

Professional Use Only

D LAY

LIQUID WEED KILLER FOR LAWNS AND TURF
ADD 2.13

ACTIVE INGREDIENT:

Potassium salt of 6-hydroxy-3-(2H)-pyridazinone*.... 20.13%

INERT INGREDIENTS:..... 79.87%

*Hereafter called potassium salt of maleic hydrazide. Product contains 1.5 pounds maleic hydrazide equivalent per gallon.

KEEP OUT OF REACH OF CHILDREN ← 10 pT.

CAUTION ← 14 pT

ACCEPTED
NOV 17 1982
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1266-191

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Immediately remove contaminated clothing, INCLUDING SHOES, and wash skin with soap and plenty of water. If irritation develops, send for a physician.

See Side Panel for Additional Precautionary Statements.

EPA Reg # 1266-
EPA Est # 1266-LA-1

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PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals.

CAUTION: HARMFUL IF SWALLOWED. Avoid breathing of spray mist. Avoid contact with skin, eyes or clothing. Wear regular long-sleeved work clothing when applying the product. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS:

Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated.

Do not contaminate water by cleaning of equipment or disposal of waste.

BEST DOCUMENT AVAILABLE

LEFT
PANEL

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DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

FOR INHIBITION OF GROWTH OF SHRUBS AND IVY: D-LAY will inhibit growth of various shrubs and ivy. Plants should first be pruned into the desired shape. After regrowth of 2 to 4 inches occurs, spray on D-LAY. D-LAY can also be applied in spring as soon as new leaves have expanded. The following shrubs can be treated: Privet, Pyracantha, Myrtle, Yucca, Viburnum, Eugenia, Pittosporum, Cissus, Mahonia Ivy, Algerian Ivy, Honeysuckle and Forsythia.

DIRECTIONS FOR USE: The following spray solution should be sprayed on surfaces of the leaves and bark for ivy and shrubs. Add 2 2/3 gal D-LAY to 100 gallons of water. Spray this concentration to wet surfaces of leaves and bark to the point of drip (not run off).

COMPRESSED AIR SHOULDER SPRAYER: Add 8 tablespoons of D-LAY in one gallon of water and spray to wet all surfaces to the point of drip (not run off). Hose-On attachments can be used. Wet all surfaces of leaves and bark. Consult instructions on applicator for delivering the equivalent of 2 2/3 gallons of D-LAY in 100 gallons of water (equals 8 tablespoons D-LAY in 1 gallon of water).

WHEN TO SPRAY SHRUBS: Best results are obtained when spray is applied to vigorous new growth. For example: 1. In spring just as the new leaves have expanded and new growth has started. 2. In summer after pruning and new regrowth is 2 to 4 inches in length.

HOW D-LAY INHIBITS GRASS GROWTH: D-LAY is absorbed into the green grass blades and translocated by the plant fluids to the active growth areas of the plant where cell division is retarded. D-LAY prevents seed head formation and slows down leaf growth. If an area is not mowed after D-LAY is applied the turf will slowly grow to 6 to 12 inches in height by the end of the growing season as the effect of D-LAY gradually "wears off."

If the D-LAY is not applied before the seed head is formed, it will expand in spite of the presence of D-LAY. If this occurs, at least one week should be allowed for the D-LAY to circulate throughout the plant. The area should then be mowed to no less than 4 inches in height. Inhibition of subsequent growth will then be observed.

If a neatly clipped appearance is required, the D-LAY application should be supplemented by mowing.

HOW TO APPLY: Apply D-LAY to green grass since brown grass will not absorb the spray. One application per year made in either the fall or the spring followed by correct maintenance procedures, will produce required turf growth control.

SPRING APPLICATION: ABOUT APRIL 10 THROUGH JUNE 1

Use 2 2/3 gallons of D-LAY in 50 gallons of water per acre to reduce or eliminate mowing. The two week period in the spring when the grass has grown 2 to 4 inches is ideal for applying D-LAY. This is the period when forsythia and dandelion are in full bloom. The grass is in a vigorous growing condition and will absorb the chemical at the maximum rate. It will prevent seed head formation and inhibit growth of foliage. If spraying is delayed beyond this period, a mowing may be required to trim the area to improve appearance. Allow one week for the translocation of the chemical before this mowing. Do not spray newly mowed areas covered with debris, this will interfere with coverage and absorption, causing poor results.

FALL APPLICATION: ABOUT OCTOBER 1 THROUGH NOVEMBER 15

Use 3 1/3 gallons of D-LAY in 50 gallons of water per acre to reduce growth next season. The fall treatment is applied to green grass before it becomes dormant. Since growth is inhibited the following spring, the area will "green up" about two weeks later than untreated grass. Apply the D-LAY as close to the time the grass becomes dormant as possible but when it is still green. Do not spray when there is a cover of fallen leaves as this will interfere with coverage and absorption, causing poor results. D-LAY will control wild onion and garlic and biennial type weeds such as dandelion and plantain when applied in the fall.

