

BEST DOCUMENT AVAILABLE

ELSICOL®

Provel™

LAWN & TURF HERBICIDE

COMMERCIAL OR AGRICULTURAL USE ONLY

(Contains 0.23 lbs. Dicamba and 0.88 lbs.**
2,4-D Per Gallon)

ACTIVE INGREDIENTS:

Dimethylamine Salt of dicamba (3,6-dichloro-p-anoic acid)*	3.1%
Dimethylamine Salts of related acids	6.8%
Dimethylamine Salt of 2,4- dichlorophenoxyacetic acid**	11.9%
INERT INGREDIENTS	84.2%
Total	100.0%

* Equivalent to 2.8% 3,6-dichloro-p-anoic acid
(dicamba) or 0.23 pounds per gallon.

** Equivalent to 8.8% 2,4-dichlorophenoxy-
acetic acid or 0.88 lbs./gallon

** Isomer specific by AOAC method 8.D01-8.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE LEFT PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

VELSICOL CHEMICAL CORPORATION
341 E. OHIO ST., CHICAGO, ILL. 60611

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For use on Lawns, Turf (not pastures) and Golf Fairways, Aprons, Tees and Rough. For the control of burdock, chickweed (mouseear-common-stitchwort), clover, clovers, dandelions, docks, dogfennel, English daisy, Frenchweed, Knotweed (erect-prostrate), ground ivy, hawkweed, heald, henbit, jimsonweed, lambsquarters, mallow, morningglory, mustard, snake, pennywort, peppergrass, pigweed, plantain (buckhorn, broadleaf, Rugel's), poison ivy, poison oak, purslane, ragweed, smartweed, sheep sorrel, spotted spurge, thistle (Canada), wild aster, wild carrot, wild garlic, wild onion, wild radish, wood sorrel, yellow and many other broadleaf weeds, apply 8.4 tablespoons (3.2 fluid ounces) of Provel™ in 1 to 2 gallons of water per 1000 sq. ft. One pint treats 5000 sq. ft. Apply as a foliar spray when weeds are young and actively growing. It may be necessary to make a second application (spring and fall) to kill certain hard-to-kill weeds such as poison ivy, poison oak and English daisy. Weeds that start growing in the fall, such as henbit, may be controlled more effectively with a fall application.

STORAGE AND DISPOSAL

1. PROHIBITIONS

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

2. PESTICIDE DISPOSAL

Pesticide, spray mixture, or residue that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides or treated in a safe place away from water supplies.

3. CONTAINER DISPOSAL

SIZE	CONTAINER
Less than 30 gallons	PLASTIC Triple rinse and dispose in an incinerator or landfill approved for pesticides, or bury in a safe place.
	METAL Triple rinse and offer for recycling, reconditioning or disposal in approved landfill, or bury in a safe place.
30 gallons or larger	METAL OR PLASTIC Rinse container and offer for recycling, reconditioning or disposal in an approved landfill, or bury in a safe place.

4. GENERAL

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

LIMITED WARRANTY AND LIABILITY

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

GENERAL INFORMATION

Atrazine 4L-B Herbicide controls many annual broadleaf and grass weeds in corn and sorghum including barnyardgrass, witchgrass, (*Panicum capillare*), yellow foxtail, green foxtail, wild oats, large (hairy) crabgrass, giant foxtail, velvetleaf, morningglory, lambsquarters, pigweed, ragweed, nightshade, purslane, and mustard. Atrazine 4L-B may be applied before or after weeds emerge.

Apply at the rates given under each crop before or after weeds emerge. Use lower rates on light soils and low organic matter soils. Use higher rates on heavy soils and high organic matter soils.

Atrazine 4L-B acts mainly through root absorption so rainfall or irrigation is needed to move it into the root zone. Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

Avoid using Atrazine 4L-B near adjacent desirable trees, shrubs, or plants, or injury may occur.

Atrazine 4L-B is non-flammable.

APPLICATION PROCEDURES

Atrazine 4L-B, a liquid formulation, should be mixed with water or liquid fertilizer and applied as a spray. Pour Atrazine 4L-B into the tank during or after filling. Hydraulic (jet) or mechanical agitation is recommended during mixing and application to keep the material in suspension. All return lines to the tank must discharge below liquid level and agitation should not be so violent as to cause air bubbles to form in the liquid. Wash sprayer thoroughly after use.

