

## **HERBICIDE**

**Dispersible Granules KEEP OUT OF REACH OF CHILDREN** 

**PELIGRO** DANGER

Net Weight: 20 Pound Nonrefillable Containe 7511-1117 200129AV1

GROUP 5 HERBICIDE

# PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS **DANGER**

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

handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Protective eyewear Discard dolfning 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 exist, 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. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product and as soon as possible wash thoroughly and put on clean clothing. USERS SHOULD: Wash hands before eating, drinki

**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. **DIRECTIONS FOR USE** 

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

Velpar® DF VII Herbicide must be used only in accordance with instructions on this label or in supplemental BAYER CROPSCIENCE labeling.

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.

The correct use rates by 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.

PRODUCT INFORMATION

Velpar DF VU Herbicide is a water-dispersible granule that is mixed in water and applied as a spray for weed control in Christmas trees, forestry site preparation and release areas, and industrial areas. It may also be applied as a basal soil treatment for brush control in reforestation areas, rangeland, pastures, and noncrop areas.

Velpar DF VU Herbicide is an effective general herbicide providing both contact and residual control of many annual and biennial weeds and woody plants. It is also effective for rooted of many annual and biennial weeds and woody plants. It is also effective for rooted of most perspective first provided in the part perspective. for control of most perennial weeds.
Velpar DF VU Herbicide is noncorrosive to equipment.
Care must be exercised when applying Velpar DF VU Herbicide near desirable trees or shrubs as they can absorb Velpar DF VU Herbicide through roots extending in to treated

areas.

This product may be applied on agricultural and non-agricultural sites that contain areas of temporary surface water caused by collection of water between planting beds, in equipment rufs, or in other depressions created by management activities. It is permissible to treat intermittent drainage, intermittently flooded low lying sites, seasonally dry flood plains, and transitional areas between upland and lowland sites when no water is present. It is also permissible to treat marshes, swamps, and bogs after water has receded, as well as seasonally dry flood deltas. DO NOT make applications to natural or man-made bodies of water such as lakes, reservoirs, ponds, streams, and CANAIS.

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

Velgar DF VV Herbicide is absorbed through the roots and foliage. Moisture is required to activate Velgar DF VV Herbicide in the soil. Best results are obtained when the soil is moist at the time of application and 1/4-1/2 inches of rainfall occurs within 2 weeks after application. For best results, apply Velgar DF VV Herbicide premergence or postemergence when weeds are less than 2 inches in height or diameter. Herbicidal activity is most effective under conditions of high temperature (above 80 °F), high humidity, and good soil moisture. Herbicidal activity may be reduced when vegetation is dormant, and the production of the producti

or under stress (e.g. temperature or moisture). Herbicidal activity mill usually appear within 2 weeks after application to susceptible plants under warm, humid conditions; while 4--6 weeks may be required when weather is cool or dry, or when susceptible plants are under stress. If rainfall after application is inadequate to activate Velpar DF VU Herbicide in the soil, plants may recover from contact effects and continue to grow.

On woody plants, symptoms usually appear within 3-6 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 and duration of control will depend on the following:

Use rate

Weed spectrum and size at time of application

Environmental conditions at and following treatment

Where a rate range is shown, use the higher levels of the dosage range on hard-to-control species, fine-textured soils, or soils containing greater than 5% organic matter or carbon. Use the lower levels of the dosage range on coarse-textured soils and/or on soils low in organic matter. Refer to specific uses for rate ranges.

APPLICATION INFORMATION

Velpar DF VU Herbicide may be applied by ground equipment and, where permitted, aerial equipment. Use rates, minimum spray gallonage, and other application information are described for various uses.

Dispose of the equipment washwater by applying it to a use-site listed on this label or in accordance with directions given in the "Storage and Disposal" section of this label. Before spraying, calibrate equipment to determine the quantity of water necessary to uniformly and thoroughly cover the vegetation and soil in a measured area to be treated. Make sure the volume of water is sufficient to completely suspend the Velpar DF VU Herbicide.

TANK MIXTURES

Velpar DF VU Herbicide may be tank mixed with other herbicides and /or adjuvants registered for the uses specified in the label.

TANK MIXTURES

Velpar DF VU Herbicide may be tank mixed with other herbicides and /or adjuvants registered for the uses specified in the label.

Refer to the label of the tank mix partner(s) for any additional use instructions or restrictions. The most restrictive label provisions apply. If other label instructions conflict with this label do not tank mix the herbicide and/or adjuvant with Velpar DF VU Herbicide.

INVASIVE SPECIES MANAGEMENT

This product may be considered for use on public, private, and tribal lands to treat certain weed species infestations that have been determined to be invasive, consistent with the Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMMEW) National Early Detection and Rapid Response (EDRR) System for invasive plants. Effective EDRR systems address invasions by eradicating the invader where possible, and controlling them when the invasive species is to established to be feasibly eradicated. Once an EDRR assessment has been completed and action is advised, a Rapid Response needs to be taken to quickly contain, deny reproduction, and if possible eliminate the invader. Consult your appropriate state extension service, forest service, or regional multidisciplinary invasive species management coordination team to determine the appropriate Rapid Response provisions and allowed treatments in your area.

RESISTANCE

RESISTANCE
Velpar DF VU Herbicide, which contains the active ingredient hexazinone, is a Group 5 herbicide based on the mode of action classification system of the Weed Science Society of America.
When herbicides with mode of action classifications that affect the same biological sites of action are used repeatedly over several years to control the same weed species in the same treatment area, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that area. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different biological site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes. It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide in-structions available in your area.

Internate Ir Est implantations. This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

## AGRICULTURAL USES

## AGRICULTURAL 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 exceptions pertaining the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. ons, either directly or through drift. Only profected handlers may be in the area that will contact workers or other pers

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 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

Chemical resistant gloves made of any waterproof materia Shoes plus socks

Protective eyewear

CHRISTMAS TREES Velpar DF VU Herbicide is labeled for control of certain weeds where the following species are grown Fir, Douglas (western US only) Pseudotsuga menziesii Pine, loblolly

Pinus taeda Abies fraseri Abies grandis Abies procera Pinus ponderosa Pine, ponderosa Pine, Scotch Pinus sylvestris Pine, Austrian Pinus nigra Unless otherwise directed in separately published BAYER CROPSCIENCE LP instructions, do not use Velpar DF VU Herbicide on Christmas trees in the following states:

New Jersey New York North Carolina Alabama Arkansas Connecticut Delaware Maryland Massachusetts Mississippi New Hampshire Rhode Island South Carolina Texas Vermont

### APPLICATION INFORMATION Apply Velbar DF VU Herbicide as a broadcast spray in the spring prior to budbreak. If application is made after budbreak, use directional spray equipment to prevent contact

WESTERN US

Areas of greater than 20 inches annual rainfall - Velpar DF VU Herbicide may be applied as a broadcast spray in the spring prior to conifer budbreak. If application is made after budbreak, use directional spray equipment to prevent contact with foliage.

Areas of less than 20 inches annual rainfall - Velpar DF VU Herbicide may be applied in the fall before the soil freezes or in the spring after snow cover melts, but before conifer budbreak occurs USE RATES

The rates listed below are for broadcast application. For band application, use proportionately less; for example, use 1/2 of the broadcast rates when treating a 3-foot band where row spacing is 6 feet. Use the higher end of the rate range on the heavier soil type. Do not use more than one application of Velpar DF VU Herbicide per year. Velpar DF VU Herbicide (Lb/Acre

Established Trees

First Year Plantings Coarse Texture Loamy sand, sandy loam (50-85% sand) 1 1/3 1 1/3 - 1 2/3 Medium Texture Loam, silt loam, silt, clay loam, sandy clay loam 1 1/3 - 1 2/3 1 2/3 - 2 1/3 Fine Texture Silty clay loam, clay loam, sandy clay, silty clay, clay 1 2/3 - 2 2 1/3 - 2 2/3 First year plantings - Transplant stock that is 2 years old or more (1 year old for loblolly pine). Apply Velpar DF VU Herbicide only if rainfall tled the soil around the base and root systems of the transplants. Established trees - Trees that have been planted in the plantation for 1 year or more.

## WEEDS CONTROLLED

Velpar DF VU Herbicide is labeled for the control or suppression of the following weed species in Christmas tree crops: Aster, heath\* Aster ericoides Fescue\*

Festuca spp Barnyardgrass Echinochloa crus-galli Conyza spp Bentgrass, common Agrostis alba Poa annua Foxtail Setária spp Bluegrass, annual Goldenrod<sup>3</sup> Solidago spp Bromegrass Bromus spp Groundsel, common Senecio vulgaris Burnweed, American Erechtites hieracifolius Horseweed/marestail Conyza canadensis Carrot, wild Daucus carota Orchardgrass\* Dactylis glomerata Ragweed, common Crabgrass\* Digitaris spp Ambrosia elatior Curly dock' Rumex crispus Ryegrass, Italian (annual) Lolium multiflorum Daisy, oxeye Chrysanthemum leucanthemum Ryegrass, perennial Lolium perenne Smartweed, Pennsylvania Dandelion, common\* Taraxacum officinale Polygonum pensylvanicum Dandelion, false\* (spotted catsear) Hypochaeris radicata Velvetgrass, common Holcus lanatus \* Suppression - a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control

Velgar DF VV Herbicide may be applied by ground equipment or by air.

Select a spray volume that will ensure a thorough and uniform application. Apply a minimum of 5 gallons per acre by air and a minimum of 10 gallons per acre by ground

USE PRECAUTIONS FOR CHRISTMAS TREES Weed control results from spring applications depend on sufficient moisture to activate Velpar DF VU Herbicide. Poor weed and brush control may result from the following:

-Heavy duff or slash present at the time of application.

-Use on poorly drained sites.

Pinus taeda

Pinus palustris

Pinus ponderosa

Pinus resinosa

Pinus sylvestris

Applications made when soil is saturated with water and rain is imminent within 24 hours. -Applications to soils high in organic matter (greater than 5%).
 Injury may occur when Velpar DF VU Herbicide is used on the following:

Trees that show poor vigor, insect damage, disease, winter injury, or other stress conditions. Any soil containing less than 1% organic matter. Loamy sand or sandy loam with less than 2% organic matter (except Jeffrey Pine and Ponderosa Pine).

 Foliage after budbreak. - Gravelly or rocky soils, exposed subsoils, clay knobs, sand, or sandy soil with 85% or more sand. USE RESTRICTIONS FOR CHRISTMAS TREES

Do not use Velpar DF VU Herbicide in nurseries, seed beds, or ornamental plantings. Do not add a surfactant in applications over the top of conifers.

Livestock may be grazed immediately following a broadcast application of Velpar DF VU Herbicide at rates of 1.5 pounds per acre or less, and treated vegetation may be

cut, dried, and fed after 38 days.

