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REG# 352-546

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<p>US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION</p> <p><i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i></p>	<p>EPA REGISTRATION NO. 352-546</p>	<p>DATE OF ISSUANCE JUN 15 1990</p>
		<p>TERM OF ISSUANCE</p> <p>NAME OF PESTICIDE PRODUCT DuPont Hyvar DP Herbicide</p>
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <p><input type="checkbox"/> <input type="checkbox"/></p> <p>E. I. du Pont de Nemours & Co., Inc. Agricultural Product Department Barley Mill Plaza P.O. Box 80033 Wilmington, Delaware 19880-0033</p>		
<p>NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with EPA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrant of similar products to submit such data. 2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase "EPA Registration No. 352-546." b. Replace the statement "May irritate eyes, nose, throat and skin" with "Harmful if swallowed or absorbed through skin. Causes moderate eye irritation." 3. Submit five (5) copies of your final printed labeling to EPA before release the product for shipment. Refer to the A-19 application for a further description of final printed labeling. <p style="text-align: center;">BEST AVAILABLE COPY</p> <p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
<p>SIGNATURE OF APPROVING OFFICIAL</p>	<p>DATE</p>	

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Robert J. Taylor
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

GENERAL INFORMATION

Du Pont "Hyvar" DF Herbicide is a dispersible granule to be mixed in water and applied as a spray for control of weeds and brush. It is non-corrosive to equipment, non-flammable and non-volatile.

"Hyvar" DF is an effective general herbicide for the control of many annual weeds at low rates and perennial weeds and brush at higher rates and is particularly useful for control of perennial grasses. It may be used on non-cropland for non-selective weed and brush control and for selective weed control in certain crops.

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 herbicide applied, soil texture, rainfall, and other conditions.

DIRECTIONS FOR USE

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

Du Pont "Hyvar" DF Herbicide should be used only in accordance with recommendations on this 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. User assumes all risks associated with such non-recommended use.

Do not apply this product through any type of irrigation system.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Farm workers performing hand labor operations should not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to farm workers performing hand labor operations who are expected to be in a treated cropland area or in an cropland area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Warnings must include the following information: "CAUTION Area treated with "Hyvar" DF on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of contact, flush eyes with plenty of water; wash skin with plenty of soap and water. Get medical attention if irritation persists."

Apply "Hyvar" DF as a spray just before or during the period of active growth of plants to be controlled and when rainfall can be expected for soil activation. 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. Weigh the proper amount of "Hyvar" DF and mix into necessary volume of water.

For crop use, apply with a fixed-boom power sprayer properly calibrated to a constant speed and rate of delivery. Use sufficient water (min. 40 gal. per acre) to provide thorough and uniform coverage of the ground. Spray booms must be shut off while starting, turning, slowing, or stopping, or injury to the crop or successive crops may result.

For non-crop use, application also may be made with a handgun sprayer using at least 200 gals. spray per acre to insure uniform coverage. For small areas, a hand sprayer or sprinkling can may be used.

Nozzle screens should be 50 mesh or larger. Continuous agitation in the spray tank is required to keep the material in suspension. Agitate by mechanical or hydraulic means in the spray tank. If by-pass or return line is used, it should terminate at bottom of tank to minimize foaming. Do not use air agitation.

NON-CROP USE

WEED CONTROL

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

Apply 3 to 6 lbs. per acre for control of annuals such as cheat, crabgrass, downy brome, foxtail, lambsquarters, puncturevine, ragweed, ryegrass, turkey mullein, and wild oats. When applied just prior to or after emergence of annuals, rates as low as 2 lbs. per acre control many annual weeds and grasses in low rainfall areas and give short term control in higher rainfall areas.

Apply 7 to 15 lbs. per acre for control of perennials such as bahiagrass, bermudagrass, bluegrass, broomsedge, dandelion, dog fennel, goldenrod, plantain, purpletop, natalgrass (redtop), quackgrass, smooth brome, and wild carrot. In areas with low or seasonal rainfall, rates as low as 5 lbs per acre control many perennial weeds and grasses.

Where limited rainfall (usually less than 4 inches) occurs during the active growth period, such as some areas of the West, "Hyvar" DF usually will not provide satisfactory control of hard-to-kill, deep-rooted perennial weeds such as johnsongrass. Note--Use the higher levels of the dosage ranges on adsorptive soils (those high in organic matter or carbon).

Retreatment--Apply 2 to 6 lbs. per acre when annual weeds and grasses reappear on sites where weed growth has been controlled.

For Small Areas--1/4 cupful of "Hyvar" DF per 250 sq. ft. is approximately 15 lbs. per acre.

Combinations - For broader spectrum control of emerged weeds, apply "Hyvar" DF (as listed above) plus surfactant with "Banvel", D (dicamba) or 2,4-D amine, or dalapon, or MSMA or paraquat or "Phytar", 560 (1/4a salt of cacodylic acid); use the higher rates of "Hyvar" DF on heavier soils or soils high in organic matter; use like companion herbicides as recommended on package labels using higher rates on heavy, dense vegetation.