GROUND APPLICATION: Apply Atrazine 4L-B in 5-40 gallons of water per acre to assure even coverage unless otherwise specified. For uniform distribution, use 80° flat fan-type nozzles. Screens and nozzles, as well as those in suction and in-line strainers, should be no finer than 50-mesh. Use a minimum of 10 gal. of water per acre for all post-emergence applications combined with oil or surfactant.

Use a suitable pump with capacity to deliver (1) the necessary volume to the nozzles at 34-40 p.s.i., and (2) an additional volume to maintain the mixture in suspension in the spray tank.

For band applications, calculate amount to be applied per acre as follows:

Band Width in inches	Broadcast rate	Amount needed
	x	=
Row width in inches	per acre	per acre of field

Aerial Application: Use only where broadcast applications are specified. Apply a minimum of 1 gallon of water for each 2 pints of Atrazine 4L-B to be applied per acre. For postemergence treatments, apply recommended rate in a minimum of 2 gal. of water per acre. Do not apply where uniform coverage cannot be obtained or where excessive spray drift may occur. Avoid application directly to animals or humans. Flagmen or loaders should avoid inhalation of spray mist or contact with skin and should wash thoroughly before eating and at the end of each day's operation.

Application in Liquid Fertilizer:

Nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier for preemergence and preplant applications. Mix as described under Application Procedures. Do not apply after corn or sorghum emerges as there is danger of liquid fertilizers causing crop injury.

Check to ensure the compatibility of Atrazine 4L-B with liquid fertilizer prior to mixing in the spray tank. A convenient method for testing the compatibility of Atrazine 4L-B with liquid fertilizer follows:

- A. Add one pint of liquid fertilizer or other carrier to be used to two quart jars. Mark one quart jar "with" and the other jar "without".
- B. To the other jar marked "with" add ¼ teaspoon of a suitable compatibility agent. Shake gently for 5 to 10 seconds to mix. (¼ teaspoon/pint=2 pints/100 gallons.)
- C. To each jar mix the number of teaspoons of herbicide shown on the following chart times the number of qts. per acre of Atrazine 4L-B to be applied corresponding to the gallons per acre of liquid fertilizer to be used. (For example, if 4 qts. per acre of Atrazine 4L-B are to be applied in 20 gallons of liquid fertilizer per acre, then 4 x 1¼ teaspoons, or 5 teaspoons should be mixed with one pint of liquid fertilizer.) If more than one herbicide is used, add them separately; wettable powders first, flowables second and emulsifiable concentrates last. Shake gently for 5 to 10 seconds after each addition.
- D. Let stand one-half hour and make observations. If any separation, agglomeration or precipitation has occurred, again shake the jar 10 to 15 seconds.
 1. If mixtures appear to be compatible in both jars, the herbicide(s) can probably be used without a compatibility agent.
 2. If the mixture in the jar marked "with" is compatible, but the one in the jar marked "without" is incompatible, a compat-

bility agent should be used.

3. If both mixtures are incompatible, the liquid fertilizer and the herbicide(s) should not be used in the same spray tank.

If a test such as outlined indicates that components of a proposed mix are compatible, materials to be combined in the spray tank should still be added in the sequence according to directions prescribed on the label of the herbicides or pesticides involved.

JAR TEST FOR ATRAZINE 4L-B COMPATIBILITY WITH LIQUID FERTILIZER						
Gal. Liquid Fert/Acre	10	15	20	25	30	40
Teaspoons Atrazine 4L-B/Pint of Fertilizer	2½	1½	1¼	1	¾	½

Application in Water Plus Emulsifiable Oil or Oil Concentrate:

The addition of oil to Atrazine 4L-B in water sprays may speed the activity of Atrazine 4L-B and provide quicker kill of weeds. However, under certain conditions, the use of oil may seriously damage corn or sorghum. To minimize the possibility of damage, follow the directions, procedures and precautions given below.

Use a crop oil containing at least 1% suitable emulsifier or a crop oil concentrate containing not more than 20% emulsifier or surfactant blend designated for use with atrazine. Emulsifiable oil or oil concentrate contaminated with water or other materials can cause compatibility problems and/or crop injury.