Do not cut treated vegetation for feed, or graze livestock on treated areas for 60 days following application of Velpar DF VU Herbicide at broadcast rates exceeding 1.5

Pine, Virginia Spruce, black

Spruce, red

Spruce, white

pounds per acre. FORESTRY SITE PREPARATION

Pinus virginiana

Picea mariana

Picea rubens

Picea glauca

Pine, loblolly

Pine, longleat

Pine, Scotch

Pine, ponderosa

Velpar DF VU Herbicide is labeled for weed and brush control in areas where the following species are grown: EASTERN US AND LAKE STATES Fir, balsam Abies balsamea Pine, shortleaf Pinus echinata Pine, Austriar Pinus negra Pinus elliottii

	-		
WESTERN US			
Fir, Douglas Fir, grand	Pseudotsuga menziesii Abies grandis	Pine, lodgepole Pine, ponderosa	Pinus contorta Pinus ponderosa
Fir, Noble Fir, white	Abies procera Abies concolor	Spruce, blue Spruce, Engleman	Picea pungens Picea englemannii
Pine, Jeffrey	Pinus jeffreyi	Spruce, Sitka	Picea sitchensis

## APPLICATION INFORMATION EASTERN US EASTERN US Apply Velpar DF VU Herbicide from early spring to early summer after hardwoods have broken bud and before the foliage has hardened off VELPAR DF VU (Lb/Acre)

Coarse Texture
Sand, loamy sand, sandy loam 2 2/3-4 **Medium Texture** Loam, silt loam, sandy clay loam 4 - 5 1/3

Fine Texture Silty clay loam, clay loam, sandy clay, silt, silty clay, clay 5 1/3 - 6 2/3

The rates listed are for broadcast application. Use the lower rates on coarse textured soils and soils low in organic matter. Use the higher rates on fine textured soils and soils high in organic matter. Use the higher rates where weeds identified with an\* in the Weeds Controlled list predominate

WESTERN US
For SITE PREPARATION, Velpar DF VU Herbicide may be applied at 1.3 to 4 pounds per acre. Use the lower rates on coarse textured soils and soils low
in organic matter. Use the higher rates on fine textured soils and soils high in organic matter. Use the higher rates where weeds identified in this label
as "suppression" predominate.

In areas where other conifer species may be mixed in with the conifers listed above, Velpar DF VU Herbicide may be applied if the user has prior experience with Velpar
DF VU Herbicide on the other conifer species. With no prior experience, it is advised that either a small area of plantings be tested for conifer safety prior to treating larger
areas, or make no application of Velpar DF VU Herbicide in these areas within the site preparation area. Conifer species that are sensitive to Velpar (hexazinone) DF VU Herbicide, such as, sugar pine and western larch, require 18 months before interplanting on treated sites.

Applications made to shelter wood sites may also result in mortality to over-story conifers. Factors that may influence conifer sensitivity in these sites could include
application rate, conifer species, soil characteristics, uniformity of spray distribution across the treatment swath, and environmental stress.

Rain Bett (areas of low spring rainfall): For best results, apply in late winter or spring when weeds and brush are actively growing.

Snow Bett (areas of low spring applications will be dependent on sufficient rainfall following application to activate Velpar DF VU Herbicide.

PLANTS CONTROLLED

Setaria spp

Carya spp

Velgar DF VU Herbicide is labeled for the control or suppression of the following species in site preparations for forestry crops: HERBACEOUS PLANTS

Aster spp Foxtail Aster, heath\* Aster ericoides Goldenrod\* Barnyardorass

Solidago spp Senecio vulgaris Echinochloa crus-galli Groundsel, common Agrostis spp Bentgrass Horseweed/marestail Conyza canadensis Bluegrass, annual Poa annua Mullein common<sup>\*</sup> Verbascum thapsus Dactylis glomerata Bromus spp Orchardgrass\* Daucus carota Calamagrostis rubescens Carrot, wild Pinegrass Quackgrass\* Crabgrass' Digitaria spp Agropyron repens Chrysanthemum leucanthemum Ragweed, common Daisy, oxeye Dandelion, common\* Dandelion, false\* (spotted catsear) Taraxacum officinale Lolium multiflorum Ryegrass, Italian (annual) Hypochaeris radicata Ryegrass, perennial\* Smartweed, Pennsylvania Lolium perenne Rumex crispus Polygonum pensylvanicum Dock, curly\* Elksedge Fescue\* Carex geven Squawcarpet Ceanothus prostratus Thistle, Canada\* Festuca spp Cirsium arvense Holcus lanatus Fireweed\*(willowweed) Epilobium angustifolium Conyza spp Velvetgrass, common Fleabane

### \*\* For western US site preparation, apply at 4 pounds per acre-WOODY PLANTS Ash Fraxinus spp

Populus grandidentata Populus tremuloides Honeysuckle\* Aspen, big tooth Lonicera spp Manzanita, Greenleaf Aspen, trembling Arctostaphylos patula Birch Betula spp Maple, red\* Acer rubrum Nyssa sylvatica Blackgum Quercus spp Poplar, balsam Cherry, black Prunus serotina Populus balsamifera Deerbrush Dogwood, flowering\* Ceanothus integerrimus Snowbrush Ceanothus velutinus Comus florida Sourwood' Oxydendrum arboretum Ulmus spp Sweetgum Liquidambar spp Hawthorn Crataegus spp Willows Salix spp Hazel Corylus spp

\* Suppression is a visible reduction in plant competition (reduced population and/or vigor) as compared to an untreated area. Degree of suppression will vary with rate applied, size of plants at application, and environmental conditions following treatment. Species indicated above, especially resprouts of these species, may require a follow up treatment for acceptable control. Burning, as a follow up treatment, will enhance control of resprouts.

Hickory

Within several weeks after Velpar DF VU Herbicide activation by rainfall, affected vegetation may be burned, if desired. This burn may further enhance control of vegetation. Burn the vegetation only after any residual stand is completely defoliated, at least twice, allowing for sufficient root uptake of Velpar DF VU Herbicide. In the West, results may take one to two years in areas of low rainfall.

SPRAY EQUIPMENT

SPRAY EQUIPMENT
When applied as a liquid spray using water as the carrier, Velpar DF VU Herbicide may be applied by ground equipment or by air (helicopter only).
For ground application, use enough water for thorough coverage, usually a minimum of 25 gallons per acre. For aerial applications, use at least 5 gallons of water per

acre.

GRID APPLICATION

Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Intermittent agitation may be required to maintain the Velpar DF VU Herbicide in suspension.

Apply the Velpar DF VU Herbicide suspension directly to the soil surface in a grid pattern using an exact delivery handgun applicator. This equipment delivers a thin stream of predetermined volume. Velpar DF VU Herbicide must be applied during the period from hardwood budbreak to early summer.

Application rate and grid pattern will depend on soil texture and woody plant composition. Use the lower rates on coarse textured soils and when the major component of the hardwoods are susceptible species. Use the high rates on fine-textured soils and where weeds identified in this label as "partial control or suppression" predominate. Annication Patterns and Rates For Velnar DF VII Herbicide Suspension

Approacion i accorno c	ML/Spot	Grid (Ft)	Lb/Acr
Coarse	0.6	3X3	2
	2.0	4X4	4
	3.1	4X6	4
Medium/Fine	1.6	3X3	5.3
	2.8	4X4	5.3
	3.5	4X4	6.6
	5.2	4X6	6.6

BASAL (SOIL) SINGLE STEM TREATMENTS

Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Apply the Velpar DF VU Herbicide suspension with an exact-delivery handgun applicator. This equipment delivers a thin stream of predetermined volume when triggered. Apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml for each inch of stem diameter at breast height. Direct the treatment to the soil within 3 feet of the root collar of woody plants to be controlled. For multi-stemmed and low-growing brush that have stem diameters that are difficult to determine, apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml per 3 feet of canopy width. For tall, slender (columnar) brush types, apply 4 to 8 ml per 3 feet of height. Base the rate on whichever canopy dimension is greater (width or height). Apply the lower volumes for coarse textured soils or soils with low organic matter soils and the higher volumes for fine textured soils or soils with high organic matter

when treating brush that requires more than a single delivery of the Velpar DF VU Herbicide suspension, apply subsequent deliveries equally spaced around the target plant. If treating brush on sloping sites, apply most of the suspension on the uphill side of the stem. If treating resprouts from brush disturbed by cutting or other mechanical methods, the rate of application must be proportional to the original tree size, not just the size of sprout regrowth.

USE PRECAUTIONS FOR SITE PREPARATION

Where burning is desired, burn the vegetation only after any residual brush has completely defoliated, at least twice, allowing for sufficient root uptake of Velpar DF VU Herbicide.

Following harvest, allow sufficient time for stumps and injured trees to adequately resprout before applying Velpar DF VU Herbicide.

Spruce, Norway

Picea abies

Quercus spp Populus balsamifera Ceanothus velutinus Oxydendrum arboretum

yuenaran. ... widambar spp

vest, allow sufficient time for stumps and injured trees to adequately resprout before applying Velpar DF VU Herbicide. FORESTRY- RELEASE

Fir, balsam Pine, loblolly Abies balsamea Pinus taeda Pine, shortleaf Pine, slash Pinus echinata

Pine, longleaf Pine, red	Pinus palustris Pinus resinosa	Pine, Virginia Spruce, black	Pinus virginiana Picea mariana	Spruce, white	Picea glauca
WESTERN US					
Fir, Douglas Fir, grand Fir, Noble Fir, white	Pseudotsuga menziesii Abies grandis Abies procera Abies concolor	Hemlock, Western Pine, Jeffrey Pine, lodgepole Pine, ponderosa	Tsuga heterophylla Pinus jeffreyi Pinus contorta Pinus ponderosa	Spruce, blue Spruce, Englemann Spruce, Sitka	Picea pungens Picea englemannii Picea sitchensis

## **APPLICATION INFORMATION**

APPLICATION INFORMATION

EASTERN US

Apply Velpar DF VU Herbicide from early spring to early summer after hardwoods have broken bud and before full leaf expansion.

Applications made over the top of pines may result in excessive pine injury under conditions of high humidity and temperature (80 degrees F).

WESTERN US

Rainbelt (areas of high spring rainfall): For best results, apply in late winter or spring when brush is actively growing, but prior to conifer budbreak. Dormant trees are less susceptible to injury. Applications where the spray comes into direct contact with conifers after dormancy break in the spring or before the final resting bud has hardened in the fall may severely injury or kill the trees.

Snowbelt (areas of low spring rainfall): For best results, apply in the fall before soil freezes and after the final resting bud has hardened on the conifers. Or, spring applications may be made after snow cover melts in anticipation of rainfall prior to conifer budbreak. Brush control results from spring treatments will be dependent on sufficient rainfall following application to activate Velpar DF VU Herbicide.

USE RATES

The rates listed below are for broadcast application. Do not use more than one application of Velpar DF VU Herbicide per year. Use the higher rate range for the harder to control\* (suppression) species in the PLANTS CONTROLLED listings of the Site Prep and Release sections.

Crop Species	Soil Description	<b>Established Trees</b>
Loblolly pine Longleaf pine	Loamy sand, sandy loam	1 1/3 - 2
Shortleaf pine Virginia pine	Loam, silt loam, silt, sandy clay loam	1 1/3- 2 2/3
Slash pine	Silty clay loam, clay loam, sandy clay, silty clay, clay	3-4
Red pine	Loamy sand, sandy loam Loam, silt loam, silt, sandy clay loam Silty clay loam, clay loam, sandy clay, silty clay, clay	11/3- 2 2/3 2 2/3-4 4- 5 1/3

VELPAR DE VII HERRICIDE (I R/ACRE)

# **Established Trees**

Soil Description

Aspen, big tooth

Elder, box

4 years of age from transplanting on coarse-textured soils
 3 years of age from transplanting on medium-textured soils
 2 years of age from transplanting for Red Pine

WED LETN US
Application rates by soil type for Velpar DF VU Herbicide in the following western conifers: Blue spruce, Douglas
fir, Engleman spruce, Grand fir, Jeffrey pine, Lodgepole pine, Noble fir, Ponderosa pine, Sitka spruce, Western
hemlock, and White fir. VELPAR DF VU HERBICIDE

The state of the s	
Loamy sand, sandy loam	1 1/3 - 3
Loam, silt loam, sandy clay loam	2 2/3-4
Silt, silty clay loam, clay loam, sandy clay, silty clay, clay	3-4
For first year plantings utilizing bare root stock, treat only transplant stoc	k that is 2 years old (2-0, 1-1) or

cept (1-0) for Ponderosa and Jeffrey pines. Apply Velpar DF VU Herbicide only if rainfall has settled the soil bund the base and root systems of the transplants.