DO NOT APPLY DURING THE SUMMER: JUNE 1 THROUGH SEPTEMBER 25 since most permanent grasses become partially dormant in summer. (The major reason for summer mowing is the presence of annual grasses and weeds which will have to be controlled with herbicides or mowing since they are not present when D-LAY is applied to perennial grasses.)

CONTROLLING ANNUAL BLUE GRASS:

To reduce *Poa annua* (annual blue grass) in golf course fairways, first mow area twice in normal sequence, usually 5 to 8 days apart. When third mowing is needed before the first *Poa annua* seed heads appear, spray 2 quarts of D-LAY in 30 to 40 gallons of water per acre. (If over 40 gallons of water is used per acre, the effectiveness may be reduced). The effect of treatment should be evident in 8 to 10 days.

This "light" treatment of D-LAY eliminates or greatly reduces reseeding of *Poa annua* with little retarding of grass growth. The effect of treatment should be evident in 8 to 10 days.

OVERSEEDING RYEGRASS IN BERMUDA GRASS:

Excessive growth of Bermuda grass on golf greens is often a problem in the fall after verticutting, fertilization, overseeding and top dressing. Apply D-LAY in late September or early October, to inhibit the growth of Bermuda grass and enable rye or other grasses to produce a good stand. Use 1 1/3 gallons of D-LAY in 50 gallons of water per acre. D-LAY should be applied with a calibrated boom. The Bermuda grass must be in good condition. Overseed no sooner than 48 hours after spraying.

TO INHIBIT GRASS ALONG EDGES OF HOME LAWNS:

Apply the equivalent of 2 2/3 gallons of D-LAY in 100 gallons of water per acre in spring (about April 10 to June 1) to a 6 inch band along sidewalks and edges of shrubs and trees. For a compressed air shoulder sprayer add 8 tablespoons of D-LAY in 1 gallon of water and spray a 6 inch band 800 feet long. Hose attachments can be used for edging of lawns. Consult instructions on applicator for delivering the dosage recommended for edging.

RECOMMENDED EQUIPMENT

- A. Trucks in all cases should be equipped with a special speedometer or tachometer reading from 0-15 miles per hour. Truck speedometers are generally inaccurate at this low speed. A centrifugal pump with a capacity of 100 gallons per minute and 50 pounds nozzle pressure plus off-center nozzles are recommended for applying D-LAY. A series of nozzles activated by valves controlled within the cab permits application at 10 to 15 miles per hour covering all types of terrain found along highways. The off-center nozzle will cover up to 30 feet from the road on calm days.

B. Booms:

1. The Burg-Bean boom gives excellent coverage when properly calibrated and operated. Smaller amounts of water 30 to 50 gallons per acre may be used when applying D-LAY with booms.
2. Small booms mounted on tractors or jeeps are satisfactory when properly nozzled, calibrated and operated. Booms are advised only when there are few or no obstructions.

C. Air Carry Methods (Modified Air Blast Sprayer). This is the newest method for applying D-LAY. Large, low-pressure droplets ride the air stream and deposit on the difficult to mow areas. It is the only equipment that will economically and satisfactorily apply D-LAY over wide areas (up to 90 ft.). It will easily cover all types of terrain on shoulders and medians.

Use of 2,4-D: 2,4-D may be used with D-LAY when control of broadleaf weeds is desired in turf. A low volatile ester or amine salt formulation is compatible with D-LAY.

In some areas weeds may emerge after D-LAY is applied. A second application of 2,4-D would be necessary to control these weeds.

Use 2,4-D only on grasses recommended by the manufacturer's label. Follow manufacturer's label when handling or spraying 2,4-D to prevent drift.

Effect of Rain on Treatment: D-LAY should be applied during a period when rain is not expected for 12 hours after treatment. Since D-LAY is water soluble a rain will wash the chemical off the leaf blade before absorption occurs. Once D-LAY is absorbed rain has no effect on performance.

Where Should D-LAY be Used: D-LAY should be used on good turf, three or more years old, which needs frequent mowing, and areas difficult to mow.

D-LAY will improve the safety of mowing by reducing the need for frequent mowing of hazardous locations and eliminating mowing of cuts and fills where a seasonal growth up to 6 to 11 inches can be tolerated.

Conditions Affecting Absorption of D-LAY by Grass: It has been found that a greater amount of D-LAY will enter the leaf in the shortest time and give the best results when the plants are growing rapidly in moist soil. D-LAY is not absorbed when (1) leaves are wilted and, (2) during periods of extended drought when the soil is dry.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.

PESTICIDE DISPOSAL:

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

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