US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO.	JAN 30 1990	
	TERM OF ISSUANCE	<u></u>	
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Page 2 of Notice of Registration

Velpar ULW DF Herbicide (EPA Registration No. 352-582)

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6. Revise the "Precautionary Statements" and "Statements of Practical Treatment" on the proposed labeling to read as follows:

PRECAUTIONARY STATEMENTS

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Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin. Wear long-sleeved shirt and long pants, socks and shoes, goggles or face shield and waterproof gloves. Wash thoroughtly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. 201

STATEMENTS OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention.

IF SWALLOWED: Call a physician or Poison Control Center. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. <u>Probable mucosal</u> <u>damage may contraindicate the use of gastric lavage</u>.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

NOTL TO PHYSICALL

Add the following types of guidance under this section:

- Technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will conteract the specific physiological effects of the exposure to this pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice regarding exposure to this pesticide. (Medical emergencies phone No. is on present label.)
- 7. Submit five (5) copies of the final printed labeling before you release the product for shipment.

and provided that E.I. Du Pont de Nemours and Company, the manufacturer of the active ingredient of this product, submits <u>all</u> the required data to continue the registration of hexazinone as listed in the EPA "Reregistration Eligibility Decision (RED) issued on January 27, 1995.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with PIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stanged copy of the label is enclosed for your records.

RECT AVAN ---



OUPOND

Velpar[®] ULW DF

herbicide

Soluble Granules		
Active Ingredient	By Weight	
Hexazinone [3-cyclohexyl-6-(dimethylamino) -1-methyl-1,3,5-triazine-2,4(1H,3H)-dione]	75%	
Inert Ingredients	25%	
TOTAL	100%	

EPA Reg. No. 352-582

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KEEP OUT OF REACH OF CHILDRENDANGERPELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Call a physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF SWALLOWED: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting in, or give anything by mouth to an unconscious person.

For medical emergencies involving this product, call toll free 1-800-441-3637.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER! CAUSES EYE DAMAGE.

...

Corrosive, causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling.

PRECAUTIONARY STATEMENTS

(continued in next column)

PRECAUTIONARY STATEMENTS(continued) PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

Long-sleeved shirt and long pants.

Shoes plus socks.

Protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

The active ingredient, hexazinone, in this product is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

> ACCEPTED with COMMENTS In EPA Letter Dated

JAN 30 1996

Under the Federal Insorticide, Fundicide, and Rodenticide Act as amended, for the posticide registered under EPA Reg. No. 352 - 582

GENERAL INFORMATION

DuPont VELPAR® ULW DF Herbicide is a special granular product that is used to control undesirable woody and herbaceous plants in reforestation and noncrop sites. It is applied dry to the soil surface in a broadcast pattern.

VELPAR ULW DF is noncorrosive to equipment.

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

Rainfall dissolves the VELPAR ULW DF granules, releasing the active ingredient (hexazinone) into the root zone, where it is absorbed during periods of vigorous plant growth. On herbaceous plants, symptoms usually appear within 3 to 4 weeks after activation by moisture. Activity may be reduced when vegetation is dormant, semidormant, or under stress. On woody plants, symptoms usually appear within 4 to 8 weeks after activation by moisture. Defoliation and subsequent refoliation may occur, but susceptible plants are killed. Results may develop slowly, and maximum effects may not be achieved until 12 to 24 months after activation.

The degree and duration of control may depend on the following:

- use rate
- soil texture
- · pest spectrum and size at application

• environmental conditions at and following treatment

DIRECTIONS FOR USE

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

VELPAR ULW DF should be used only in accordance with recommendations on this label or in supplemental DuPont publications.

The correct use rates by crop and geographical area, specified on the label, and proper mixing/loading site considerations and application procedures must be followed to minimize potential for hexazinone movement into ground water. Users are encouraged to consult with their state Department of Agriculture, Extension Service, or other pesticide lead agency for information regarding soil permeability, aquifer vulnerability, and best management practices for their area.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USES

AGRICULTUR/AL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment(PPE) and restriction-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into beated areas during the restricted entry interval(REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is :

Coveralls Waterproof gloves Shoes plus socks Protective eyewear

FORESTRY

VELPAR ULW DF is recommended for site preparation and conifer release in areas where the following crop species will be grown:

- Loblolly pine
- Slash pine

Virginia pinc

- Longleaf pine
- · Shortleaf pin-

APPLICATION INFORMATION

VELPAR ULW DF is recommended for general brush control for site preparation and conifer release in forested areas. It may be applied using ground equipment, and, where permitted, aerial equipment. Use rates and other application information are described in the various use categories.

VELPAR ULW DF should be applied as a broadcast treatment only.