Mixing Procedures — All uses:

- (1) Thoroughly clean sprayer prior to use. Do not use sprayer contaminated with 2,4-D or other materials as crop damage or sprayer clogging may result.
- (2) Fill spray tank with water, allowing for the addition of the Atrazine 4L-B.
- (3) With the agitation system in operation, add the Atrazine 4L-B.
- (4) Add the emulsifiable oil or oil concentrate last.
- (5) Empty the tank as completely as possible before refilling to prevent a buildup of oil in the tank. Keep the agitation system in operation to avoid a separation of the oil from the water in the spray mixture still remaining in the tank.
- (6) If an oil film starts to build up in the tank, drain the tank and clean out with a strong detergent solution or solvent.
- (7) Clean the sprayer thoroughly immediately after use by flushing the system with water containing a detergent.
- (8) All return lines to the tank must discharge below liquid level.

Precautions for Applications with Emulsifiable Oil or Oil Concentrate in Water:

- (1) Do not use oil in Atrazine 4L-B sprays when corn or sorghum is under stress from prolonged cold, wet weather, poor fertility, or other factors or when corn or sorghum is wet and succulent from recent rainfall as crop injury may occur.
- (2) Do not use oils in sprays when treating inbred lines or any breeding stock as injury may occur.
- (3) Adding other insecticides, herbicides, liquid fertilizers, or other materials is not recommended because they may cause compatibility problems or crop injury.
- (4) Store and handle emulsifiable oil or oil concentrate carefully. Oil contaminated with even a small amount of water may not emulsify properly when added to the tank.
- (5) Do not make more than one application per season except as recommended for control of yellow nutsedge and Canada thistle on this label.

CORN

Atrazine 4L-B may be applied either before planting, at planting or after planting at the rate indicated below.

Preplant:

Broadcast in the spring after plowing at the rate indicated in Table 1. Apply before, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of Atrazine 4L-B. Best results have been obtained when Atrazine 4L-B is applied within two weeks prior to planting.

Preemergence:

Apply during or shortly after planting prior to weed emergence at the rate indicated in Table 1.

Postemergence:

Apply before weeds exceed 1.5 inches in height at the rate indicated in Table 1.

**TABLE 1
BROADLEAF AND GRASS WEED CONTROL IN
CORN***

Soil Texture	Broadcast Rate Per Acre of Atrazine 4L-B
COARSE soils: Sands, loamy sands, and sandy loams	4 pints
MEDIUM soils: Silt and clay loams that are low in organic matter.	4.75 pints
FINE soils: Silt and clay loams with medium to high organic matter and clays.	6 pints
Peats, mucks, and high organic clays (Apply postemergence only)	6 pints
*Broadleaf weed control (eastern CO, western KS, western NE, NM, OK Pan Handle, west TX, and eastern WY). On sand, loamy sand, sandy loam, mild to strongly alkaline soil and all recently leveled soil apply 2.4 pt. per acre, either preplant or preemergence. Controls many broadleaf weeds including pigweed, lambsquarters, nightshade, purslane, and kochia. On other soil types in these areas, apply rate in Table 1 for broadleaf and grass control.	

Lay-by Treatment (Broadleaf and grass control):
Broadcast 2-4 pt. per acre in a minimum of 5 gals. of water or nitrogen solution, before weeds are 1.5 inches high and corn is 20-30 inches high. When using nitrogen solutions, direct the spray to the lower 3-4 inches of corn stalks to avoid corn foliage injury. Maintain agitation in spray tank during application.

Postemergence with Emulsifiable Oil or Oil Concentrate in Water:

Broadleaf and Grass Control:

Ground Application:

Broadcast 4 pts. of Atrazine 4L-B and 1 gal. of emulsifiable oil or 1 qt. of oil concentrate in 20-40 gals. of water per acre after emergence but before weeds reach 1.5 inches in height.

Aerial Application:

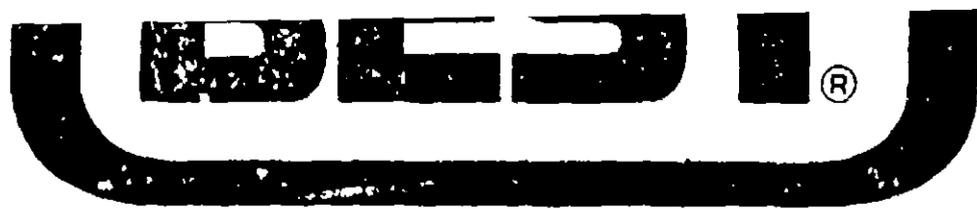
Broadcast 4 pts. of Atrazine 4L-B and 0.5 gal. of emulsifiable oil in no less than 5 gals. of water per acre after weed emergence but before weeds reach 1.5 inches.