Velpar DF VU Herbicide is labeled for the control or suppression of the following species in conifer release sites: Fraxinus spp Deerbrush Ceanothus integerrimus

Populus grandidentata

Populus tremuloides

Betula spp

Acer negundo

Sourwood' Sweetgum Willows Honeysuckle Brambles Rubus spp Lonicera spp Prunus serotina Cherry, black Manzanita, Greenleaf Arctostaphylos patula Prunus pensylvanica Cherry, pin Maple, red Acer rubrum

Dogwood, flowering\*

Hawthorn

Hazel

\* Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control In addition to brush controlled, herbaceous species listed in the Weeds Controlled section of Release-Herbaceous Weed Control may be controlled with these applications.

(I h/Acre)

Cornus florida

Crataegus spp

Ulmus spp

Corylus spp

Poplar, balsam Snowbrush

When applied as a liquid spray using water as the carrier, Velpar DF VU Herbicide may be applied by ground equipment or by air (helicopter only) For ground applications, use sufficient spray volume for thorough and uniform coverage of the site to be treated, usually a minimum of 25 gallons plications, use a minimum of 5 gallons per acre.

GRID APPLICATION
Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Intermittent agitation may be required to maintain the Velpar DF VU Herbicide in suspension.

Apply the Velpar DF VU Herbicide suspension directly to the soil surface in a grid pattern using an exact delivery handgun applicator. This equipment delivers a thin stream of predetermined volume. Velpar DF VU Herbicide must be applied during the period from hardwood budbreak to early summer.

Application rate and grid pattern will depend on soil texture and woody plant composition. Use the lower rates on coarse textured soils and when the major component of the hardwoods are susceptible species. Use the high rates on fine-textured soils and where weeds identified in the label as "partial control or suppression" predominate. Application Patterns and Rates For Velpar DF VU Herbicide Suspension ML/Spot Grid (Ft)

Coarse 4X6 2.6 Medium/Fine 3x3 3x6 3x3 1.2 2.3 3x6 \* Use on deep sands with pines four years or more of age

BASAL (SOIL) SINGLE STEM TREATMENT
Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Apply the Velpar DF VU Herbicide suspension with an exact-delivery handgun applicator. This equipment delivers a thin stream of predetermined volume when triggered. Apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml for each inch of stem diameter at breast height. Direct the treatment to the soil within 3 feet of the root collar of woody plants to be controlled. For multi-stemmed and low-growing bursh that have stem diameters that are difficult to determine, apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml per 3 feet of canopy width. For tall, slender (columnar) brush types, apply 4 to 8 ml per 3 feet of height. Base the rate on whichever canopy dimension is greater (width or height). Apply the lower volumes for coarse textured soils or low organic matter soils and the higher volumes for fine textured soils or high organic matter soils.

When treating brush that requires more than a single delivery of the Velpar DF VU Herbicide suspension, apply subsequent deliveries equally spaced around the target plant. If treating brush on sloping sites, apply most of the suspension on the uphill side of the stem. If treating proprouts from brush disturbed by cutting or other mechanical methods, the rate of application must be monorotional to the original tree size, not just the size of sorrout reproveth. methods, the rate of application must be proportional to the original tree size, not just the size of sprout regrowth USE PRECAUTIONS FOR RELEASE FOR GRID & SINGLE STEM Application of Velpar DF VU Herbicide basal soil spot treatments closer than 36 inches to conifer seedlings in their first season or directly up slope from these seedlings

may result in injury or mortality.

Use Velpar DF VU Herbicide on seedlings in their first or fourth year and older. Injury may result from use on two and three year old seedlings where root growth is extensive but hardiness is lacking.

RELEASE - HERBACEOUS WEED CONTROL

Noble fir

/U Herbicide is labeled for controlling herbaceous weeds where these pine species are grown

Loblolly pine Longleaf pine

WESTERN US Grand fir Blue spruce

Jeffrey pine Lodgepole pine Engleman spruce APPLICATION INFORMATION

EASTERN US
Apply Velpar DF VU Herbicide as a broadcast or banded spray in the spring prior to conifer budbreak to lessen conifer injury potential.

Rainbelt (areas of high spring rainfall): For best results, apply as a broadcast or banded spray in the late winter or spring when weeds are actively growing, but prior to national relates on time in spring rainfall). For best results, apply as a broadcast or banded spray in the late writer of spring writer weets are actively glowing, but prior to conifer budbreak. If application is made after conifer budbreak, use directional spray equipment to prevent contact with conifer foliage, as injury may result.

Snowbelt (areas of low spring rainfall): For best results, apply as a broadcast or banded spray in the fall before soil freezes and after the final resting bud has hardened on the conifers. Or, spring applications may be made after snow cover melts in anticipation of rainfall prior to conifer budbreak. Weed control results from spring treatments will be dependent on sufficient rainfall following application to activate Velpar DF VU Herbicide.

USE RATES The rates listed below are for broadcast application. For band application, use proportionately less. For example, use 1/2 of the broadcast rates when treating a 3-foot

Western hemlock

band where row spacing is 6 feet. Use the higher rate range for the harder to control (\*Suppression) weeds listed in the table below **EASTERN US** VELPAR DF VU HERBICIDE (Lb/Acre)

Soil Description	<u>First Year</u> Plantings	<u>Established</u> Trees
Loamy sand, sandy loam (50-85% sand)	1 1/3	1 1/3 - 1 2/3
Loam, silt loam, silt, sandy clay loam	1 1/3 - 1 1/2	1 2/3 - 2 1/3
Silty clay loam, clay loam, sandy clay, silty clay, clay.	1 1/2 - 1 8/10	2 1/3 - 2 2/3
Red pine only - Refer to labeled rates in the FORESTRY F	RELEASE -Use Rates Eastern US se	ection of the label.

ed rates in the FORESTRY RELEASE- Use Rates Western US section of the label

WEEDS CONTROLLED
Velpar DF VU Herbicide is labeled for the control or suppression of the following species in release sites:

Erigeron spp.
Setaria spp
Solidago spp
Solidago spp
Senecio vulgaris
Conyza canadensis
Dactylis glomerata
Panicum spp
Calamagrostis rubescens
Ambrosia artemisifiolia Aster spp Aster ericoides Asters Fleabane Aster heath Foxtail Echinochloa crus-galli Barnyardgrass Bentgrass Bluegrass, annual Brackenfern Echinochloa crus-ga Agrostis spp Poa annua Pteridium aquilinum Bromus spp Daucus carota Groundsel, common Horseweed/marestail Orchardgrass\* Brackenfern
Bromegrass
Carrot, wild
Crabgrass\*
Daisy, oxeye
Dandelion, common\*
Dandelion, false (spotted catsear)\*
Dock, curly\*
Fescue\*
Erromond\* Panicums Pinegrass Ragweed, common Ryegrass, Italian (annual) Ryegrass, perennial\* Smartweed, Pennsylvania Daucus carota
Digitaria spp
Leucanthemum vulgare
Taraxacum officinale
Hypochaeris radicata
Rumex crispus
Festuca spp
Chamerion angustifolium Ambrosia artemisitolia
Lolium multiflorum
Lolium perenne
Polygonum pensylvanicum
Ceanothus prostratus
Holcus lanatus Fireweed\*

\* Suppression - a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

Velpar DF VU Herbicide is labeled for impregnating or coating dry bulk fertilizer to be applied on forested sites for the establishment or release of conifer plantations (except longleaf pine) as specified on this label.

PLANTS CONTROLLED

Fertilizer impregnated with Velpar DF VU Herbicide is labeled for the control and suppression of the weeds and brush identified for the specific applications on this label.

Consult the appropriate segment of this label to determine the appropriate rate of Velpar DF VU Herbicide to be applied per acre. Apply this amount of Velpar DF VU Herbicide to the volume of fertilizer to be applied per acre.

IMPREGNATION EQUIPMENT

To impregnate or coat the fertilizer use a system consisting of consumer or closed down and to be applied per acre.

Consult the appropriate segment of this label to determine the appropriate rate of Velpar DF-VU Herbicide to the volume of fertilizer to be applied per acre.

IMPRECNATION EQUIPMENT
To impregnate or coat the fertilizer use a system consisting of conveyor or closed drum used to blend dry bulk fertilizer.

IMPRECNATION INSTRUCTIONS
To impregnate dry bulk fertilizer with Velpar DF-VU Herbicide, mix the amount as prescribed above in a sufficient quantity of water to uniformly coat the desired amount of fertilizer. Suspensions of Velpar DF-VU Herbicide will require thorough agitation.

Direct the spray nozzles of the impregnation equipment to deliver a fine spray of the mixture toward the fertilizer for thorough coverage while avoiding contact with mixing equipment. The use of a spray pattern indicator may be beneficial to visually determine the uniformity of impregnation of dry bulk fertilizer may vary. It absorption of the spray is not adequate, the use of an absorptive powder or additive, such as "Micro-cell® E" or "Hi-Sile" 233", may be required to produce a dry, free flowing mixture.

Apply the fertilizer as soon as possible after impregnation for optimum performance. Impregnated fertilizer may permanent of the spray is not adequate, the use of an absorptive powder or additive, such as "Micro-cell® E" or "Hi-Sile" 233", may be required to produce a dry, free flowing mixture.

Applications of impregnated fertilizer may be made by ground equipment or by air (helicopter or fixed wing). Accurate calibration and patterning of the equipment is essential for uniform distribution of the impregnated fertilizer on the soil surface.

USE PRECAUTIONS FOR FORESTRY—IMPRENATE FERTILIZER

If fertilizer materials are excessively dusty, use a suitable additive to reduce dust prior to impregnation. Application of dusty fertilizer which has been impregnated may result in off-target drift and injury to desirable vegetation. Such drift and associated injury may be aggravated by high wind conditions.

The dry fertilizer materials are

When applying Velpar DF VÜ Herbicide after transplanting, wait until rainfall has settled the soil around the base and root systems of the transplants before making the treatment.
Crop injury may occur when Velpar DF VU Herbicide is used:
On trees that show poor vigor, insect damage, disease, winter injury, 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, except Jeffrey pine and Ponderosa pine
On conifer foliage after conifer budbreak
On gravelly or rocky soils, exposed subsoils, clay knobs, sand, or sandy soil with 85% or more sand.

USE RESTRICTIONS FOR FORESTRY
Do not use Velpar DF VU Herbicide in nurseries, seedbeds, or ornamental plantings.
Do not use Velpar DF VU Herbicide on frozen soils; use in spring after snow melt.
Do not add a surfactant in applications over the top of conifers.
Livestock may be grazed immediately following a broadcast application of Velpar DF VU Herbicide at rates of 1.5 pounds per acre or less, and treated vegetation may be cut, dried, and fed after 38 days.
Do not cut treated vegetation for feed or graze livestock on treated areas for 60 days following application of Velpar DF VU Herbicide at broadcast rates exceeding 1.5 pounds per acre.

Do not cut treated vegetation for feed or graze livestock on treated areas for our days containing applications. Applications may be made over the top of planted pounds per acre.

Vellaor DF VU Herbicide is labeled for the control of herbaceous weeds in the establishment of yellow poplar plantations. Applications may be made over the top of planted seedlings after the soil has settled around the root systems but before the seedlings have broken dormancy (budbreak). A subsequent application may be made before dormancy break in the Spring of the second year. USE RATES: Use the rate range specified in the "RELEASE-HERBACEOUS WEED CONTROL" section for pine plantations eastern US.

