



HYVAR X-L

WEED KILLER

WATER SOLUBLE LIQUID • 1 Gallon Contains 2 Pounds Bromacil

ACTIVE INGREDIENT:

Lithium salt of bromacil (5-bromo-3-sec-butyl-6-methyluracil) 21.9%

INERT INGREDIENTS 78.1%

U.S. Pats. 3,235,357 & 3,352,862

EPA Est. 5905 AP 1

EPA Reg. No. 352-346-7A

Keep out of reach of children.

WARNING! HARMFUL OR FATAL IF SWALLOWED.
COMBUSTIBLE. CAUSES EYE IRRITATION.
MAY IRRITATE NOSE, THROAT, AND SKIN.

Do not get in eyes. Avoid contact with skin and clothing
Avoid breathing spray mist. Keep away from heat and open flame.
Wash thoroughly after handling.

In case of contact, flush eyes or skin with plenty of water; for eyes, get medical attention

B 21750 4 78

1 U.S. GALLON

Printed in U.S.A.

E. I. DU PONT DE NEMOURS & COMPANY (INC.)
BIOCHEMICALS DEPARTMENT, WILMINGTON, DELAWARE

IMPORTANT—Injury to or loss of desirable trees or other plants may result from failure to observe the following: Do not apply, or drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants. Do not contaminate domestic waters. Keep from contact with fertilizers, insecticides, fungicides, and seeds. Thoroughly clean all traces of "Hyvar" X-L from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (Clean these parts separately).

Do not re-use container; crush and bury when empty.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

NOTICE OF WARRANTY

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the instructions and use conditions. It is impossible to eliminate all risks naturally associated with use of this product. 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 Du Pont. In no case shall Du Pont be liable for consequential, special, or other damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND NO IMPLIED WARRANTY EXCEPT AS STATED ABOVE. THIS IS A LIMITED WARRANTY. FOR TERMS, CONDITIONS, AND RESTRICTIONS, SEE THE LABEL.

ACCEPTED

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GENERAL INFORMATION: Du Pont "Hyvar" X-L Weed killer is an effective general herbicide for use on non-crop and areas for control of brush and many annual and perennial weeds. It is particularly useful for control of perennial grasses. It is a water soluble liquid to be mixed in water and applied as a spray. "Hyvar" X-L may also be applied undiluted for basal (spot) treatment of brush. Effects are slow to appear and may not become apparent until the chemical has been carried into the root zone of the weeds by moisture. The degree of control and duration of effect will vary with the amount of chemical applied, soil type, rainfall and other conditions.

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"Hyvar" X L, after mixing in water, is non volatile, non flammable, and non corrosive to metals except aluminum. Do not use with aluminum spray nozzles.

DIRECTIONS

Apply "Hyvar" X L just before or during the period of active growth of plants to be controlled. If dense growth is present, results will be improved if vegetation is removed before treatment. Do not apply when ground is frozen.

Before spraying, calibrate equipment to determine quantity of water necessary to uniformly cover measured area to be treated. Measure the proper amount of "Hyvar" X L and mix into the necessary volume of water. After "Hyvar" X L has been thoroughly mixed in the spray tank, agitation of the spray solution is not required.

Use a fixed boom power sprayer properly calibrated to a constant speed and rate of delivery. For application with a hand gun sprayer, use at least 200 gals. spray per acre. For treating small areas, a tank type hand sprayer or sprinkling can may be used. For basal (spot) treatment of brush, "Hyvar" X L may be applied undiluted with an exact delivery hand gun applicator.

WEED CONTROL: To control most weeds for an extended period of time on non cropland areas such as RAILROAD, HIGHWAY and PIPE LINE RIGHT OF WAYS, PETROLEUM TANK FARMS, LUMBERYARDS, STORAGE AREAS and INDUSTRIAL PLANT SITES.

Apply 1 1/2 to 3 gals. "Hyvar" X L per acre to control ANNUAL WEEDS and GRASSES such as foxtail, ryegrass, wild oats, crabgrass, cheat grass, brome grass, ragweed, lambsquarters, puncturevine, orchard grass and turkey mullein. When applied just prior to or after emergence of annuals, rates as low as 1/2 gal. per acre control many annual weeds and grasses in low rainfall areas and give short term control in higher rainfall areas.

Apply 3 to 6 gals. "Hyvar" X L per acre to control PERENNIAL WEEDS and GRASSES such as smooth brome, bahiagrass, bluegrass, redtop, purple top, quackgrass, trolmsedge, aster, dandelion, dock, fennel, zinnia, plantain, and wild carrot. In areas with low or seasonal rainfall, rates as low as 2 1/2 gals. per acre control many perennial weeds and grasses.

Apply 6 to 12 gals. "Hyvar" X L per acre to control JOHNSONGRASS, use at the same rate for OTHER HARD TO KILL PERENNIAL WEEDS and GRASSES such as bermudagrass, dallgrass, nutsedge, vasey grass, saltgrass, bouncingbet, dockbane, bracken fern and horsetail. Where limited rainfall (usually less than 4 inches) occurs during the active growth period, such as some areas of the West, "Hyvar" X L will

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not provide satisfactory control of hard-to-kill, deep rooted perennial weeds such as johnsongrass.

Use the higher levels of the dosage ranges on adsorptive soils (usually those high in organic matter or carbon).

Retreatment—Apply 1/4 to 3 gals. "Hyvar" X L per acre when annual weeds and grasses reappear on sites where weed growth has been controlled.

For Small Areas—Three fl. oz. of "Hyvar" X L per 250 sq. ft. is approximately 4 gals. per acre.

BRUSH CONTROL: To control undesirable woody plants on non cropland areas such as RAILROAD RIGHT OF WAYS, STORAGE AREAS, INDUSTRIAL PLANT SITES and DRAINAGE DITCHES.

Apply in spring or summer as a broadcast or basal (spot) treatment, for use on drainage ditches, apply as a basal (spot) treatment only. **Note:** For effective brush control and prevention of damage to desirable vegetation, do not apply to brush standing in water, do not use water from treated ditches for irrigation, do not use in irrigation ditches nor on right of ways or other sites where marketable timber or other desirable trees or shrubs are immediately adjacent to the treated area.

Broadcast Treatment—Apply 2 1/2 to 5 gals. per acre to control oak, willow, sweet gum, and pine, apply 6 to 12 gals. per acre to control brush such as American elm, winged elm, hackberry, sumac, and cottonwood. Use the higher levels of the dosage ranges on adsorptive soils (those high in organic matter or carbon).

Basal (Spot) Treatment—Controls woody plants such as cottonwood, hackberry, maple, oak, poplar, red bud, sweet gum, wild cherry, willow, winged elm, American elm and sumac.

Diluted—Mix 1 gal. "Hyvar" X L in 5 gals. of water and apply at the rate of 1 to 2 fl. oz. per stem 2" to 4" in basal diameter, wet base of stem to run off.

Undiluted—Apply "Hyvar" X L undiluted with an exact delivery hand gun applicator; this equipment delivers a thin stream of a predetermined volume when triggered. Apply at the rate of 5 to 10 milliliters per stem 2" to 4" in basal diameter, direct the treatment to a spot at the base of the brush (root collar area). When treating large stems and more than one delivery of solution is needed per stem, apply on the opposite side of the stem. **Note:** "Hyvar" X L is a combustible product. Do not smoke while applying the undiluted product, and keep away from heat and open flame.

NOTICE TO BUYER: Purchase of this material does not confer any rights under patents of countries outside of the United States.