APPLICATION TIMING

For best results, apply in the spring after the danger of a killing frost has passed. Weeds and brish should be actively growing at app¹, ation. Weed and brush control is dependent on sufficient rainfall following treatment to activate. VELPAR ULW DF.

APPLICATION EQUIPMENT

VELPAR ULW DF can be applied using appropriately modified ground equipment or aerial equipment. A Solo[®] backpack equipped with a granular applicator that has been modified to handle recommended use rates is recommended (for site preparation only). For aerial application, apply the VELPAR ULW DF granules directly using the DuPont ULW Applicator by helicopter only for site preparation and release.

All application equipment should be adjusted to ensure that distribution across the treatment swath is uniform.

Thoroughly clean all traces of VELPAR ULW DF Herbicide from application equipment immediately after use. Wash equipment thoroughly with water. Dispose of the washwater in accordance with directions given in the STORAGE AND DISPOSAL section of this label.

USE RATES

VELPAR ULW DF use rates for site preparation and conifer release are shown in Tables 1 and 2, respectively. The rates are based on soil texture and weed species. Use the lower rates on coarse-textured soils and soils low in organic matter; use the higher rates on fine-textured soils and on soils high in organic matter. Use the higher rates where hard-to-kill species predominate.

TABLE 1. USE RATES FOR SITE PREPARATION

Soil Texture Description	VELPAR ULW DF (lb per acre)	
Sand,		
Loamy Sand,		
Sandy Loam	2.5 to 4	
Loam		
Sandy Clay Loam,		
Silt Loam	4 to 5.33	
Clay Loam,		
Sandy Clay,		
Silty Clay Loam,		
Silty Clay, Clay	5.33 to 6.33	

TABLE 2. USE RATES FOR CONIFER RELEASE

Soil Texture Description	VELPAR ULW Dr (lb per acre)	
Sand,		
Loamy Sand,		
Sandy Loam	1 to 2	
Loam,		
Sandy Clay Loam,		
Silt Loam	2 to 3	
Clay Loam,		
Sandy Clay,		
Silty Clay Loam,		
Silty Clay, Clay	3 to 4	

PLANTS CONTROLLED-FORESTRY

VELPAR ULW DF controls or suppresses the following herbaceous and woody plants when applied at the rates shown in Tables 1 (site preparation) and 2 (conifer release):

	,	
Herbaceous Plants		
Annual Bluegrass	Goldenrod*	
Barnyardgrass	Heath aster*	
Bentgrass	Horseweed*	
Catsear (false dandelion)	Orchardgrass*	
Common groundsel	Oxeye daisy	
Common ragweed	Ryegrass	
Curly dock*	Smartweed	
Dandelion*	Velvetgrass	
Fescue*	Wild carrot	
Fleabane	Willowweed*(fireweed)	
Foxtail		
Woody Plants		
American elder	Hornbeam	
Ashes* (green, white)	Mulberry	
Birch	Multiflora rose	
Blackgum*	Red maple*	
Brambles (such as blackberry dewberry, raspberry) Cherry* (black, choke)	Oaks (such as post, southern red, turkey, water and white)	
Dogwood* (flowering)	Russian olive	
Eastern red cedar*	Sumac*	
Elm	Sweetgum	
Hawthorn	Wild plum	
Hickory*	Willow	
Honeysuckle		
Cherry* (black, choke) Dogwood* (fiowering) Eastern red cedar* Elm Hawthorn Hickory*	water and white) Russian olive Sumac* Sweetgum Wild plum	

* Partial control; use the higher rates for the soil textures indicated in Table 1 or 2.

USE PRECAUTIONS-FORESTRY

- Do not cut for forage or hay nor graze domestic animals on treated areas for 60 days following application.
- On tracts of land where various soil types are present and VELPAR ULW DF rate selection is difficult, conifer damage or less-than-expected vegetation suppression may occur due to the rate differences required for various soil types.
- Injury to or loss of desirable trees or other plants may result if VELPAR ULW DF
 - granules drift onto desirable plasts, 5-1
 - is applied on or near desirable treas prother plants, or areas where the roots may extend,
 - if equipment washwater is drained or flushed or or near desirable trees or other plants, on areas where their roots may extend, or
 - is applied in locations where the chemical may be washed or moved into contact with roots of desirable trees or other plants.