For ground application, use sufficient spray volume for uniform and thorough coverage of the site to be sprayed, usually a minimum of 25 gallons per acre. For aerial applications, use a minimum of 5 gallons of water per acre. For broader spectrum control Velpar DF VU Herbicide may be tank mixed with Escort® XP Herbicide. Add Escort XP Herbicide at a rate of 1/2 ounce per acre with the prescribed rate of Velpar DF VU Herbicide made to yellow poplar seedlings that are suffering from loss of vigor caused by insects, disease, drought, winter damage, animal damage, excessive soil moisture, planting shock, or other stresses may injure or kill the seedlings.

• Applications of Velpar DF VU Herbicide and tank mixes of Velpar DF VU Herbicide and Escort XP Herbicide must only be made after adequate rainfall has closed the planting slit and settled the soil around the roots following transplanting.

• The use of surfactant with Velpar DF VU Herbicide is not advised for applications made over the tops of seedlings.

• Careful consideration must be given by an experienced and knowledgeable forester to ensure the specific growth requirements of yellow poplar will be provided by the selected planting is.

Calculations that the given by an experience and unimbrograms in the second of the seedlings.

PASTURE/RANGELAND

Velpar DF VU Herbicide is labeled for control of brush and weeds in pasture.

BERMUDAGRASS/BAHIAGRASS

Velpar DF VU Herbicide is labeled for control of smutgrass and other weeds in established stands of bermudagrass and bahiagrass.

APPLICATION INFORMATION

Make a single application of Velpar DF VU Herbicide per year when weeds are actively growing.

WEEDS CONTROLLED - USE RATES

Velpar DF VU Herbicide effectively controls the following weeds at the rates shown in pastures. Use a lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils (clay loam to clay) and on soils high in organic matter.

Barley, little Hordeum pusillum

Oxalis spp Barnyardgrass Echinochioa crus-galli Passionflower, maypop Passiflora incarnata Dogfennel Eupatorium capillifolium Pepperweed, Virginia Lepidium virginicum Festuca spp Piaweed Amaranthus spp Lespedeza Lespedeza cuneata Smutgrass' Sporobolus indicus

\* Suppression may result with some of the giant (larger) smutgrass species.

Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

SPRAY EQUIPMENT

9/10 (0.9) - 1 1/2 (1.5) Lb/Acre

Apply Velpar DF VU Herbicide uniformly over the desired area using ground equipment only. For ground application, use enough water for thorough coverage usually a minimum of 25 gallons per acre. The use of a surfactant may increase the potential for bermudagrass

or bahiagrass injury.
USE PRECAUTIONS FOR BERMUDAGRASS/BAHIAGRASS

USE PRÊCAUTIONS FOR BERMUDAGRASS/BAHIAGRASS

For bermudagrass that may be grown in the states of ID, OR,UT or WA, determine the suitability of using Velpar DF VU Herbicide by treating a small area at a labeled application rate prior to treating larger areas. The smaller treated area must be observed for any signs of herbicidal injury during 60 days of normal growing conditions to determine if the treatment is safe to bermudagrass. If this evaluation is not completed prior to use, the user assumes the responsibility for any plant damage or other liability resulting from the use of Velpar DF VU Herbicide on bermudagrass.

Some temporary discoloration of the bermudagrass or bahiagrass may occur after application.

Treatment of mixed pastures containing forage species other than bermudagrass or bahiagrass may result in injury or mortality to the other forage species.

Injury may result when desirable grasses are under stress from drought, insects, disease, cold temperature, or poor fertility.

Injury to or loss of desirable trees or other plants may result if Velpar DF VU Herbicide is applied or if equipment is drained or flushed on or near desirable trees or other plants, on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.

Severe crop injury may occur if applications are made on gravelly or rocky soils, thinly covered subsoils, or soils with less than 1% organic matter.

USE RESTRICTIONS FOR BERMUDAGRASS/BAHIAGRASS.

Use Velpar DF VU Herbicide only in stands of bermudagrass and bahiagrass established for at least one year. Do not treat newly sprigged or sodded areas.

USE RESTRICTIONS FOR DETAILUDATIONS OF THE RESTRICT OF THE RES

cut, dried, and fed after 38 days.

PASTURE/RANGELAND BRUSH CONTROL

Velpar DF VU Herbicide may be used either broadcast or as a basal-soil treatment for the control of undesirable brush in pasture or rangeland. APPLICATION INFORMATION

Apply Velpar DF VJ Herbicide from late winter through summer, pre-budbreak until new growth hardens off. 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.

For broadcast rates needed to control the species below, see the Forestry - Release, Use Rates section. **BRUSH CONTROLLED** 

Velpar DF VU Herbicide is labeled for the control or suppression of the following brush species in pasture and rangeland: Arctostaphylos patula Alder Ash Manzanita, Greenleaf

Alnus spp Fraxinus spp Populus spp Betula spp Nyssa sylvatica Magnolia virginiana Senegalia greggii Maple, red Mesquite Mulberry Acer rubrum Prosopis glandulosa Morus spp Morus spp Quercus spp Maclura pon Osage-orange Senegalia greggii
Juniperus virginiana
Prunus serotina
Melia azedarach
Ceanothus integerin
Comus fiorida
Ulmus Americana
Ulmus Americana
Ulmus Aparvifolia
Celtis occidentalis
Crataegus spp
Corylus spp
Carya spp
Acacia farnesiana
Juniperus spp
Robinia spp
Ziziphus obtusifolia Cedar. Eastern red Plum, wild Poplar, balsam Poplar, yellow Privit Diuspyros app Prunus americana Populus balsamifera Liriodendron tufipifera Ligustrum.spp Rosa multiflora Sassafras albidum Yucca glauca Ceanothus velutinus Oxydendrum arboreum Rhus spp Liquidambar spp Sapium sebiferum Myrica cerifera Aloysia gratissima Salix spp Cedar, Eastern red Cherry, black Chinaberry\* Deerbrush Dogwood, flowering\* Elm, American Elm, Chinese Hackberry, common Hazvel Hickory Huisache Juniper Locust Lotebush Privit
Rose, multiflora
Sassafras\*
Soapweed, small (yucca)
Snowbrush
Sourwood
Sumac
Sweetgum
Tallow, Chinese
Waxmyrtle
Whitebrush
Willow

\*Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as contro

SPRAY EQUIPMENT AND APPLICATION TECHNIQUES

SPRAY EQUIPMENT AND APPLICATION TECHNIQUES
Basal (Soil)—Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Apply the Velpar DF VU Herbicide
suspension with an exact-delivery handgun applicator. This equipment delivers a thin stream of predetermined volume when triggered. Apply the Velpar DF VU Herbicide
suspension at the rate of 2 to 4 ml for each inch of stem diameter at breast height. Direct the treatment to soil within 3 inches of the root collar of woody plants to be
controlled. When treating large stems and when more than one delivery of the Velpar DF VU Herbicide suspension is needed per stem, make applications
on opposite sides of the stem. Do not apply more than 1/3 gallon of the Velpar DF VU Herbicide suspension per acree per year. Intermittent agitation may be required to maintain the velpar DF VO HERDICIDE III SUSPENSION.
USE PRECAUTIONS FOR PASTURE/RANGELAND Injury to or loss of desirable trees or other plants may result if Velpar DF VU Herbicide is applied or if equipment is drained or flushed on or near desirable trees or other

plants, on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots Poor weed and brush control may result from the following:

Use on poorly drained sites Applications made when the soil is saturated with water and rain is imminent within 24 hours

Applications to soils high in organic matter (greater than 5%)

-Applications to soils high in organic matter (greater train 5%)
Following mechanical cutting or clearing, allow stumps and injured trees sufficient time to adequately resprout before applying Velpar DF VU Herbicide.
Leave treated soil undisturbed to reduce the potential for Velpar DF VU Herbicide movement by soil erosion due to wind or water.

Weed and brush control results depend on sufficient moisture to activate Velpar DF VU Herbicide. Weed and brush control results depend on sufficient
 USE RESTRICTIONS FOR PASTURE/RANGELAND

 Do not use Velpar DF VU Herbicide on frozen soils.
 When Velpar DF VU Herbicide is applied as a basal soil treatment, there is no restriction on grazing by domestic animals nor on cutting surrounding vegetation for forage • Livestock may be grazed immediately following a broadcast application of Velpar DF VU Herbicide at rates of 1.5 pounds per acre or less, and treated vegetation may be

cut, dried, and fed after 38 days.

• Do not cut treated vegetation for feed, or graze livestock on treated areas for 60 days following application of Velpar DF VU Herbicide at broadcast rates exceeding 1.5 pounds per acre.

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.

Use on non-crop sites including industrial turf grasses are not within the scope of the Worker Protection Standard. When applied as a spray do not enter or allow worker entry into treated grace, with grays have direct.

Dogbane\* Fiddleneck, tarweed

Filaree

APPLICATION INFORMATION par DF VU Herbicide is labeled for general weed and brush control as follows: uncultivated nonagricultural areas (such as, airports, highway, railroad and utility right-of y, sewage disposal areas; uncultivated agricultural areas (non-crop producing, which includes: farmyards, fuel storage areas, fence rows, barrier strips); industrial sites industrial sites in the property of the production of the produc

NON-CROP SITES

Echinochloa crus- galli

Convolvulus arvensis

Saponaria officinalis

Daucus carota

Stellaria media

bicide is labeled for control of many annual, biennial, and perennial weeds in non-crop sites APPLICATION INFORMATION

Apply Velpar DF VU Herbicide as a pr WEEDS CONTROLLED - USE RATE as a preemergence or postemergence spray when weeds are actively germinating or growing

Velgar DF VU Herbicide effectively controls the following weeds when applied at the use rates shown in industrial sites. When applied at lower rates, Velpar DF VU Herbicide provides short-term control of the weeds listed; when applied at higher rates, weed control is increased and extended.

Use lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils (clay loam to clay) and on soils high in organic matter.

Apocynum cannabinum

Amsinckia lycopsoides

Conyza canadensis

Lantana camara

Erodium spp

Orchardgrass (seedling)

0xalis

Paragrass

Dactylis glomerata

Urochloa mutica

Oxalis spp

Bindweed, field' Bouncingbet<sup>a</sup> Bromegrass

2 2/3 - 6 2/3 Lb/Acre Barnyardgrass

Bouncingoer Bromegrass Buffalograss* Burdock Cocklebur Crabgrass Crown vetch Curly dock* Dandelion, common* Dandelion, false (spotted catsear)*	Saponara omicinals Bromus spp Bouteloua dactyloides Arctium spp Xanthium spp Digitaria spp Securigera varia Rumex crispus Taraxacum officinale Hypochaeris radicata	Fladrane, flax-leaved Goatsbeard Goldenrod Horseweed/marestail Lespedeza Milkweed, common* Mustard, wild Nutsedge* Oats, wild* Orchardgrass*	Erotuum spp Conyza bonariensis Aruncus dioicus Solidago spp Conyza canadensis Lespedeza cuneata Asclepias syriaca Sinapis arvensis Cyperus spp Avena fatua Dactylis glomerata	raragrass Parsnip, wild Pigweed Purslane, common Quackgrass Ryegrass, Italian (annual) Smartweed Spurge Star thistle Trumpetcreeper*	urocinioa muiica Pastinaca sativa Amaranthus spp Portulaca oleracea Agropyron repens Lolium multiflorum Polygonum spp Euphorbia spp Centaurea spp Campsis radicans
8 - 10 2/3 Lb/Acre					
Aster, heath Bahiagrass* Bermudagrass* Blackberry Bluegrass Broomsedge Camphorweed Canada thistla*	Aster ericoides Paspalum notatum Cynodon dactylon Rubus spp Poa spp Andropogon virginicus Heterotheca subaxillaris Circium aguerosa	Clovers Dewberry Dogfennel Fescue* Fingergrass Foxtail Guineagrass	Trifolium spp Rubus trivialis Eupatorium capillifolium Festuca spp Digitaria ciliaris Setaria spp Panicum maximum	Lettuce, prickly Natalgrass (red top) Plantain Ragweed, common Smutgrass** Spanishneedles Vaseygrass	Lactuca serriola Melinis repens Plantago spp Ambrosia artemisiifolia Sporobolus indicus Bidens bipinnata Paspalum urvillei

\* Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.
\*\* Suppression may result with some of the giant (larger) smutgrass species. SPECIFIC WEED PROBLEMS

Horseweed/marestail

Lantana

Control of Canada Thistle in Crown Vetch - Velpar DF VU Herbicide is labeled for control of Canada thistle in established stands of crown vetch on noncrop sites. Make a

Carrot, wild

Chickweed, common

single application of 1-1 2/3lb of Velpar DF VU Herbicide from late spring through mid-summer, when thistle is actively growing prior to flowering. Do not use a surfactant Some discoloration of the crown vetch foliage may occur after application. SPRAY EQUIPMENT

SPRAY EQUIPMENT
Apply Velpar DF VVI Herbicide uniformly over the desired area using ground equipment or helicopter. Do not apply more than 8 lbs per acre by air.

