])	0.094
metolachlor (Dual [®])	3.0
paraquat (Gramoxone [®])	1.0
pendimethalin (Prowl [®])	2.0
propachlor (Ramrod [®])	6.0

*Maximum pounds a.i. per treated acre for atrazine

FOR ALL SOIL APPLICATIONS PRIOR TO CROP EMERGENCE ON HIGHLY ERODIBLE SOILS (AS DEFINED BY THE SCS)

If conservation tillage is practiced, leaving at least 30% of the soil covered with plant residues at planting, the maximum rate is 2 pounds a.i./A.

If the soil coverage with plant residue is less than 30% at planting, a maximum of 1.6 pounds a.i./A can be applied.

ON SOILS NOT HIGHLY ERODIBLE

The maximum rate which can be applied is 2 pounds a.i./A.

FOR POSTEMERGENCE APPLICATION

If no atrazine was applied prior to corn emergence, the maximum rate is 2 pounds a.i./A. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds a.i./A per calendar year. Read and follow the label of each of the above products for precautionary statements, directions for use and other restrictions.

TANK MIX TREATMENTS

BANVEL + ATRAZINE may be applied prior to, during, or after planting, but before the corn exceeds 8 inches tall. BANVEL + ATRAZINE may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds.

When tank mixing BANVEL + ATRAZINE with other products, read the label of each tank mix partner for precautionary statements, directions for use and other restrictions. Also, read the GENERAL INFORMATION TANK MIXING section given earlier in this label.

BANVEL + ATRAZINE PLUS ACCENT®

Application may be made after grass weed emergence but before corn is greater than 8 inches tall. Use 2/3 to 1 1/3 ounces of Accent 75 DF per treated acre. Use a non-ionic surfactant at 0.25% v/v and sprayable fluid fertilizer (such as 28%, 30%, or 32% urea ammonium nitrate) at 4% v/v with this tank mixture.

BANVEL + ATRAZINE PLUS ATRAZINE

Application may be made before corn exceeds 8 inches in height. Consult the maximum poundage of atrazine allowed for maximum rates. For improved suppression of newly emerged annual grasses, crop oil concentrate may be added to this mixture if corn does not exceed 5 inches in height. Do not apply preemergence to peat, muck, and high organic clay soils.

BANVEL + ATRAZINE PLUS BLADEx (Cyanazine)

Application may be made before grasses are 1 1/2 inches tall and the corn is not beyond the four-leaf stage. Use 1 1/4 to 4 lbs. a.i. Bladex per treated acre for preemergence and 1 1/4 to 2 lbs. a.i. for postemergence treatments.

AFTER CORN EMERGENCE, USE ONLY THE BLADEx 90DF FORMULATIONS.

BANVEL + ATRAZINE PLUS DUAL (Metolachlor)

Application may be made until grasses reach the two-leaf stage and before corn is greater than 3 inches tall. Applications prior to crop emergence may only be made on medium to fine textured soils containing ~~2/24~~ or greater organic matter. Use 1 1/2 to *Type 2 1/2* 2 1/2 lbs. a.i. Dual per treated acre.

BANVEL + ATRAZINE PLUS FRONTIER (Dimethenamid)

Apply Frontier at 13 to 25 fluid ounces per acre for preemergence grass control. Applications can be made during or after planting before corn exceeds 8 inches in height. This treatment must be combined with a herbicide that provides post-emergence control of grass weeds if they are greater than 1 inch tall at the time of application.

BANVEL + ATRAZINE PLUS GRAMOXONE (Paraquat)

Application may be made to emerged weeds, but before corn emerges. Use 1/4 to 1 lb a.i. Gramoxone per treated acre.

BANVEL + ATRAZINE PLUS SURPASS OR HARNESS PLUS (Acetochlor)
Apply Harness Plus or Surpass at 1 ½ to 3 pounds a.i. per acre. Applications may be made during or after planting and before corn emergence. Applications may only be made on medium or fine textured soils containing 2 1/2% organic matter or greater.

