

AAtrex[®]

80W

ACCEPTED
Aug. 16/1976
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND ROENTICIDE ACT
FOR ECONOMIC REASON REGISTERED
ED UNDER NO. 100-439-ZA SUBJECT
TO ATTACHED COMMENTS.

Herbicide

For season-long
weed control in corn
and sorghum

For weed control in
certain other crops;
in noncrop areas;
and industrial sites

Five Pounds
Net Weight

Active Ingredients:
Atrazine: 2-chloro-
4-ethylamino-6-
isopropylamino-
s-triazine 76%
Related
compounds 4%
Inert Ingredients: 20%
Total: 100%

EPA Est. No. 100-LA-1

AAtrex 80W is a
wettable powder.

Caution:
Keep out of reach
of children.

See additional
caution statements
on side of bag.

EPA Reg.
No. 100-439-ZA

See directions for use
on right panel.

CIBA-GEIGY

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product.

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 the manner of use or application all of which are beyond the control of CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY 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. **CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** CIBA-GEIGY 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 CIBA-GEIGY.

General Information

This herbicide will control many annual broadleaf and grass weeds in corn, sorghum, sugarcane, pineapple, and certain other crops specified on this label. It is also effective for control of most annual and many perennial broadleaf and grass weeds in noncrop areas and industrial sites. This product may be applied before or after weeds emerge.

In each case where a range of rates is given, the lower rate should be used on coarse-textured soils and soils low in organic matter, and the higher rate should be used on fine-textured soils and soils high in organic matter. Since this product acts mainly through root absorption, its effectiveness depends on rainfall or irrigation to move it into the root zone. Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

This product is noncorrosive to equipment and metal surfaces, nonflammable, and has low electrical conductivity.

Care should be taken to avoid using where adjacent desirable trees, shrubs, or plants might be injured.

Store in a dry place.

Note: CIBA-GEIGY does not recommend applications in combination with other herbicides or oils except as specifically described on the label or in literature published by CIBA-GEIGY.

Application Procedures

Ground Application: For uniform distribution use 80' fan-type nozzles. Screens in nozzles, as well as those in suction and in-line strainers, should be no finer than 50-mesh. Use a suitable pump with capacity to deliver: (1) the necessary volume to the nozzles at 35-40 psi and (2) an additional volume to maintain the mixture in suspension in the spray tank. Unless otherwise specified, use a minimum of 10 gals. of water per acre for all preplant incorporated, preemergence, and post applications (with or without oil or surfactant).

For band applications, calculate the amount to be applied per acre.

Band width in inches	Rate/A for broadcast treatment	Rate/A needed for band treatment
10	1.0	1.0
15	1.0	1.5
20	1.0	2.0
25	1.0	2.5
30	1.0	3.0
35	1.0	3.5
40	1.0	4.0
45	1.0	4.5
50	1.0	5.0
55	1.0	5.5
60	1.0	6.0
65	1.0	6.5
70	1.0	7.0
75	1.0	7.5
80	1.0	8.0

Aerial Application: Use only for broadcast applications. Use a minimum of 1 gal. of water for each acre to be applied per acre. For post-emergence treatments on corn and sorghum, use the recommended rate in a minimum of 2 gals. of water per acre. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

Applications in water: Mixing procedures: (1) Fill spray tank half to two-thirds full of clean water. Be sure tank is clean and not contaminated with 2,4-D, residual oil, or other materials. (2) Start agitation. (3) Pour directly from the bag into the tank. Let the product wet and settle into the water. (4) Fill the tank the rest of the way with water. Continue agitation until mixed thoroughly.

Applications 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 on corn and sorghum. Do not apply after corn or sorghum has emerged as there is danger of liquid fertilizers causing crop injury.

Applications in water plus emulsifiable oil: The addition of oil to postemergence applications in water sprays on corn and sorghum may speed the activity of this product and provide quicker kill of weeds. However, under certain conditions the use of oil may seriously damage the crop. To minimize the possibility of damage, follow the directions, procedures, and precautions given below.

Use a crop oil designated for use with this product containing 1-2% suitable emulsifier. Several oils of this type are on the market. Oils contaminated with water or other materials can cause compatibility problems and/or crop injury.