Use enough water for thorough coverage. For ground application this is usually a minimum of 25 gallons per acre. Higher application volumes may be needed to obtain uniform application with handgun equipment. For aerial applications (helicopter only) this is usually a minimum of 5 gallons per acre. Higher volumes of water may be needed when water temperatures are cold or the higher rates of Velpar DF VVI Herbicide are used. NON-CROP BRUSH CONTROL

Velpar DF VU Herbicide is labeled for the control of undesirable brush in non-crop sites.

APPLICATION INFORMATION APPLICATION INFORMATION
Apply Velapr DF VUI Herbicide from late winter through summer, prebudbreak until new growth hardens off.
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

Apply 5 1/3 to 10 2/3 lb of Velpar DF VU Herbicide per acre as a coarse spray by ground equipment or 5 1/3 to 8 lb per acre by air (helicopter only). Use enough water for thorough coverage. For ground equipment, usually a minimum of 25 gallons per acre. For aerial equipment, usually a minimum of 10 gallons per acre. Higher volumes of water may be needed when water temperatures are cold or the higher rates of Velpar DF VU Herbicide are used.

BASAL (SOIL) SINGLE STEM TREATMENT BASAL (SUIL) SINGLE STEM TREATMENT MIX 22/3 pounds of Velpar DFVU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Apply the Velpar DFVU Herbicide suspension with an exact-delivery handgun applicator. This equipment delivers a thin stream of predetermined volume when triggered. Apply the Velpar DFVU Herbicide suspension at the rate of 2 to 4 ml for each inch of stem diameter at breast height.

Direct the treatment to the soil within 3 feet of the root collar of woody plants to be controlled.

For multi-stemmed and low-growing brush that have stem diameters that are difficult to determine, apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml per 3 feet of canopy width. For tall, slender (columnar) brush types, apply 4 to 8 ml per 3 feet of height. Base the rate on whichever canopy dimension is greater (width or basicht).

height). When treating brush that requires more than a single delivery of the Velpar DF VU Herbicide suspension, apply subsequent deliveries equally spaced around the target plant. If treating brush on sloping sites, apply most of the suspension on the uphill side of the stem. If treating resprouts from brush disturbed by cutting or other mechanical methods, the rate of application must be proportional to the original tree size, not just the size of sprout regrowth.

LACING/STREAKING - Mix Velpar DF VU Herbicide with water to form a concentrated suspension. Apply 5 1/32 to 10 2/3 lbs of Velpar DF VU Herbicide per acre. Adjust the application equipment to deliver a narrow or straight stream spray pattern such that the swath width on the soil surface is 6 to 12 inches wide. Direct the spray at the base of the brush. Swaths or treated bands must be 2 to 4 feet apart. Apply the lower volumes for coarse textured soils or soils with low organic matter and the higher volumes for fine textured soils or soils with high organic matter.

volumes for fine textured soils or soils with night organic matter. **USE RATES**Velpar DF VU Herbicide is labeled for the control or suppression of the following species in non-crop sites. Use lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils(clay loam to clay) and on soils high in organic matter.

Alder	Alnus spp	Hazel	Corylus spp	Privit	Ligustrum spp
Ash	Fraxinus spp	Hickory	Carya spp	Rose, multiflora	Rosa multiflora
Aspen	Populus spp	Huisache	Acacia farnesiana	Sassafras*	Sassafras albidum
Birch	Betula spp	Juniper	Juniperus spp	Soapweed, small	
Blackgum	Nyssa sylvatica	Locust	Robinia spp	(yucca)	Yucca glauca
Bay, sweet	Magnolia virginiana	Lotebush	Ziziphus obtusifolia	Snowbrush	Ceanothus velutinus
Catclaw acacia	Senegalia greggii	Manzanita, Greenleaf	Arctostaphylos patula	Sourwood	Oxydendrum arboreum
Cedar, Eastern red	Juniperus virginiana	Maple, red	Acer rubrum	Sumac	Rhus spp
Cherry, black	Prunus serotina	Mesquite	Prosopis glandulosa	Sweetgum	Liquidambar spp
Chinaberry*	Melia azedarach	Mulberry	Morus spp	Tallow, Chinese	Sapium sebiferum
Deerbrush	Ceanothus integerrimus	0aks	Quercus spp	Waxmyrtle	Myrica cerifera
Dogwood, flowering*	Cornus florida	Osage-orange	Maclura pomifera	Whitebrush	Aloysia gratissima
Elm, American	Ulmus Americana	Persimmon	Diospyros spp	Willow	Salix spp
Elm, Chinese	Ulmus parvifolia	Plum, wild	Prunus americana		
Hackberry, common	Celtis occidentalis	Poplar, balsam	Populus balsamifera		
Hawthorn	Crataegus spp	Poplar, yellow	Liriodendron tulipifera		
Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.					

INDUSTRIAL TURFGRASS

Velpar DF VU Herbicide is labeled for selective weed control in established stands of bermudagrass and/or bahiagrass in noncrop areas.

APPLICATION TIMING

APPLICATION TIMING
Make a single application of Velpar DF VU Herbicide per year when weeds are actively growing.

WEEDS CONTROLLED - USE RATE

Velpar DF VU Herbicide effectively controls the following weeds at the rates shown in industrial turf (unimproved only). Use a lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils (clay loam to clay) and on soils high in organic matter. 9/10 (0.9) -1 1/2 (1.5) Lb/Acre

Barley, little

Hordeum pusillum
Echinochloa crus-galli
Eupatorium capillifolium
Passionflower, maypop
Pannapused Virginia Lespedeza cuneata Pigweed Smutgrass\* Amaranthus spp Sporobolus indicus Barnyardgrass Dogfennel Oxalis spp Passiflora incarnata Festuca spp Lepidium virginicum \*Suppression may result with some of the giant (larger) smutgrass species.

Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

SPRAY EQUIPMENT

Apply Velgar DFVU Herbicide uniformly over the desired area using ground equipment only.

Apply Velgar DFVU Herbicide uniformly over the desired area using ground equipment only.

For ground application, use enough water for thorough coverage usually a minimum of 25 gallons per acre. The use of a surfactant is not advised.

USE PRECAUTIONS FOR ALL NON-CROP SITES

ISE PRECAUTIONS FOR ALL NON-CROP SITES
For bermudagrass that may be grown in the states of ID, OR, UT or WA, determine the suitability of using Velpar DF VU Herbicide by treating a small area at a labeled application rate prior to treating larger areas. The smaller treated area must be observed for any signs of herbicidal injury during 60 days of normal growing conditions to determine if the treatment is safe to bermudagrass. If this evaluation is not completed prior to use, the user assumes the responsibility for any plant damage or other liability resulting from the use of Velpar DF VU Herbicide on bermudagrass.
Injury to or loss of desirable trees or other plants may result if Velpar DF VU Herbicide is applied or if equipment is drained or flushed on or near desirable trees or other plants, on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.

Application spray drift may injure desirable plants.

Poor weed and brush control may result from the following:
-Use on poorly drained sites.

Poor weed and fursh control may result from the following:

 Use on poorly drained sites
 Applications made when the soil is saturated with water and rain is imminent within 24 hours.
 Applications made when the soil is saturated with water and rain is imminent within 24 hours.
 Applications to soils high in organic matter (greater than 5%).
 Following mechanical cutting or clearing, allow stumps and injured trees sufficient time to adequately resprout before applying Velpar DF VU Herbicide.

 Leave treated soil undisturbed to reduce the potential for Velpar DF VU Herbicide movement by soil erosion due to wind or water.
 Some discoloration of the bermudagrass or bahiagrass turfgrasses may occur after application.
 Injury may result when desirable turfgrasses are under stress from drought, insects, disease, cold temperature, or poor fertility.
 Severe turfgrass injury may occur if applications are made on gravelly or rocky soils, thinly covered subsoils, or soils with less than 1% organic matter.
 For Velpar DF VU Herbicide areas above 8 pounds per acre, do not cut treated vegetation for forage or hay nor graze domestic animals for 1 year following application.
 Use RESTRICTIONS FOR ALL NON-CROP SITES
 Do not use Velezar DF VU Herbicide on frozen soils

USE RESTRICTIONS FOR ALL NON-CROP SITES

Do not use Velpar DF VU Herbicide on frozen soils.

Do not use Velpar DF VU Herbicide on frozen soils.

Do not use Velpar DF VU Herbicide on favens, driveways, tennis courts, or other residential or recreational areas.

Weed and brush control results from spring applications depend on sufficient moisture to activate Velpar DF VU Herbicide.

Livestock may be grazed immediately following a broadcast application of Velpar DF VU Herbicide at rates of 1.5 pounds per acre or less, and treated vegetation may be cut, dried, and fed after 38 days.

Do not cut treated vegetation for feed, or graze livestock on treated areas for 60 days following application of Velpar DF VU Herbicide at broadcast rates greater than 1.5 pounds and up to 8 pounds per acre.

There are no grazing or haying restrictions for the directed basal-soil applications of Velpar DF VU Herbicide.

Use Velpar DF VU Herbicide only in stands of bermudagrass and bahiagrass turfgrasses established for at least one year. Do not treat newly sprigged or sodded areas.

ADDITIONAL INSTRUCTIONS, PRECAUTIONS, AND RESTRICTIONS FOR AGRICULTURAL AND NON-AGRICULTURAL USES

SPRAY TANK CLEAN OUT STRAT TANK CLEAR UDI
Thoroughly clean all traces of Velpar DF VU Herbicide from application equipment immediately after use. Flush the tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately). Dispose of the equipment wash water by applying it to a use-site listed on this label.

SPRAY DRIFT MANAGEMENT

s. Avoiding spray drift is the responsibility of the applicator IMPORTANCE OF DROPLET SIZE

IMPORTANCE OF DROPLES ISIZE.

The most effective drift management strategy is to apply the largest droplets which are consistent with pest control objectives. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions.

A droplet size classification system describes the range of droplet sizes produced by spray nozzles. The American Society of Agricultural and Biological Engineers (ASABE) provide a Standard that describes droplet size spectrum categories defined by a number of reference nozzles (fine, coarse, etc.). Droplet spectra resulting from the use of a specific nozzle may also be described in terms of volume mean diameter (VMD). Coarser droplet size spectra have larger VMD's and lower drift potential.

