

AMCHEM

LV4

BROADLEAF POSTEMERGENCE HERBICIDE

ACCEPTED

OCT 30 1975

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 264-281

CAUTION: Keep out of reach of children. See other cautions on right panel.

ACTIVE INGREDIENTS:

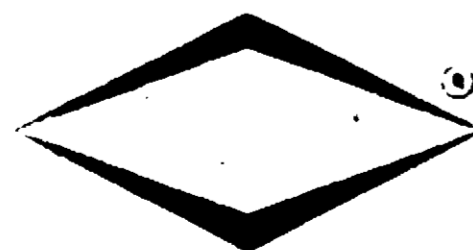
2,4-Dichlorophenoxyacetic acid, butoxypropyl esters* 70.9%

INERT INGREDIENTS: 29.1%

*2,4-Dichlorophenoxyacetic acid equivalent—
4 lbs./gal. or 43.8% /wt.



A ROHRER-AMCHEM COMPANY



First Name in Herbicide Research
AMBLER, PA ■ Clinton, IA ■ St. Joseph, MO ■ Fremont, CA
EPA Reg. No. 264-281

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ACTIVE INGREDIENTS:

2,4-Dichlorophenoxyacetic acid, butoxypropyl esters*70.9%

INERT INGREDIENTS:29.1%

*2,4-Dichlorophenoxyacetic acid equivalent—
4 lbs./gal. or 49.8% /wt.



A ROHRER-AMCHEM COMPANY



AMCHEM PRODUCTS INC.

First Name in Herbicide Research

AMBLER, PA • Clinton, IA • St. Joseph, MO • Fremont, CA

EPA Reg. No. 264-281

RECOMMENDATIONS FOR THE APPLICATION OF AMCHEM LV4

| WEEDS IN CROPS | Amount AMCHEM LV4 per acre | DIRECTIONS |
|--------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Wheat, Barley, Rye Winter Grain | | |
| Annual and biennial weeds | 1 1/2-2 pints | Apply after grain is fully tillered (about 4"-8" high) but not forming joints in the stem. |
| Perennial broadleaf weeds | 1-2 pints | Apply when weeds are near bud stage. Do not spray grain in boot to dough stage. |
| Spring Grain | | |
| Annual broadleaf weeds | 1 1/2-2 pints | Apply after grain is fully tillered (about 4"-8" high) but not forming joints in the stem. |
| Perennial broadleaf weeds | 1-2 pints | Apply when weeds are near bud stage. Do not spray grain in boot to dough stage. |
| Wild onion or garlic | 1 1/2-2 pints | Apply 1 1/2 pts. when grain is fully tillered and wild garlic or onion plants are small. Apply 2 pts. after harvest in the crop stubble. |

*Use the lower rate if small annual and biennial weeds are the major problem. Use the higher rate if perennial weeds or annual and biennial weeds are present which are in the hard to kill categories as determined by local experience. The higher rates increase the risk of grain injury and should be used only where the weed control problem justifies the grain damage risk.

| | | |
|---------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Field Corn | | |
| Preemergence | 2-3 pints | To control broadleaf weeds and suppress annual grasses, apply 3 to 5 days after planting but before corn emerges. Use higher rate on soil high in organic matter. Do not use on light sandy soil or when soil moisture is inadequate for normal weed growth. |
| Postemergence | | |
| Annual broadleaf weeds | 1/2 pint | Apply when weeds are small and corn is less than 10" tall. Avoid spraying just after corn leaves unfold as injury may occur. Use drop pipes to spray corn more than 10" tall. |
| Perennial broadleaf weeds | 1/2 pint | Spray when weeds are in the bud to bloom stage. If corn is more than 10" tall use drop pipes to keep spray off corn leaves. Do not spray corn in tassel to dough stage. 2,4-D may cause brittleness to corn. Winds or cultivation may cause stalk breakage while brittle. Certain single cross hybrids may be more susceptible to 2,4-D injury than other varieties. |
| Grain Sorghum | | |
| Annual broadleaf weeds | 1/2 pint | Treat when sorghum is 6 to 10 inches tall. |
| Perennial broadleaf weeds | 1 1/2 pints | Do not forage or graze treated grain fields within two weeks after treatment with this product. Do not feed treated straw to livestock. |

For aerial application on grain, apply AMCHEM LV4 in 3 gallons of water per acre. Use a minimum of 10 gallons of water per acre for ground application. Do not mix with oil for crop uses.

