

BEST DOCUMENT AVAILABLE

GENERAL INFORMATION: Du Pont Velpar L Liquid Kver is a water dispersible liquid to be mixed in water and applied as a spray for selective weed control in Christmas tree plantations for selective weed and brush control in reforestation areas and for nonselective weed and brush control on noncropland areas. It may also be applied undiluted as a basal soil treatment for brush control on noncropland areas and in reforestation areas or by tree injection for selective brush control. It is non-corrosive to equipment.

"Velpar" L is an effective general herbicide providing both contact and residual control of many weeds. At rates recommended for noncropland areas it provides control of many annual and biennial weeds, brush, woody vines, and except for Johnsongrass, is effective for control of most perennial weeds. It is absorbed through the roots and foliage. For brush control, soil application or injection is most effective.

Moisture is required to activate Velpar L in the soil. Best results are obtained when weeds are less than 2 inches in height or diameter, soil is moist at time of application and 1 to 1 1/2 inch of rainfall occurs within 2 weeks after application. Foliar application to weeds is most effective under conditions of high temperature (80°F), high humidity and good soil moisture. Foliar application when vegetation is dormant or semi-dormant may not be effective.

On herbaceous plants, symptoms usually appear within 2 weeks after application under warm, humid conditions, while 4 to 6 weeks may be required when weather is cool. If rainfall after application is inadequate to activate Velpar L in the soil, plants may recover from contact effects and continue to grow.

On woody plants, symptoms usually appear within 3 weeks after sufficient rainfall has carried the herbicide into the root zone during periods of active growth. Defoliation and subsequent refoliation may occur, but susceptible plants are killed. The degree of control and duration of effect will vary with the amount of chemical applied, rainfall, temperature, weed and brush species, soil texture and other conditions.

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 directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the 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 indirect 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 NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Du Pont Velpar L should be used only in accordance with the recommendations on the label or in separate published Du Pont recommendations available through local dealers.

Du Pont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Du Pont. Users assume all risk associated with such non-recommended use.

For broadcast treatments using any equipment, apply Velpar L as a spray just before or soon after weed emergence. Do not apply to frozen or snow covered ground. Before spraying, calibrate equipment to determine the quantity of water necessary to uniformly distribute spray over the vegetation and to uniformly activate area to be treated. Use at least 5 gals. of water for each gallon of Velpar L.

EPA Reg. No. 491-32741-1/2-1

Copyright © 1971 by E. I. du Pont de Nemours and Company

And the proper amount of Velpar L to a spray tank filled with the amount of water to be used and mix thoroughly. A surfactant such as Du Pont Surfactant W may then be added at the rate of 1 quart per 100 gals. of spray to improve wetting and contact activity. After thoroughly mixing the spray solution, a suitable defoaming agent such as DOW Corning Antifoam A or Hodaq Antifoam F may also be added at the rate of 1 to 5 ozs. per 1,000 gals. of spray should foaming become a problem. Agitate thoroughly to disperse the defoaming agent.

Use a fixed boom sprayer properly calibrated to a constant speed and rate of delivery. When used in conifer plantings, avoid overlapping and shut off spray booms while starting, turning, slowing or stopping or injury to the conifer trees may result. For application with a handgun sprayer (non-cropland areas only), use sufficient water (50 to 200 gals. per acre) for thorough coverage. For treating small non-cropland areas, a tank type hand sprayer or sprinkling can may be used.

GENERAL WEED AND BRUSH CONTROL—NONCROPLAND AREAS: Railroad, Highway, Utility and Pipeline Right of Ways, Petroleum Tank Farms, Storage Areas, Industrial Plant Sites, Drainage Ditch Banks and other similar areas.

Use the higher levels of the recommended dosage ranges under the following conditions: on hard to kill species, on fine textured soils (clay, clay loam), on soils containing more than 5% organic matter or carbon, and on coarse textured soils (sand, loamy sand, gravelly soils) where rainfall exceeds 40 inches per year. Use the lower levels of the dosage ranges if the growing season is short.

Weed Control: Apply 3 to 6 gals. per acre for *season long control* of many annual, biennial and perennial weeds including barnyardgrass, bermudagrass, bluegrass, broomsedge, camphorweed, Canada thistle, chickweed, clovers, dewberry, dog fennel, fescue, fingergrass, foxtail, guineagrass, heath aster, honeysuckle, lantana, mare's tail, natalgrass, plantain, prickly lettuce, ragweed, smutgrass, Spanish needle, vaseygrass, wild blackberry and wild carrot.

For *short term control* (up to 3 months) of the above weeds, apply 1 to 2 gals. per acre. Application at 1 to 2 gals. per acre also provides short term control of many annual, biennial and perennial weeds including barnyardgrass, bindweed, bouncing bet, bromegrass, buffelgrass, burdock, cocklebur, crabgrass, crown vetch, curly dock, dandelion, dogbane, fiddle-neck flax, fleabane, goatsbeard vine, goldenrod, lespedeza, milkweed, mustard, nutedge, orchardgrass, oxalis, paragrass, pigweed, purslane, quackgrass, ryegrass, smartweed, spurge, trumpet creeper, wild oats, wild parsnip and wild radish.

For *small areas*—Three 4 ozs. Velpar L per 250 sq. ft. is approximately 4 gals. per acre.

Brush Control: Apply to soil during the period between late winter and early summer for control of blackgum, black cherry, elm, flowering dogwood, green ash, hawthorn, hickory oaks (except live oak), persimmon, sumac, sweetgum and white pine. In areas where the soil normally remains frozen during the winter and spring rains are usually inadequate for soil activation, a fall or winter treatment may be applied before the soil freezes.

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 where desirable trees or shrubs are immediately adjacent to the treated area.

Broadcast Treatment: Apply 2 to 4 gals. of Velpar L per acre as a coarse spray with water. Direct the spray to the soil beneath woody plants to be controlled.

Undiluted Basal Soil Treatment: Apply Velpar L undiluted with an exact-delivery handgun applicator. This equipment delivers a thin stream of predetermined volume when triggered. Apply at the rate of 2 to 4 milliliters for each 1/4 of stem diameter at breast height. Direct the treatment to the soil within 3 ft. of the root collar of woody plants to be controlled. When treating large stems and more than one delivery of Velpar L is needed per stem, make applications on opposite sides of the stem.

SELECTIVE WEED CONTROL—CHRISTMAS TREE PLANTATIONS (EAST OF THE ROCKY MOUNTAINS): Velpar L is recommended for control of certain weeds in Christmas tree plantations where Scotch Pine, Austrian Pine, Grand Fir, Sitka Spruce and Noble Fir are grown. It is also recommended for use where Scotch Pine, Loblolly Pine, Ponderosa Pine, Austrian Pine, Grand Fir, Sitka Spruce and Noble Fir are grown.

Since the effect of Velpar L on conifers varies with soil uniformity of application and environmental conditions, it is suggested that growers limit their first use to small areas.

Note: Because injury to conifers may result, do not use in nurseries, seedbeds or Christmas plantings, do not use on trees when snow covers ground because of insect damage or winter injury. How symptoms of other stress conditions do not affect uniformity of application over the top of conifers, due to unevenly moist or dry soils. In addition, conifer injury may result where heavy winter storms, disease or insect damage follow application or heavy rains occur soon after application. Do not use for weed control in Christmas tree plantations in the state of Texas.

For more information

Consult

BEST DOCUMENT AVAILABLE