CONTROLLING DROPLET SIZE- GROUND APPLICATION.

CONTROLLING DROPLET SIZE- GROUND APPLICATION Nozzle Type- Select a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. The use of low-drift nozzles will reduce drift potential.

ornt nozzies will reduce drift potential.

Pressure – The lowest spray pressures recommended for the nozzle produce the largest droplets. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, using a higher-capacity nozzle instead of increasing pressure results in the coarsest droplet spectrum.

Flow Rate/Orifice Size- Using the highest flow rate nozzles (largest orifice) that are consistent with pest control objectives reduces the potential for spray drift. Nozzles with higher rated flows produce coarser droplet spectra.

CONTROLLING DROPLET SIZE- AIRCRAFT

CONTROLLING DROPLET SIZE- AIRCRAFT

Nozzle Dyne-Solid stream, or other low drift nozzles produce the coarsest droplet spectra.

Number of Nozzles- Using the minimum number of nozzles with the highest flow rate that provide uniform coverage will produce a coarser droplet spectrum.

Nozzle Orientation- Orienting nozzles in a manner that minimizes the effects of air shear will produce the coarsest droplet spectra. For some nozzles such as solid stream, pointing the nozzles straight back parallel to the airstream will produce a coarser droplet spectrum than other orientations.

Pressure - Selecting the pressure that produces the coarsest droplet spectrum for a particular nozzle and airspeed reduces spray drift potential. For some nozzle types such as solid streams, lower pressures can produce finer droplet spectrum for a particular nozzle and airspeed reduces spray drift potential. For some nozzle types such as solid streams, lower pressures can produce finer droplet spectra and increase drift potential.

BOOM LENGTH (AIRCRAFT), AND APPLICATION HEIGHT

Boom Length (aircraft) - Juing shorter booms decreases drift potential. Boom lengths are expressed as a percentage of an aircraft's wingspan or a helicopter's rotor blade diameter. Shorter boom length and proper positioning can minimize drift caused by wingtip or rotor vortices.

Application Height (aircraft) - Applications made at the lowest height that are consistent with pest control objectives and the safe operation of the aircraft will reduce the potential for spray drift.

Application regint (antifat) - Applications induce a the lowest neight that all consistent with potential for spray drift.
 Application Height (ground) - Applications made at the lowest height consistent with pest control objectives, and that allow the applicator to keep the boom level with the application site and minimize bounce, will reduce the exposure of spray droplets to evaporation and wind, and reduce spray drift potential.

Drift potential is lowest when applications are made in light to gentle sustained winds (2-10 mph), which are blowing in a constant direction. Many factors, including droplet size and equipment type also determine drift potential at any given wind speed. AVOID GUSTY OR WINDLESS CONDITIONS.

Local termin can also influence wind patterns. Every applicator is expected to be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY Setting up equipment to produce larger droplets to compensate for droplet evaporation can reduce spray drift potential. Droplet evaporation is most severe when conditions are both hot and dry. SURFACE TEMPERATURE INVERSIONS

SURFACE LEMPERATURE INVESTIONS

Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which may cause small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Mist or fog may indicate the presence of an inversion in humid areas. Inversions may also be identified by producing smoke and observing its behavior. Smoke that remains close to the ground, or moves laterally in a concentrated cloud under low wind conditions indicates a surface inversion. Smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are minimizing drift potential and not interfering with uniform denosition of the product potential and not interfering with uniform deposition of the AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS
Ar assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, that it is configured properly, and that drift potential has been minimized.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Read the specific crop use and application equipment instructions to determine if an air assisted field crop sprayer can be used.

SENSITIVE AREAS

Making applications when there is a sustained wind moving away from adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is an effective way to minimize the effect of spray drift.

DRIFT CONTROL ADDITIVES

Using product compatible drift control additives can reduce drift potential. When a drift control additive is used, read and carefully observe cautionary statements and all other information on the additive's label. If using an additive that increases viscosity, ensure that the nozzles and other application equipment will function properly with a viscous spray solution. Preferred drift control additives have been certified by the Chemical Producers and Distributors Association (CPDA).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

Pesticide Storage: Store product in original container only. Store in a cool, dry place.

Pesticide Disposal: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 50 Pounds): Nonrefillable container. Do not reuse or refill this container. Triple rinsr

Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 50 Pounds): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available 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, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers (Capacity Greater Than 50 Pounds): Nonrefillable container. Do not reuse or refill this container. Triple rinse container or equivalently promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available 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, or (b) for Metal Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved

local authorities.

Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):
Nonrefillable container. Do not reuse or refill this container. Pressure rinse as follows: Empty the remaining product contents into application equipment or a mix tank.
Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip. Pour or pump rinsate into application equipment or rinsate localection system. Then, (a) for Plastic Containers, offer for recycling if available or pructure 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, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Nonrefillable Paper or Plastic Bags, Fiber Sacks including Flexible Intermediate Bulk Containers (FIBC) or Fiber Drums With Liners: Nonrefillable container. Do not reuse or refill this container. Completely empty paper or plastic bag, fiber sack or did not intermediate Bulk Containers of empty paper or plastic bag, fiber sack or fiber drum only applications or manufacturing equipment. Then offer for recycling if available or dispose of empty paper or plastic bag, fiber sack or fiber drum only applications only to smoke.

Refillable Fiber Drums With Liners: Refillable container (fiber drum only). Refilling Fiber Drum: Refill this fiber drum with Velpar DF VU Herbicide containing hexaltone on or no or the very since the proper drum on the proper drum of the proper drum

remaine riber bruins with Lines's relinance container (niber druin only), healthing riber bruin kenn us in ord until with verplap by Vo recontainer (niber druin for any other purpose. Cleaning before refilling is the responsibility of the refiller. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Disposing of Fiber Drum and/or Liner: Do not reuse this fiber druin for any other purpose other than refilling (see preceding). Cleaning the container (liner and/or fiber druin) before final disposal is the responsibility of the person disposing of the container. Offer the liner for recycling if available or dispose of liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning, if burned, stay out of smoke. If druin is contaminated and cannot be reused, dispose of it in the manner required for its liner. To clean the fiber druin

before final disposal, completely empty the fiber drum by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manu-facturing equipment. Then offer the fiber drum for recycling if available or 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.

All Other Refillable Containers: Refillable container. Refilling Container: Refill this container with Velpar DF VU Herbicide containing hexazinone only. Do not reuse

All Other Refillable Containers: Refillable container. Refilling Container: Refill this container with Velpar DF VU Herbicide containing hexazinone only. Do not reuse this container any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by inclineration, or, if allowed by state and local authorities, by burning; if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Obuble Packets (MSP): Nonrefilable container. Do not trause or refill this container. Offer for recycling if available or, dispose of the empty outer foil pouch in the trash as long as WSP is unbroken. If the outer pouch contacts the formulated product in any way, the pouch must be triple rinsed with clean water. Add the rinsate to the spray tank and dispose of the outer pouch as described previously.

Do not transport if this container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire, or o

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CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY Read the entire Directions for Use, Conditions, Disclaimer of Warrant unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Bayer CropScience LP. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such IN THE SECOND CONSEQUENCE OF THE SECOND CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. NO agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE ON LANDING OF THIS PROPRIET.

OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIBBILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

Produced for: Bayer Environmental Science A Division of Bayer CropScience LP 5000 CentreGreen Way, Suite 400

Bayer





### **HERBICIDE**

**Dispersible Granules** [3-cyclohexyl-6-(dimethylamino) -1-methyl-1,3,5-triazine-2,4(1H,3H)-dione] Other Ingredients..... 100%

**KEEP OUT OF REACH OF CHILDREN** DANGER

Net Weight: 20 Pounds Nonrefillable Container 200129AV1

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for

e.

2: Call a poison control center or doctor immediately for
e. Have person sip a glass of water if able to swallow. Do
iting unless told to do so by a poison control center or
ive anything by mouth to an unconscious person.
ICIAN: Probable mucosal damage may contraindicate the

### PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive, causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin. Wash thoroughly with soap and water after handling.
PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must we

Long-sleeved shirt and long pants

s nlus socks

Shous plus SUCKS
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 exist, 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. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product and as soon as possible wash thoroughly and put on clean clothing.

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, hexazionnee, 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.

DIRECTIONS FOR USE

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

Velpar® DF VU Herbicide must be used only in accordance with instructions on this label or in supplemental BAYER CROPSCIENCE labeling.

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.

The correct use rates by 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.

## PRODUCT INFORMATION

Velpar DF VU Herbicide is a water-dispersible granule that is mixed in water and applied as a spray for weed control in Christmas trees, forestry site preparation and release areas, and industrial areas. It may also be applied as a basal soil treatment for brush control in reforestation areas, rangeland, pastures, and noncrop areas.

Velpar DF VU Herbicide is an effective general herbicide providing both contact and residual control of many annual and biennial weeds and woody plants. It is also effective for control of most perennial weeds.

Velpar DF VU Herbicide is noncorrosive to equipment.

Care must be exercised when applying Velpar DF VU Herbicide near desirable trees or shrubs as they can absorb Velpar DF VU Herbicide through roots extending in to treated

areas.

This product may be applied on agricultural and non-agricultural sites that contain areas of temporary surface water caused by collection of water between planting beds, in equipment ruts, or in other depressions created by management activities. It is permissible to treat intermittent drainage, intermittently flooded low lying sites, seasonally dry flood plains, and transitional areas between upland and lowland sites when no water is present. It is also permissible to treat marshes, swamps, and bogs after water has receded, as well as seasonally dry flood deltas. DO NOT make applications to natural or man-made bodies of water such as lakes, reservoirs, ponds, streams, and canals.

## CANAIS. ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

Velpar DF VU Herbicide is absorbed through the roots and foliage. Moisture is required to activate Velpar DF VU Herbicide in the soil. Best results are obtained when the soil is moist at the time of application and 1/4-1/2 inches of rainfall occurs within 2 weeks after application. For best results, apply Velpar DF VU Herbicide premergence or postemergence when weeds are less than 2 inches in height or diameter. Herbicidal activity is most effective under conditions of high temperature (above 80 °F), high humidity, and good soil moisture. Herbicidal activity may be reduced when vegetation is dormant, semi-dormant, or under stress (e.g. temperature or moisture).

Herbicidal activity will usually appear within 2 weeks after application to susceptible plants under warm, humid conditions; while 4--6 weeks may be required when weather is cool or dry, or when susceptible plants are under stress. If rainfall after application is inadequate to activate Velpar DF VU Herbicide in the soil, plants may recover from contact effects and continue to grow.

On woody plants, symptoms usually appear within 3-6 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.

• Use rate

Use rate

- Weed spectrum and size at time of application

Environmental conditions at and following treatment
Where a rate range is shown, use the higher levels of the dosage range on hard-to-control species, fine-textured soils, or soils containing greater than 5% organic matter
or carbon. Use the lower levels of the dosage range on coarse-textured soils and/or on soils low in organic matter. Refer to specific uses for rate ranges.

APPLICATION INFORMATION

APPLICATION INFORMATION

Velpar DF VI Herbicide may be applied by ground equipment and, where permitted, aerial equipment. Use rates, minimum spray gallonage, and other application information are described for various uses.

Dispose of the equipment washwater by applying it to a use-site listed on this label or in accordance with directions given in the "Storage and Disposal" section of this label. Before spraying, calibrate equipment to determine the quantity of water necessary to uniformly and thoroughly cover the vegetation and soil in a measured area to be treated. Make sure the volume of water is sufficient to completely suspend the Velpar DF VU Herbicide.