BANVEL + ATRAZINE PLUS LASSO (Alachlor)
Application may be made until grasses reach the two-leaf stage and before corn is greater than 3 inches tall. Applications prior to crop emergence may only be made to fine textured soils containing 2 1/2% or greater organic matter. Apply 2 ½ to 3 lbs. a.i. Lasso per treated acre.

BANVEL + ATRAZINE PLUS PROWL® (Pendimethalin)
Application may be made after planting and before corn exceeds the two-leaf stage, and grass weeds are no more than one inch tall. Application prior to crop emergence should only be made on medium to fine textured soils containing 2 1/2% or more organic matter. Use 3/4 to 1 ½ lbs. a.i. Prowl per treated acre.

BANVEL + ATRAZINE PLUS ROUNDUP® (Glyphosate)
Application may be made to emerged weeds, but before corn emerges. Use 1 to 3 lbs. a.i. Roundup per treated acre.

BANVEL + ATRAZINE PLUS STINGER® herbicide (Clopyralid)
For annual broadleaf and Canada thistle weed control, applications may be made anytime after corn emergence through 5 leaf or 8 inch tall corn. Apply when the majority of the thistle plants have emerged and are at least 4 inches in height, but before bud stage. Use BANVEL + ATRAZINE herbicide plus 1 ½ to 3 fl oz/A Stinger through 8 inch or 5 leaf corn. Use higher rates listed for stand reduction of larger thistle plants or heavier infestations. Lower rates listed may provide seasonal thistle suppression only.

GRAIN SORGHUM

Observe all previously noted PRECAUTIONS, MIXING AND APPLICATION instructions as well as the following.

Applications of BANVEL + ATRAZINE 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. On coarse soils, injury to sorghum may occur if heavy rain immediately follows application.

Do not apply to furrow planted sorghum until level (plowed in). Make no more than one application of BANVEL + ATRAZINE per growing season.

Postemergence application must be made before sorghum reaches 8 inches in height. Delay harvest until 30 days after treatment.

Do not apply BANVEL + ATRAZINE to sorghum grown for seed production.

Sorghum may be harvested or grazed for feed once the crop has reached the mature grain stage.

WEEDS CONTROLLED

BANVEL + ATRAZINE, when applied at the recommended rates and timings for grain sorghum, will control many ANNUAL broadleaf weeds (e.g., pigweed) and will reduce the competition from established PERENNIAL broadleaf weeds as well as control their seedlings. Consult GENERAL WEED LIST for a complete list of weeds controlled.

For best performance, make application when weeds are small (less than 3 inches tall) and actively growing.

RATES AND TIMINGS

BANVEL + ATRAZINE application in grain sorghum (milo) should be made between the 2 to 5 leaf stage (about 2 to 8 inches tall) of the sorghum.

BROADCAST RATE PER TREATED ACRE: (1 ½ to 2 pints)

Use 1 ½ pints BANVEL + ATRAZINE for control of redroot pigweed that are less than 3 inches tall and are actively growing. Use 2 pints of BANVEL + ATRAZINE for control of all other listed broadleaf weeds.

Do not add crop oil. Do not add surfactant unless possible crop injury is acceptable.

OVERLAY (SEQUENTIAL) TREATMENTS

BANVEL + ATRAZINE may be applied to ground previously treated with the following herbicides:

Herbicide	Maximum rate of listed compound per treated acre lbs. a.i.)
alachlor (Lasso) (Screen [®] -treated seed)	4.0
atrazine*	*
metolachlor (Dual) (Concep [®] -treated seed)	2½
propachlor (Ramrod [®])	5.0

*Maximum pounds a.i. per treated acre for atrazine

FOR ALL SOIL APPLICATIONS PRIOR TO CROP EMERGENCE ON HIGHLY ERODIBLE SOILS (AS DEFINED BY SCS)

If conservation tillage is practiced, leaving at least 30% of the soil covered with plant residues at planting, the maximum rate is 2 pounds a.i./A.

If the soil coverage with plant residue is less than 30% at planting, a maximum of 1.6 pounds a.i./A can be applied.

ON SOILS NOT HIGHLY ERODIBLE

The maximum rate which can be applied is 2 pounds a.i./A.