Mixing Procedures: (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 half to two-thirds full of clean water. (3) Start

agitation. (4) Pour directly from bag into tank. Let the product wet and settle into the water. (5) Add emulsifiable oil after this product and water are mixed thoroughly. (6) Fill the tank the rest of the way with water. (7) 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. (8) If an oil film starts to build up in the tank, drain the tank and clean out with a strong detergent solution or solvent. (9) Clean the sprayer thoroughly immediately after use by flushing the system with water containing a detergent.

Instructions for Safe Handling: Avoid application directly to humans or animals. Although it is unnecessary for flagmen or loaders to wear special protective clothing or equipment, care should be taken to avoid inhalation of dust or spray mist or prolonged contact with skin. Flagmen and loaders should wash thoroughly before eating and at the end of each day's operation.

Corn

Apply either before planting, at planting, or after planting using 1.25-5 lbs. per acre as indicated below for control of many annual broadleaf and grass weeds including barnyardgrass, witchgrass (*Panicum capillare*), yellow foxtail, green foxtail, wild oats, large (hairy) crabgrass, giant foxtail, velvetleaf (buttonweed), morningglory, lambsquarters, pigweed, ragweed, nightshade, purslane, and mustard.

Preplant (Broadleaf and Grass Control): Broadcast in the spring after plowing at the rate indicated in Table 1. Application may be made before, during, or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation. Best results have been obtained when applied within two weeks prior to planting.

Preemergence (Broadleaf and Grass Control): Apply during or shortly after planting prior to weed emergence at the rate indicated in Table 1.

Postemergence (Broadleaf and Grass Control): Apply before weeds exceed 1.5 inches in height, at the rate indicated in Table 1.

**Table 1
For Control of Broadleaves and Grasses¹**

Soil Texture	Broadcast Rate/Acre
Coarse-textured Soils: sand, loamy sand, and sandy loam	2.5 lbs
Medium-textured Soils: silt and clay loam that is low in organic matter	3 lbs
Fine-textured Soils: silt and clay loam with medium to high organic matter and clay (including the dark prairie soils of the Corn Belt)	3.75 lbs
Peat, muck, and high organic clay (apply post-emergence only)	3.75 lbs

¹For Preplant or Preemergence Applications in Western Kansas, Western Nebraska, Eastern Colorado, Eastern Wyoming, New Mexico, West Texas, and the Pan Handle of Oklahoma: On sand, loamy sand, sandy loam, and to strongly alkaline soils, and all recently leveled soils, apply 1.5 lbs. per acre for broadleaf weed control. Many broadleaf weeds including pigweed, lambsquarters, nightshade, purslane, and kochia will be controlled. On other soil types in the areas above, make applications at the rate shown in Table 1 for broadleaf and grass control.

Lay-by Treatment (Broadleaf and Grass Control)

Broadcast 1.25-2.5 lbs. per acre in a minimum of 10 gals. of water or nitrogen solution before weeds are 1.5 inches high and the corn is 20-30 inches high. When nitrogen solutions are used, direct the spray to the lower 3-4 inches of corn stalks to avoid corn foliage injury. Agitation in the spray tank during application is essential.

Postemergence with Emulsifiable Oil in Water (Broadleaf and Grass Control):

Broadcast 2.5 lbs. per acre after weed emergence, but before weeds reach 1.5 inches in height. Add emulsifiable oil at the rate of 1 gal. per acre for ground applications and one-half gal. per acre for aerial applications.

Postemergence with Emulsifiable Oil in Water (Broadleaf Control):

Broadcast 1.5 lbs. per acre for control of many broadleaf weeds including annual morningglory, cocklebur, lambsquarters, mustard, pigweed, ragweed, smartweed, and wild buckwheat. Application should be made before pigweed and lambsquarters reach six inches in height and before all other weeds reach four inches in height. Add emulsifiable oil at the rate of 1 gal. per acre for ground applications and one-half gal. per acre for aerial applications. A cultivation may be necessary if all weeds are not controlled or if regrowth of weeds occurs.

Precautions for Applications with Emulsifiable Oil in Water:

(1) Do not add oil to sprays when crop is under stress from prolonged cold, wet weather, poor fertility, or other factors, or when crop is wet and succulent from recent rainfall as crop injury may occur. (2) Do not use oil 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 with this product and emulsifiable oil in water because they may cause compatibility problems or crop injury. (4) Store and handle emulsifiable oil 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).

Problem Weeds

For control of yellow nutsedge and Canada thistle: This product will control yellow nutsedge (*Cyperus esculentus*) and Canada thistle (*Cirsium arvense*) when applied according to directions. For best results, applications should be