Do not forage or graze grain fields within two weeks after treatment with this product. Do not feed treated straw to livestock.

WEEDS IN NON-CROP AREAS (fencerows, roadsides, drainage ditchbanks)

| | | |
|---------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annual broadleaf weeds | 2 pints | Apply when most weeds are still young and growing vigorously. |
| Perennial broadleaf weeds | 3 pints | Apply when weeds are actively growing and near the bud stage but before flowering. A second application is usually needed for best results on thistle, nettle and bindweed. Treat wild onion or garlic in early spring and fall when weeds are young and growing actively. |
| Cattails and Tules | 1 1/2 to 2 1/2 gallons | Mix 2 quarts AMCHEM LV4 in 2 quarts kerosene, then add this mixture to 1-10 gallons of water. Apply from 500 to 500 gallons of spray per acre, depending on the stand. The addition of a wetting agent is suggested in Western states. |

For aerial application to solid stands of brush in California use 2-4 quarts in 3-12 gallons volume per acre. Two to 4 quarts of fuel oil may be included in this mixture.

For aerial application to range land brush such as sand sage, sagebrush, shinnery oak, apply 1 gallon of AMCHEM LV4 in 2-10 gallons of water per acre. One gallon of fuel oil may be included in the mixture.

WEEDS IN PASTURES, OTHER TURF AREAS (parks, golf courses, cemeteries)

| | | |
|---------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annual broadleaf weeds | 2 pints | Apply in spring or fall when annual weeds such as knotweed are up but still small and in the seedling stage. |
| Perennial broadleaf weeds | 3 pints | To control tall, leafless, plantain, and other tall perennials, use AMCHEM LV4 in spring or fall when these weeds are growing actively. Treat A. L. plants in the 16 to 18 inch regenerative seasons. If sample spraying fails, spray again in the next regenerative season. If the regenerative season is not formed and weeds are not regenerating, AMCHEM LV4 is not susceptible to winter injury. Do not spray in the regenerative season. AMCHEM LV4 is not susceptible to winter injury. Do not spray in the regenerative season. Do not graze or allow animals to graze in treated areas within 7 days after treatment. |

For spraying in non-cropped areas, pastures and other turf areas, use enough water to yield wetting agent in 100 to 200 gallons.

To convert local recommendations into terms of AMCHEM LV4 use the following table:

| | | | | | |
|------------|------|----------|----------|--------|--------|
| 2,4-D | 1 lb | 2 1/2 lb | 1 1/2 lb | 3/4 lb | 1/2 lb |
| AMCHEM LV4 | 2 pt | 1 1/2 pt | 1 pt | 3/4 pt | 1/2 pt |

Camerman's Note

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GENERAL INFORMATION

AMCHEM LV4 contains 1.0 pound acid equivalent per gallon. The minimum application rate of the original and best available formulation of **AMCHEM LV4** is more effective than the original formulation. **AMCHEM LV4** has had a slight modification to the label to read "acid equivalent per gallon" and "1.0 pound acid equivalent per gallon" to clarify the label.

Uses in Forest Management

CONIFER RELEASE

To control alder, apply 11-17 quarts **AMCHEM LV4** in 9½-15 gallons water per acre as a foliage spray between mid-May and mid-June. This may cause crown leader deformation on exposed firs, but they should overcome this during the second year after spraying.

To control tanoak, madrone, canyon live oak and manzanita and release Douglas fir, hemlock, Sitka spruce or grand fir, apply 3 quarts **AMCHEM LV4** plus 3 quarts fuel oil in 8½-15 gallons water per acre just before or during budbreak on Douglas fir.