FOR POSTEMERGENCE APPLICATION

If no atrazine was applied prior to sorghum emergence, the maximum rate is 2 pounds a.i./A. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds a.i./A per calendar year.

TANK MIX-BANVEL + ATRAZINE PLUS ATRAZINE

BANVEL + ATRAZINE may be tank mixed with atrazine for added residual or for grass control in sorghum. Read and follow the label of each product used for precautionary statements, directions for use, rates and timings, and other restrictions.

Use tank mix on medium or fine soils only. Add ½ lb. a.i. atrazine per treated acre for added residual broadleaf weed control. Add 1 ½ lbs. a.i. atrazine per treated acre for control of emerged grasses less than 1 ½ inches tall. Do not add crop oil or surfactant to this combination or crop injury may result. Atrazine carryover may injure small grains and broadleaf crops if the total rate of atrazine exceeds the rate recommended for that specific geographic area or crop rotation.

POST-HARVEST ON FALLOW GROUND

BANVEL + ATRAZINE herbicide may be applied from summer to fall after wheat harvest to fallow ground in wheat/fallow/wheat or wheat/corn or sorghum/fallow (EcoFallow) rotations. Observe all previously noted PRECAUTIONS, MIXING AND APPLICATION instructions, as well as the following:

Do not graze or feed forage from treated areas to livestock.

Do not plant any crop other than those listed on this label within 18 months following treatment.

Agriculturally approved spray adjuvants such as surfactants, crop oil concentrates, or fluid fertilizers are recommended for use with BANVEL + ATRAZINE when applied to emerged weeds.

For Eco-Fallow systems, plant corn or sorghum in spring after

treatment with minimum soil disturbance. Use a surface planter or a planter leaving a shallow furrow. If weeds are present at planting, remove them with a sweep plow or other suitable implement before planting.

WEEDS CONTROLLED

BANVEL + ATRAZINE, when applied at recommended rates and timings for fallow applications, will control many ANNUAL broadleaf weeds and will give growth suppression of many PERENNIAL broadleaf weeds as well as control their seedlings. Refer to the GENERAL WEED LIST in the GENERAL INFORMATION section of this label for a complete list of weeds controlled.

ROTATIONAL CROP PRECAUTIONS

The application rates and timings in this label pertain only to a cropping system of WHEAT/FALLOW/WHEAT (Post-Harvest Fallow) or WHEAT/CORN or SORGHUM/FALLOW (Eco-Fallow). If any other crop is to be substituted for wheat, corn, sorghum or the fallow period, refer to the crop rotation restrictions in the GENERAL INFORMATION section of this label.

To avoid injury to crops planted after application(s) of BANVEL + ATRAZINE, specific restrictions for Post-Harvest fallow or Eco-Fallow application(s) are:

- 1) Use only on silt loam or finer-textured soils.
- 2) Do not treat erodible hillsides, calliche, and rocky outcroppings, or exposed calcareous subsoil.
- 3) Do not treat soils of the Rosebud and Canyon series in Western NE and adjoining Counties in CO and WY.
- 4) Do not treat soils with calcareous surface layers.
- 5) Avoid overlapping spray swaths during treatment application.

WHEAT/FALLOW/WHEAT

BANVEL + ATRAZINE MAY BE USED FOR WHEAT/FALLOW/WHEAT SYSTEMS IN: CO, KS, NE, OK, SD, TX, and WY.

RATES AND TIMINGS

For preemergence or postemergence control or suppression of the weed species listed in this label, apply BANVEL + ATRAZINE at 2 to 3 ½ pints per treated acre as a broadcast treatment. For best performance, make application soon after wheat harvest, prior to or soon after weed emergence. A split application of BANVEL + ATRAZINE may be used, but only in the summer to fall after wheat harvest and may not exceed the maximum labeled rate of 3 ½ pints per treated acre.

WHEAT/CORN OR SORGHUM/FALLOW (ECO-FALLOW)

BANVEL + ATRAZINE MAY BE USED FOR WHEAT/CORN OR SORGHUM/FALLOW (ECO-FALLOW) SYSTEMS IN: CO, KS, NE, OK and TX.