TANK MIXTURES

Valency DF VII Herbicide may be tank mixed with other harbicides and for adjuvants registered for the uses specified in the label.

Velpar DF VI Herbicide may be tank mixed with other herbicides and /or adjuvants registered for the uses specified in the label.

Refer to the label of the tank mix partner(s) for any additional use instructions or restrictions. The most restrictive label provisions apply. If other label instructions conflict with this label do not tank mix the herbicide and/or adjuvant with Velpar DF VU Herbicide.

INVASIVE SPECIES MANAGEMENT
This product may be considered for use on public, private, and tribal lands to treat certain weed species infestations that have been determined to be invasive, consistent with the Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW) National Early Detection and Rapid Response (EDRR) System for invasive plants. Effective EDRR systems address invasions by eradicating the invader where possible, and controlling them when the invasive species is too established to be feasibly eradicated. Once an EDRR assessment has been completed and action is advised, a Rapid Response needs to be taken to quickly contain, deny reproduction, and if possible eliminate the invader. Consult your appropriate state extension service, forest service, or regional multidisciplinary invasive species management coordination team to determine the appropriate Rapid Response provisions and allowed treatments in your area.

RESISTANCE

Veloar DE VII Herbicide, which contains the active incredient because on the Activity Exception of the contains the active incredient because on the Contains the Activity Exception of the Contains the Contains the Activity Exception of the Contains the Activity Exception of the Contains the Activity Exception of the Contains the Contains the Contains the Activity

Veloar DF VU Herbicide, which contains the active ingredient hexazinone, is a Group 5 herbicide based on the mode of action classification system of the Weed Science Society of America

Society of America.

When herbicides with mode of action classifications that affect the same biological sites of action are used repeatedly over several years to control the same weed species in the same treatment area, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that area. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different biological site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to see will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide in-structions available in your area.

## structions available in your area. INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

AGRICULTURAL 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, no-tification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that accovered by the Worker Protection Standard. 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 applica-

tion.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 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

Chemical resistant gloves made of any waterproof material

Maine

Shoes plus socks Protective eyewear

### CHRISTMAS TREES

Velpar DF VU Herbicide is labeled for control of certain weeds where the following species are grown:

Fir, Douglas (western US only) Pseudotsuga menziesii Pine, loblolly Pinus taeda Abies fraseri Abies grandis Pine, ponderosa Pine, Scotch Fir, Frase Pinus ponderosa Fir, grand Pinus sylvestris Fir, noble Pine, Austrian Abies procera Pinus nigra Spruce, Sitka Picea sitchensis

New Hampshire

Unless otherwise directed in separately published BAYER CROPSCIENCE LP instructions, do not use Velpar DF VU Herbicide on Christmas trees in the following states:

Alabama Georgia Maryland New Jersey Rhode Island Virginia Arkansas Florida Massachusetts New York South Carolina West Virginia Connecticut Louisiana Mississippi North Carolina Texas

Delaware

APPLICATION INFORMATION
EASTERN US
Apply Velpar DF VU Herbicide as a broadcast spray in the spring prior to budbreak. If application is made after budbreak, use directional spray equipment to prevent contact with foliage.

Pennsylvania

Vermont

### WESTERN US

Areas of greater than 20 inches annual rainfall - Velpar DF VU Herbicide may be applied as a broadcast spray in the spring prior to conifer budbreak. If application is made

after budbreak, use directional spray equipment to prevent contact with foliage.

Areas of less than 20 inches annual rainfall - Velpar DF VU Herbicide may be applied in the fall before the soil freezes or in the spring after snow cover melts, but before conifer budbreak occurs.

### USE RATES

The rates listed below are for broadcast application. For band application, use proportionately less; for example, use 1/2 of the broadcast rates when treating a 3-foot band where row spacing is 6 feet. Use the higher end of the rate range on the heavier soil type. Do not use more than one application of Velpar DF VU Herbicide per year.

Velpar DF VU Herbicide (Lb/Acre)

Soils	First Year Plantings	Established Trees
Coarse Texture Loamy sand, sandy loam (50-85% sand)	1 1/3	1 1/3 - 1 2/3
Medium Texture Loam, silt loam, silt, clay loam, sandy clay loam	1 1/3 - 1 2/3	1 2/3 - 2 1/3
Fine Texture Silty clay loam, clay loam, sandy clay, silty clay, clay	1 2/3 - 2	2 1/3 - 2 2/3
First year plantings - Transplant stock that is 2 years old or mo	re (1 year old for loblolly pine). Apply Velpar	DF VU Herbicide only if rainfall

has settled the soil around the base and root systems of the transplants. Established trees - Trees that have been planted in the plantation for 1 year or more

### WEEDS CONTROLLED

Velpar DF VU Herbicide is labeled for the control or suppression of the following weed species in Christmas tree crops:

Aster, heath\* Aster ericoides Echinochloa crus-galli Fescue<sup>3</sup> Festuca spp Barnyardgrass Fleabane Conyza spp Bentgrass, common Bluegrass, annual Agrostis alba Poa annua Foxtail Setaria spp Solidago spp Goldenrod' Groundsel, common Horseweed/marestail Bromegrass Burnweed, American\* Bromus spp Erechtites hieracifolius Senecio vulgaris Conyza canadensis Dactylis glomerata Ambrosia elatior Carrot, wild Daucus carota Orchardgrass' Ragweed, common Ryegrass, Italian (annual) Crabgrass\* Digitaris spp Curly dock\* Lolium multiflorum Rumex crispus Chrysanthemum leucanthemum Taraxacum officinale Ryegrass, perennial\* Smartweed, Pennsylvania Daisy, oxeye Lolium perenne Dandelion, common\* Taraxacum officinale
Dandelion, false\* (spotted catsear)

Hypochaeris radicata Polygonum pensylvanicum Velvetgrass, common Holcus lanatus

### SPRAY EQUIPMENT

Velpar DF VU Herbicide may be applied by ground equipment or by air.
Select a spray volume that will ensure a thorough and uniform application. Apply a minimum of 5 gallons per acre by air and a minimum of 10 gallons per acre by ground equipment

### **USE PRECAUTIONS FOR CHRISTMAS TREES**

- Weed control results from spring applications depend on sufficient moisture to activate Velpar DF VU Herbicide.
   Poor weed and brush control may result from the following:
- Heavy duff or slash present at the time of application
- -Use on poorly drained sites.
  -Applications made when soil is saturated with water and rain is imminent within 24 hours.
- -Applications to soils high in organic matter (greater than 5%).
  Injury may occur when Velpar DF VU Herbicide is used on the following:

- -Trees that show poor vigor, insect damage, disease, winter injury, or other stress conditions.
  -Any soil containing less than 1% organic matter.
- -Loamy sand or sandy loam with less than 2% organic matter (except Jeffrey Pine and Ponderosa Pine).
   -Foliage after budbreak.
- -Gravelly or rocky soils, exposed subsoils, clay knobs, sand, or sandy soil with 85% or more sand. USE RESTRICTIONS FOR CHRISTMAS TREES

### Do not use Velpar DF VU Herbicide in nurseries, seed beds, or ornamental plantings.

- . Do not add a surfactant in applications over the top of conifers.
- Livestock may be grazed immediately following a broadcast application of Velpar DF VU Herbicide at rates of 1.5 pounds per acre or less, and treated vegetation may be
- cut, dried, and fed after 38 days.

  Do not cut treated vegetation for feed, or graze livestock on treated areas for 60 days following application of Velpar DF VU Herbicide at broadcast rates exceeding 1.5
- pounds per acre.
  FORESTRY

FURESTRY
SITE PREPARATION
Velpar DF VU Herbicide is labeled for weed and brush control in areas where the following species are grown:
EASTERN US AND LAKE STATES

Fir. balsam Abies balsamea Pine, shortleaf Pinus echinata Pine, Austrian Pine, loblolly Pine, longleaf Pinus negra Pinus taeda Pine, slash Pine, Virginia Pinus elliottii Pinus virginiana Pinus palustris Spruce, black Picea mariana Pinus ponderosa Spruce, red Pine, ponderosa Picea rubens Spruce, white Pine, red Pinus resinosa Picea glauca Pine, Scotch Pinus sylvestris

### WESTERN US

Fir Douglas Pine, lodgepole Pseudotsuga menziesii Pinus contorta Abies grandis Abies procera Pine, ponderosa Pinus ponderosa Fir. Noble Spruce, blue Picea pungens Abies concolor Pinus jeffreyi Spruce, Engleman Spruce, Sitka Picea englemannii Picea sitchensis Fir, white Pine, Jeffrey

<sup>\*</sup> Suppression - a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

### APPLICATION INFORMATION

FASTERN US

Apply Velpar DF VU Herbicide from early spring to early summer after hardwoods have broken bud and before the foliage has hardened off.

VELPAR DF VU (Lb/Acre)

Soils Fastern US Coarse Texture Sand, loamy sand, sandy loam 2 2/3-4 Medium Texture Loam, silt loam, sandy clay loam 4 - 5 1/3 Fine Texture Silty clay loam, clay loam, sandy clay, silt, silty clay, clay 5 1/3 - 6 2/3

The rates listed are for broadcast application. Use the lower rates on coarse textured soils and soils low in organic matter. Use the higher rates on fine textured soils and soils high in organic matter. Use the higher rates where weeds identified with an\* in the Weeds Controlled list predominate

### WESTERN US

WESTERN US
For SITE PREPARATION, Velpar DF VU Herbicide may be applied at 1.3 to 4 pounds per acre. Use the lower rates on coarse textured soils and soils low
in organic matter. Use the higher rates on fine textured soils and soils high in organic matter. Use the higher rates where weeds identified in this label
as "suppression" predominate.
In areas where other conifer species may be mixed in with the conifers listed above, Velpar DF VU Herbicide may be applied if the user has prior experience with Velpar
DF VU Herbicide on the other conifer species. With no prior experience, it is advised that either a small area of plantings be tested for conifer safety prior to treating larger
areas, or make no application of Velpar DF VU Herbicide in these areas within the site preparation area. Conifer species that are sensitive to Velpar (hexazinone) DF VU Herbicide, such as, sugar pine and western larch, require 18 months before interplanting on treated sites.

Applications made to shelter wood sites may also result in mortality to over-story conifers. Factors that may influence conifer sensitivity in these sites could include
application rate, conifer species, soil characteristics, uniformity of spray distribution across the treatment swath, and environmental stress.

Rain Betl (areas of high spring rainfall): For best results, apply in late winter or spring when weeds and brush are actively growing.

Snow Betl (areas of low spring rainfall): For best results, apply in the fall before soil freezes, or in the spring after snow cover melts in anticipation of rainfall. Weed and
brush control results from spring applications will be dependent on sufficient rainfall following application to activate Velpar DF VU Herbicide.