- Following harvest, stumps and injured trees should be allowed sufficient time to adequately resprout before VELPAR ULW DF application.
- Where burning is desired in site preparation applications, burn only after the residual stand is completely defoliated (at least twice), allowing for sufficient root uptake of VELPAR ULW DF.
- · Do not apply to frozen soil.
- · Poor weed and brush control may result from the following:
 - use on poorly drained or marshy sites
 - applications made when the soil is saturated with water
 - applications to soils high in organic matter (greater than 5%)
 - spring applications that do not receive adequate rainfall for activation
 - uneven distribution of product across the treatment swath
- Excessive conifer injury may occur when VELPAR ULW DF is applied for release in the following situations:
 - on trees that show poor vigor, or damage by insects, disease, winter injury drought, or other stress conditions
 - on any soil containing less than 1% organic matter
 - on loamy sand or sandy loam with less than 2% organic matter
 - on conifers growing on gravelly or rocky soils, exposed subsoils or clay knobs, or sand or sandy soil with 85% or more sand
 - on southern pines outplanted less than 4 years on coarsetextured soils or less than 3 years on fine-textured soils
 - in an uneven distribution pattern of product across the treatment swath

NON-AGRICULTURAL USES

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Noncrop, Industrial Brush Control, as described on this label, is not within the scope of the Worker Protection Standard.

NONCROP, INDUSTRIAL BRUSH CONTROL

VELPAR ULW DF is recommended for the control of undesirable woody plants in noncrop sites.

APPLICATION INFORMATION

VELPAR ULW DF is recommended for general brush control in noncrop areas such as railroads, highways, utility and pipeline rights-of-way, petroleum tank farms, storage areas, industrial plant sites, and other similar areas.

VELPAR ULW DF should be applied as a broadcast treatment using ground application only.

APPLICATION TIMING

Apply VELPAR ULW DF from late winter through summer, from pre-budbreak through periods of active growth, when adequate rainfall can be expected for activation. In areas where the soil 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.

APPLICATION EQUIPMENT

VELPAR ULW DF should be applied using appropriately modified ground equipment only. A Solo[®] backpack equipped with a granular applicator that has been modified to handle prescribed use rates is recommended.

All application equipment should be adjusted to ensure that distribution across the treatment swath is uniform.

Thoroughly clean all traces of VELPAR ULW DF Herbicide from application equipment immediately after use. Wash equipment thoroughly with water.

USE RATES

VELPAR ULW DF use rates for woody plants are shown in Plants Controlled—Noncrop. Use the lower rates on coarse-textured soils and soils low in organic matter; use the higher rates on fine-textured soils and on soils high in organic matter.

PLANTS CONTROLLED-NONCROP

VELPAR ULW DF controls or suppresses the following woody plants when applied at the rates shown:

5 1/3 to 10 2/3 lb per acre

Alder	Hackberry	Persimmon*	
	-		
American elm	Hawthorn	Privet*	
Ash*	Hazel	Red maple*	
Aspen	Hickory*	Sassafrass*	
Balsam poplar	Huisache	Small soapweed	
Black cherry	Juniper	Snowbrush	
Blackgum*	Lotebush	Sourwood*	
Birch	Locust	Sumac	
Catclaw acacia	Manzanita	Sweet bay	
Chinaberry*	Mesquite	Sweet gum	
Chinese elm	Mulberry	Whitebrush	
Chinese tallow*	Multiflora rose	Whitehore.	
Deerbrush	Myrtle	Wild plum	
Dogwood	Oaks	Willow	
Eastern red cedar*	Osage orange	Yellow poplar*	
* Difficult to control	, ,	• 9 • 8 • • • •	
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3 2/3 to 5 1/3 lb per acre

Brazilian pepper

USE PRECAUTIONS-NONCROP

- Do not use on lawns, walks, driveways, tennis courts, or similar residential areas.
- Do not cut for forage or hay nor graze domestic animals on treated areas for 60 days following application. For rates above 8 lb per acre, do not cut for forage or hay nor graze domestic animals for 1 year.
- Injury to or loss of desirable trees or other plants may result if VELPAR ULW DF
- granules drift onto desirable plants,
- is applied on or near desirable trees or other plants, or areas where the roots may extend,
- if equipment washwater is drained or flushed on or near desirable trees or other plants, on areas where their roots may extend, or
- is applied in locations where the chemical may be washed or moved into contact with roots of desirable trees or other plants.
- Following mechanical cutting or clearing, stumps and injured trees should be allowed sufficient time to adequately resprout before VELPAR ULW DF application.
- · Poor brush control may result from the following:
 - use on poorly drained sites
 - applications made when the soil is saturated with water
 - applications to soils high in organic matter (greater than 5%)
 - applications that do not receive adequate rainfall for activation
 - uneven distribution of product across the treatment swath
- treatment of target plants that are under stress
- Do not use on frozen soils.

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• Do not use on soil with 85% or more sand and less than 1% organic matter.

STORAGE AND DISPOSAL

STORAGE: Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. 101,

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

CONTAINER DISPOSAL: Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of 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

DuPont 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. 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 DuPont. In no case shall DuPont 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. DUPONT 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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