Broadleaf Control:

Broadcast 2.4 pt. per acre for control of broadleaf weeds, such as annual morningglory, cocklebur, lambsquarters, mustards, pigweed, ragweed, smartweed, and wild buckwheat. Add emulsifiable oil at the rate of 1 gal. per acre for ground application and 0.5 gal. per acre for aerial applications. Apply before pigweed and lambsquarters reach 6 inches in height and before all other weeds reach 4 inches in height. A cultivation may be necessary if all weeds are not controlled or if weeds regrow.

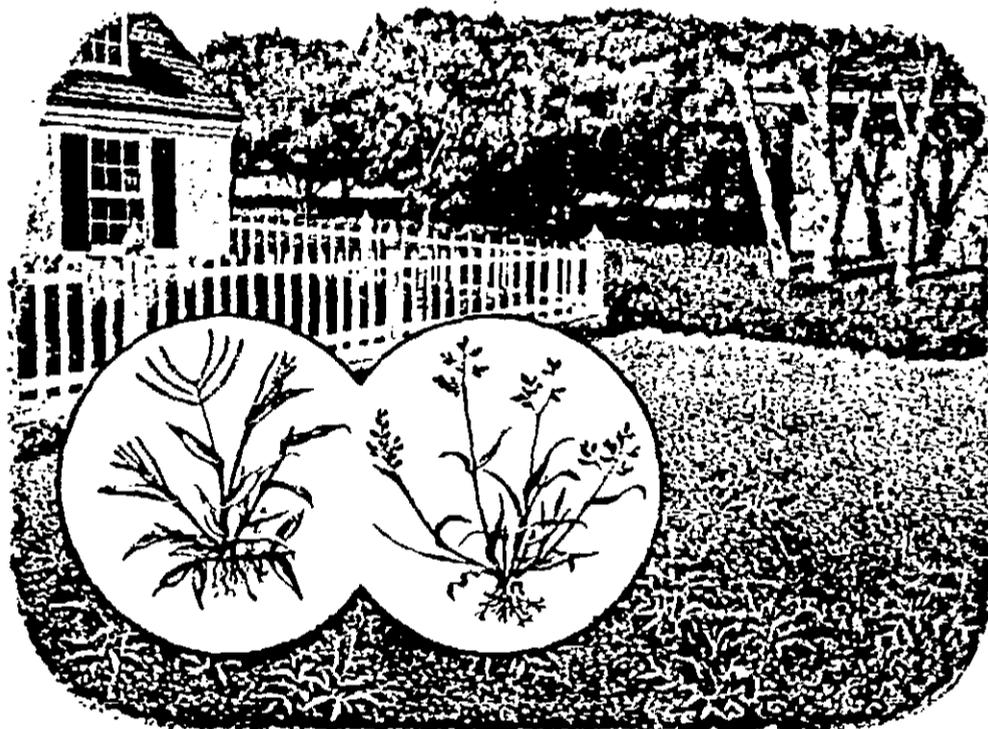
Center Pivot Sprinkler Application — Preemergence or Postemergence (CO, KS, NE, SD, and WY):

Apply with irrigation water either after planting before corn and weeds emerge, or after corn emergence, but before lay-by (20-30 inches) and before weeds exceed 1.5 inches in height, at rates in Table 1. Prepare mixture with minimum ratio of 1 part product to 1 part water. Injecting a larger volume of a more dilute slurry per hour will assure more accurate calibration of metering equipment.



SUPER BEST[®]
Dichondra
Weed & Feed[™]

13-4-5 FOR DICHONDRA LAWNS



Controls many weeds including crabgrass, spotted spurge and oxalis. A non-burning, long-lasting balanced formula with 10% Sulfur added.

ACTIVE INGREDIENTS:		
*Monuron	0.275%
**Difenamid	2.640%
INERT INGREDIENTS		97.085%
		TOTAL
		100.000%
*3-(p-Chlorophenyl)-1,1-dimethylurea		
**N,N-Dimethyl-2,2-diphenylacetamide		

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for Additional Cautions

Net Wt. 12 lbs. (5.44 kg)

Covers 1,500 sq. ft.