BEST AVAILABLE COPY

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 7 to 15 lbs per acre to control oak, pine, sweet gum, and willow. Use the higher levels of the dosage ranges on adsorptive soils (those high in organic matter or carbon).

Basal (Spot) Treatment—Mix 2 1/2 lbs. 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. Treatment controls woody plants such as cottonwood, hackberry, maple, oak, poplar, red bud, sweet gum, wild cherry, willow, and winged elm.

SELECTIVE USE IN CROPS

All dosages of "Hyvar" DF are expressed as broadcast rates. For band treatment, use proportionately less; for example, use 1/3 of the broadcast rate when band treating 1/3 of the area.

Moisture is necessary to activate the chemical, best results are obtained if moisture is supplied by rainfall or irrigation within two weeks after application.

CITRUS

Apply as a band or broadcast treatment beneath and/or between trees. Avoid contact of foliage and fruit with spray or mist. Temporary yellowing of citrus leaves may occur following treatment. Do not use on citrus in Kern County, California.

Dosage rates are expressed as broadcast rates; for band treatment use proportionately less.

Because injury to citrus trees may result: do not use on soils low in organic matter (less than 1%) nor on poorly drained soils, do not apply more than 8 lbs. per acre per year; do not treat trees planted in irrigation furrows; do not treat diseased trees such as those with foot rot. Do not use in citrus orchards interplanted with other trees or desirable plants, nor in home citrus plantings or in areas where roots of other valuable plants or trees may extend as plant injury may result. Do not graze cattle in treated areas. Treated areas may be planted to citrus trees one year after last application, do not replant to other crops within 2 years after last application as plant injury may result

FLORIDA ONLY

East Coast/Flatwoods Areas - (low permeable soils)

- The maximum allowable is 6.4 lbs active (bromacil) per acre per year. The allowable amount is inclusive of all bromacil formulations used within one year.
- Under the above guidelines, do not apply more than 8 lbs per acre per year of "Hyvar" DF which contains 6.4 lbs active (bromacil)
- Multiple applications may improve control of "hard-to-kill" species

Trees Established Less Than One Year: For control of annuals, apply 2-3 lbs of "Hyvar" DF per acre as needed to maintain weed control. Do not apply at less than 60 day intervals; do not apply more than 6 pounds per acre within any 6 month period, or more than 8 pounds during the first year.

Trees Established One to Three Years: For control of annuals, apply 2-3 lbs of "Hyvar" DF per acre as needed to maintain weed control. Do not apply more than 6 pounds per acre within any 6 month period, or more than 8 pounds per acre per year

Trees Established Three or More Years: Apply 2-4 lbs per acre as needed to maintain weed control. Do not use more than 4 pounds per acre in any one application, nor more than 8 pounds per acre per year. Use the higher rate for control of perennials listed below. Repeat annual treatments are required to control perennials.

Ridge areas - (highly permeable soils; sands, loamy sands)

- The maximum allowable is 4.2 lbs active (bromacil) per acre per year. The allowable amount is inclusive of all bromacil formulations used within one year
- Under the above guidelines, do not apply more than 5.25 lbs per acre per year of "Hyvar" DF which contains 4.2 lbs active (bromacil)
- Multiple applications may improve control of "hard-to-kill" species

Trees Established Less Than One Year: For control of annual weeds, "Hyvar" DF per acre as needed to maintain weed control. Do not apply at less than 60 day intervals; do not use more than 5.25 pounds per acre per year.

Trees Established One to Three Years: For control of annual weeds, "Hyvar" DF per acre as needed to maintain weed control. Do not use more than 5.25 pounds per acre per year

Trees Established Three or More Years: For control of annual weeds, 2-4 lbs per acre as needed to maintain weed control. Do not use more than 4 pounds per acre in any one application, nor more than 5.25 pounds per acre per year. To control established perennials (listed below) use the seasonal use rate of 5.25 lbs "Hyvar" DF per acre. Repeat annual treatments are required to control perennials.

WEEDS CONTROLLED (annuals)

barnyardgrass	labmsquarter	sandspur
crabgrass	mustard	sedge (annual)
crowfootgrass	natalgrass (red top)	sprangletop
Florida pusley	puncturevine	Texas panicum
herbit	purslane	turkey mullein

WEEDS CONTROLLED (perennials)

bermudagrass	pengolagrass	nutsedge
torpedograss	behiagrass	
paragrass	johnsongrass	

Note: Partial control of perennials usually occurs with a single treatment, repeat applications are required to control perennials. Control of perennials may be improved by cultivation prior to treatment; otherwise, avoid working the soil as long as weed control continues or else effectiveness of the treatment may be reduced

TEXAS ONLY

Trees Established for at Least One Year to Four Years

Apply 2 to 4 lbs of "Hyvar" DF per acre. Use the lower rate for 1 to 2 year old trees and the higher rate for trees more than 2 years old. A second application may be made if needed, but do not apply more than 4 lbs "Hyvar" DF per acre per year as injury to the trees may result.