RATES AND TIMINGS

PREEMERGENCE OR POSTEMERGENCE

For control of annual broadleaf or grass weeds following wheat and into the following corn or sorghum crop (when grown under minimum tillage), apply 2 to 11 pints/A of BANVEL + ATRAZINE after wheat harvest. For best performance, make application within 10 days following wheat harvest. Use the higher rates in the rate range for added grass control and longer residual weed control. A split application of BANVEL + ATRAZINE may be used but only in summer to fall after wheat harvest and may not exceed the maximum labeled rate of 11 pints/A (2.8 pounds atrazine/A).

TANK MIX TREATMENTS

POST-HARVEST FALLOW AND ECO-FALLOW

BANVEL + ATRAZINE may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. When tank mixing BANVEL + ATRAZINE with other products, read the label of each tank mix partner for precautionary statements, directions for use and other restrictions.

BANVEL + ATRAZINE PLUS BANVEL® herbicide
BANVEL at 1 pint per treated acre may be tank mixed with BANVEL + ATRAZINE for additional suppression of broadleaf perennial species that are actively growing at the time of application.

BANVEL + ATRAZINE PLUS 2,4-D^{1/2}
2,4-D amine or ester at ~~1/2~~ 1 lb. a.i. per treated acre may be tank mixed with BANVEL + ATRAZINE for improved postemergence burndown of annual or perennial broadleaf weeds. Burndown activity will particularly be enhanced on weeds growing under drought conditions or weeds that have been "topped" during the harvest operation.

BANVEL + ATRAZINE PLUS ROUNDUP® OR ROUNDUP RT® herbicide
Roundup at 1 pint per treated acre may be tank mixed with BANVEL + ATRAZINE for added postemergence control of grass or broadleaf weeds.

BANVEL + ATRAZINE PLUS ATRAZINE
In areas such as Oklahoma and Texas where a higher ratio of atrazine to dicamba is desired, atrazine can be tank mixed with BANVEL + ATRAZINE. Consult the table showing the maximum amount of atrazine that can be applied.

BANVEL + ATRAZINE PLUS LANDMASTER® BW OR LANDMASTER® II herbicide

Landmaster at 27 to 54 ounces product per treated acre may be tank mixed with BANVEL + ATRAZINE® herbicide added for postemergence control of grass and broadleaf weeds.

BANVEL + ATRAZINE PLUS FALLOW MASTER® herbicide
Fallow Master at 32 to 44 ounces product per treated acre may be tank mixed with BANVEL + ATRAZINE for added postemergence control of grass and broadleaf weeds.

BANVEL + ATRAZINE PLUS GRAMOXONE OR CYCLONE® herbicide
Gramoxone or Cyclone may be tank mixed with BANVEL + ATRAZINE for additional postemergence control of grass and broadleaf weeds. Refer to the Gramoxone or Cyclone labels for recommended use rates.

BANVEL + ATRAZINE PLUS SULFONYLUREAS (GLEAN®, ALLY® OR OTHER) herbicides
Apply as a tank mix with BANVEL + ATRAZINE for additional preemergence or postemergence control of broadleaf weeds. Refer to sulfonyleurea (Glean, Ally or others) label for recommended use rates.

BANVEL + ATRAZINE PLUS COMMAND® herbicide
Command at 16 to 32 ounces product per acre may be tank mixed with BANVEL + ATRAZINE for additional preemergence control of grass and broadleaf weeds.

BULK STORAGE AND DISPOSAL

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 Dealer Bulk Handling Guide for BANVEL + ATRAZINE listed under Bulk Storage Tank Requirements.

GENERAL: Consult Federal, state, or local disposal authorities for approved alternative procedures, such as limited burning.

PESTICIDE STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Store in original container in a well-ventilated area separately from fertilizer, feed and foodstuffs. Avoid cross-contamination with other pesticides. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to

Federal, state or local procedures under Subtitle C of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: For Plastic Containers: Triple rinse (or equivalent) and add rinsate to spray tank. Offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 Micro Flo Company ("Micro Flo") or the Seller. All such risks shall be assumed by the Buyer.

Micro Flo 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. MICRO FLO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL MICRO FLO OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. MICRO FLO 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 MICRO FLO.

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