To control hazel brush in the Lake States, apply 2 quarts **AMCHEM LV4** in 11-14½ gallons water per acre when new shoot growth of hazel is complete (usually mid-July).

SITE PREPARATION

Budbreak Spray: To control alder before planting forest tree seedlings, apply 2-4 quarts **AMCHEM LV4** in 9-15 gallons of fuel oil per acre after alder buds break, but before foliage is ¾ full size.

Foliage Spray: To control alder before planting forest tree seedlings, apply 2 quarts **AMCHEM LV4** plus 2 quarts fuel oil in 9½ gallons water per acre after most alder leaves are full size. The herbicide TRANSVERT may be added for additional alder control.

EMERGENCY WEED CONTROL IN WHEAT

Perennial grasses and weeds. Apply 3 pints per acre when weeds are approaching bud stage, but do not spray grain in the field to top of stalk.

The 3 pint, 1.0 pound acid equivalent per acre application of any 2.4-D product can produce injury to wheat. Balance the quantity of weed problem against the possibility of crop damage. When perennial weeds are treated, spot treatments are generally recommended to minimize crop injury.

TO PREPARE A SPRAY: Add the required amount of water to the sprayer tank, then add this product with agitation. Add the balance of the water with continued agitation. Add the required amount of fuel oil with water and a little more agitation. Agitate the mixture before spraying.

CAUTION

Harmful to water birds. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Do not eat, drink, or smoke while using this product.

ENVIRONMENTAL HAZARD

Do not apply to water bodies. Do not apply to areas where water birds are present. Do not apply to areas where water birds are present. Do not apply to areas where water birds are present.

PROTECTION STATEMENTS

Do not apply **AMCHEM LV4** directly to corn, timothy, sorghum, or alfalfa. Do not use with cotton, hawk grass, tomatoes, or other plants susceptible to phytotoxicity. Do not use with 2,4-D herbicide. Do not use with 2,4-D herbicide. Do not use with 2,4-D herbicide. Do not use with 2,4-D herbicide. Do not use with 2,4-D herbicide.

Use coarse sprays to minimize drift. Do not apply with hollow cone type insecticide or other nozzles that produce fine spray droplets. Drift from ground application may be reduced by: (1) keeping the spray boom as near to the crop as possible in order to obtain complete coverage; (2) by applying 10 gallons or more of spray per acre; (3) by using no more than 20 pounds of pressure at the nozzle tips; and (4) by not spraying when the wind exceeds 5 miles per hour.

Drift from aerial application may be reduced by: (1) applying as near to the crop as possible in order to obtain coverage; (2) by applying 3 or more gallons of spray per acre; (3) by using 20 pounds pressure or less at the nozzle tips; (4) by using nozzles which produce a coarse spray pattern; (5) by spraying only when the wind velocity is less than 5 miles per hour; and (6) by spraying when there is no possibility for a temperature inversion at time of spraying.

Applications by aircraft, ground rig and hand sprayers should be carried out only when there is no hazard from spray drift. Do not apply near cotton, grapes, tomatoes or near desirable 2,4-D susceptible crop or ornamental vegetation.

At air temperatures above 95° F do not apply **AMCHEM LV4** as vapors from this product may injure susceptible plants. Do not use the same spray equipment for other purposes.

STORAGE AND DISPOSAL STATEMENTS

Do not store near fertilizers, seeds, insecticides or fungicides. Do not reuse containers. Dispose empty containers by puncturing and burying in non-crop and away from water, streams, and follow official federal and local recommendations for container disposal. Do not burn.

Local conditions may affect the use of this product. Contact your State Agriculture Experiment Station, Forest Service, or Extension Weed Specialists for advice on selection, timing, and application to best fit local conditions.

Do not use that use of this product. Do not use that use of this product. Do not use that use of this product. Do not use that use of this product. Do not use that use of this product.

WARRANTY

This product is warranted to perform as described on the label. It is not a contract. The manufacturer is not responsible for the actions of the user. The manufacturer is not responsible for the actions of the user. The manufacturer is not responsible for the actions of the user. The manufacturer is not responsible for the actions of the user.