U.S. (Except Florida)

Do not use on citrus in Kern County, California.

Trees Established for Four Years or More

Annual Weeds--Including barnyardgrass (watergrass), crabgrass, crowfootgrass, Florida pusley, henbit, lambsquarters, mustard, natalgrass (red top), puncturevine, purslane, sandspur, sedge (annual), sprangletop, Texas panicum (Colorado grass), and turkey mullein, apply 2 to 4 lbs. per acre. Apply anytime of the year, preferably shortly before or after weed growth begins when adequate moisture is available.

Perennial Weeds--Best results are obtained if application is made shortly before or shortly after weed growth begins; if dense growth is present, remove tops and spray the ground. Effects on perennial weeds are slow to appear, usually progressing over a period of several months.

Make a single application per year during the period from winter to early summer; use at the following rates:

Soil Texture	Lbs. "Hyvar" DF Per Acre
Sand, loamy sand	4 to 5
Sandy loam	5 to 6
Silt loam, clay loam	6 to 8

Alternatively, make two applications of 3 to 4 lbs. "Hyvar" DF per acre per year. In Florida, Texas, and Louisiana, apply in spring and summer; in California and Arizona, apply in fall and spring.

Note: Partial control usually occurs with a single treatment, repeat applications are required to control perennials.

"Hyvar" DF controls the following:

Bermudagrass	- All areas U.S.
Torpedograss, paragrass, pangolagrass, Bahiagrass	- Florida
Johnsongrass	- Texas
Nutsedge	- Texas, California

Control of perennials may be improved by cultivation prior to treatment; otherwise, avoid working the soil as long as weed control continues or else effectiveness of the treatment may be reduced.

PINEAPPLE

Do not replant treated areas to any crop other than pineapple within 2 years after last application as injury to subsequent crops may result.

Hawaii and Florida--For control of seedling weeds such as amaranthus, balsamapple, chloris, crabgrass, Floras paintbrush, foxtail, goosegrass (wiregrass), and Hialea, apply 2 to 6 lbs. per acre broadcast before the planting material begins to grow. Use the lower rates in low rainfall areas (5 to 10 inches annually) and on clean-culture fields; use the higher rates in high rainfall areas (above 10 inches annually) and for trashmulch fields. Follow with 2 to 4 lbs. per acre as directed interline spray as needed prior to differentiation, or apply 2 lbs. per acre broadcast as needed after plants are 8 months old but before differentiation. Do not apply more than 16 lbs total per acre per plant crop.

For ratoon crop, apply 1 to 4 lbs. per acre broadcast after harvesting plant crop but before differentiation. Do not apply more than 4 lbs. total per acre per ratoon crop.

Puerto Rico--For control of seedling weeds such as crabgrass, goosegrass, jungle rice, pigweed, and purslane, apply 2 to 4 lbs. per acre broadcast immediately after planting and before planting material begins to grow.

SPRAY PREPARATION

Mixing in water - Fill tank 1/2 full with water. Start agitation systems, add "Hyvar" DF and continue adding water. Add separately each additional component of any tank-mix while adding water. Continue agitation throughout.

Mixing in liquid fertilizer (citrus only) - A fertilizer solution may be used in the spray mixture. Small quantities should be tested for compatibility by the following procedures before full scale mixing

1. Put 1 pint fertilizer solution in a quart jar
2. Mix 2 teaspoons "Hyvar" DF with 2 tablespoonfuls of water, mix thoroughly and add to fertilizer solution.
3. Close jar and shake well.
4. If other herbicides are used in the mixture, premix 2 teaspoonfuls of dry materials to 1 teaspoonful of liquids with 2 tablespoons of water, add to "Hyvar" DF/fertilizer solution mixture
5. Close jar and shake well
6. Watch mixture for several seconds; check again in 30 minutes
7. If mixture does not separate, foam, gel or become lumpy, it may be used

Provided the above procedure shows this mixture to be compatible, prepare the tank mixture as follows: Add the fertilizer solution to the spray tank first; mix the required amount of "Hyvar" DF with water to form a slurry, with the agitator running, slowly add the slurry and mix thoroughly. For other herbicides, follow directions above. When tank mixing with other herbicides, all applicable directions, restrictions, and precautions for the additional herbicides are also to be followed.

Thoroughly reagitrate before using if allowed to settle

STORAGE AND DISPOSAL

STORAGE: Store product in original container only, away from other pesticides, fertilizer, food, or feed.

PRODUCT DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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

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 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 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.

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