PLANTS CONTROLLED

PLANTS CONTROLLED

Velpar DF VVI Herbicide is labeled for the control or suppression of the following species in site preparations for forestry crops: HERBACEOUS PLANTS

Asters Aster spp Aster ericoides Echinochloa crus-galli Setaria son Foxtail Aster, heath\*
Barnyardgrass
Bentgrass Goldenrod\* Groundsel, common Horseweed/marestail Selana spp Solidago spp Senecio vulgaris Conyza canadensis Agrostis spp Bluegrass, annual Poa annua Mullein common<sup>3</sup> Verbascum thapsus Bromegrass Bromus snn Orchardorass3 Dactylis glomerata Bromegrass
Carrot, wild
Crabgrass\*
Daisy, oxeye
Dandelion, common\*
Dandelion, false\* (spotted catsear) Digitaria spp
Digitaria spp
Chrysanthemum leucanthemum
Taraxacum officinale Pinegrass
Quackgrass\*
Ragweed, common
Ryegrass, Italian (annual) Calamagrostis rubescens Agropyron repens Ambrosia elatior Lolium multiflorum Hypochaeris radicata Ryegrass, perennial\* Smartweed, Pennsylvania Lolium perenne Polygonum pensylvanicum Ceanothus prostratus Cirsium arvense Holcus lanatus Dock, curly Rumex crisnus Elksedge Fescue\* Fireweed\*(willowweed) Fleabane Carex geyeri Festuca spp Epilobium angustifolium Conyza spp Squawcarpet
Thistle, Canada\*
Velvetgrass, common

For western US site preparation, apply at 4 pounds per acre.

### WOODY PLANTS

Hickory Honeysuckle\* Manzanita, Greenleaf Carya spp Lonicera spp Arctostaphylos patula Acer rubrum Quercus spp Populus balsamifera Fraxinus snn Ash Aspen, big tooth Aspen, trembling Birch Populus grandidentata Populus tremuloides Betula spp Nyssa sylvatica Maple, red Blackgum 0aks Poplar, balsam Cherry, black Prunus serotina Ceanothus velutinus Oxydendrum arboretum Liquidambar spp Salix spp Deerbrush Ceanothus integerrimus Snowhrush Dogwood, flowering\* Elm Hawthorn Comus florida
Ulmus spp
Crataegus spp Sourwood\* Sweetgum Willows Corylus spp Hazel

\* Suppression is a visible reduction in plant competition (reduced population and/or vigor) as compared to an untreated area. Degree of suppression will vary with rate applied, size of plants at application, and environmental conditions following treatment. Species indicated above, especially resprouts of these species, may require a follow up treatment for acceptable control. Burning, as a follow up treatment, will enhance control of resprouts.

Within several weeks after Velpar DF VU Herbicide activation by rainfall, affected vegetation may be burned, if desired. This burn may further enhance control of vegetation. Burn the vegetation only after any residual stand is completely defoliated, at least twice, allowing for sufficient root uptake of Velpar DF VU Herbicide. In the West, results may take one to two years in areas of low rainfall.

SPRAY EQUIPMENT

When applied as a liquid spray using water as the carrier, Velpar DF VU Herbicide may be applied by ground equipment or by air (helicopter only).
For ground application, use enough water for thorough coverage, usually a minimum of 25 gallons per acre. For aerial applications, use at least 5 gallons of water per

GRID APPLICATION

Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Intermittent agitation may be required to maintain the Velpar DF VU Herbicide in suspension.

Apply the Velpar DF VU Herbicide suspension directly to the soil surface in a grid pattern using an exact delivery handgun applicator. This equipment delivers a thin stream of predetermined volume. Velpar DF VU Herbicide must be applied during the period from hardwood budbreak to early summer.

Application rate and grid pattern will depend on soil texture and woody plant composition. Use the lower rates on coarse textured soils and when the major component of the hardwoods are susceptible species. Use the high rates on fine-textured soils and where weeds identified in this label as "partial control or suppression" predominate.

Application Patterns and Rates For Velpar DF VU Herbicide Suspension

	WL/Sput	unu (n.)	LD/ACI C
Coarse	0.6	3X3	2
	2.0	4X4	4
	3.1	4X6	4
Medium/Fine	1.6	3X3	5.3
	2.8	4X4	5.3
	3.5	4X4	6.6
	5.2	4X6	6.6

BASAL (SOIL) SINGLE STEM TREATMENTS

Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Apply the Velpar DF VU Herbicide suspension with an exact-delivery handgun applicator. This equipment delivers a thin stream of predetermined volume when triggered. Apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml for each inch of stem diameter at breast height. Direct the treatment to the soil within 3 feet of the root collar of woody plants to be controlled. For multi-stemmed and low-growing brush that have stem diameters that are difficult to determine, apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml per 3 feet of canopy width. For tall, slender (columnar) brush types, apply 4 to 8 ml per 3 feet of height. Base the rate on whichever canopy dimension is greater (width or height). Apply the lower volumes for coarse textured soils or soils with high organic matter

When the action is desired, burn the vegetation only after any residual brush has completely defoliated, at least twice, allowing for sufficient root uptake of Velpar DF VU

Herbicide.

Picea abies Picea rubens

Following harvest, allow sufficient time for stumps and injured trees to adequately resprot FORESTRY- RELEASE Velpar DF VU Herbicide is labeled for conifer release where the following species are grown: EASTERN US AND LAKE STATES allow sufficient time for stumps and injured trees to adequately resprout before applying Velpar DF VU Herbicide.

Abies balsamea Pinus taeda Pinus palustris Fir, balsam Pine, loblolly Pine, longleaf Pine, shortleaf Pine, slash Pine, Virginia Pinus echinata Pinus elliotti Pinus virginiana Spruce, Norway Spruce, red Spruce, white Picea glauca Pine, red Pinus resinosa Spruce, black Picea mariana WESTERN US Fir, Douglas Pseudotsuga menziesii Tsuga heterophylla Spruce, blue

Hemlock, Western Pine, Jeffrey Pine, lodgepole Pine, ponderosa Picea pungens Fir, grand Fir, Noble Abies grandis Abies procera Pinus jeffreyi Pinus contorta Spruce, Englemann Picea englemannii Spruce Sitka Picea sitchensis Ahies concolor

APPLICATION INFORMATION
EASTERN US
Apply Velpar DFVU Herbicide from early spring to early summer after hardwoods have broken bud and before full leaf expansion.
Applications made over the top of pines may result in excessive pine injury under conditions of high humidity and temperature (80 degrees F).
WESTERN US

Was I can be the grade of high spring rainfall): For best results, apply in late winter or spring when brush is actively growing, but prior to conifer budbreak. Dormant trees are less susceptible to injury. Applications where the spray comes into direct contact with conifers after dormancy break in the spring or before the final resting bud has hardened in the fall may severely injure or kill the trees.

Snowbelt (areas of low spring rainfall): For best results, apply in the fall before soil freezes and after the final resting bud has hardened on the conifers. Or, spring applications may be made after snow cover melts in anticipation of rainfall prior to conifer budbreak. Brush control results from spring treatments will be dependent on fficient rainfall following application to activate Velpar DF VU Herbicide.

USE RATES
The rates listed below are for broadcast application. Do not use more than one application of Velpar DF VU Herbicide per year. Use the higher rate range for the harder to control\* (suppression) species in the PLANTS CONTROLLED listings of the Site Prep and Release sections.

EASTERN US

VELPAR DF VU HERBICIDE (LB/ACRE)			
Crop Species	Soil Description	<b>Established Trees</b>	
oblolly pine ongleaf pine	Loamy sand, sandy loam	1 1/3 - 2	
Shortleaf pine /irginia pine	Loam, silt loam, silt, sandy clay loam	1 1/3- 2 2/3	
Slash pine	Silty clay loam, clay loam, sandy clay, silty clay, clay	3-4	
Red pine	Loamy sand, sandy loam Loam, silt loam, silt, sandy clay loam Silty clay loam, clay loam, sandy clay silty clay clay	11/3- 2 2/3 2 2/3-4 4- 5 1/3	

### Established Trees

- 4 years of age from transplanting on coarse-textured soils
- 3 years of age from transplanting on medium-textured soils
   2 years of age from transplanting for Red Pine

### WESTERN US

Lo Lo Si Vi

Application rates by soil type for Velpar DF VU Herbicide in the following western conifers: Blue spruce, Douglas fir, Engleman spruce, Grand fir, Jeffrey pine, Lodgepole pine, Noble fir, Ponderosa pine, Sitka spruce, Western hemlock, and White fir.

Soil Description	(Lb/Acre)
Loamy sand, sandy loam	1 1/3 - 3
Loam, silt loam, sandy clay loam	2 2/3-4
Silt, silty clay loam, clay loam, sandy clay, silty clay, clay	3-4

For first year plantings utilizing bare root stock, treat only transplant stock that is 2 years old (2-0, 1-1) or more, except (1-0) for Ponderosa and Jeffrey pines. Apply Velpar DF VU Herbicide only if rainfall has settled the soil around the base and root systems of the transplants.

### RRUSH CONTROLLED

VU Herbicide is labeled for the control or suppression of the following species in conifer release sites

3					
Ash Aspen, big tooth Aspen, trembling Birch Elder, box Brambles Cherry, black Cherry, pin	Fraxinus spp Populus grandidentata Populus tremuloides Betula spp Acer negundo Rubus spp Prunus serotina Prunus pensylvanica	Deerbrush Dogwood, flowering* EIm Hawthorn Hazel Honeysuckle* Manzanita, Greenleaf Manle, red*	Ceanothus integerrimus Cornus florida Ulmus spp Crataegus spp Corylus spp Lonicera spp Arctostaphylos patula Acer rubrum	Oaks Poplar, balsam Snowbrush Sourwood* Sweetgum Willows	Ouercus spp Populus balsamifera Ceanothus velutinus Oxydendrum arboretum Liquidambar spp Salix spp

<sup>\*</sup> Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

In addition to brush controlled, herbaceous species listed in the Weeds Controlled section of Release-Herbaceous Weed Control may be controlled with these applications. SPRAY FOUIPMENT

When applied as a liquid spray using water as the carrier, Velpar DF VU Herbicide may be applied by ground equipment or by air (helicopter only). For ground applications, use sufficient spray volume for thorough and uniform coverage of the site to be treated, usually a minimum of 25 gallons per acre. For aerial applications, use a minimum of 5 gallons per acre.

### GRID APPLICATION

Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Intermittent agitation may be required to mix 2 25 bounds of veight of the foliation in sometime water to make one gallon of suspension and thoroughly agreed. The foliation may be required to maintain the Velpar DF VU Herbicide in suspension.

Apply the Velpar DF VU Herbicide suspension directly to the soil surface in a grid pattern using an exact delivery handour applicator. This equipment delivers a thin stream

reply use verpal or verbinding supersistent with the supersistent and pattern to make a part of the period from hardwood by all reductions and when the major component of the hardwood sare susceptible species. Use the high rates on fine-textured soils and where weeds identified in the label as "partial control or suppression" predominate.

Application Patterns and Rates For Velpar DF VU Herbicide Suspension

	IVIL/Spot	Gria (Fi)	LD/ACTE
Coarse	0.5	3X4	1.3*
	1.2	3X6	2
	2.1	4X6	2.6
Medium/Fine	1.2	3x3	4
	2.3	3x6	4
	1.6	3x3	5.3
	3.1	3x6	5.3

<sup>\*</sup> Use on deep sands with pines four years or more of age.

BASAL (SOIL) SINGLE STEM TREATMENT

Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Apply the Velpar DF VU Herbicide suspension with an exact-delivery handgun applicator. This equipment delivers a thin stream of predetermined volume when triggered. Apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml for each inch of stem diameter at breast height. Direct the treatment to the soil within 3 feet of the root collar of woody plants to be controlled. For multi-stemmed and low-growing brush that have stem diameters that are difficult to determine, apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml per 3 feet of canopy width. For tall, slender (columnar) brush types, apply 4 to 8 ml per 3 feet of height. Base the rate on whichever canopy dimension is greater (width or height). Apply the lower volumes for coarse textured soils or flow organic matter soils and the higher volumes for fine textured soils or floh organic matter soils. When treating brush that requires more than a single delivery of the Velpar DF VU Herbicide suspension, apply subsequent deliveries equally spaced around the target plant. If treating brush on sloping sites, apply most of the suspension on the uphill side of the stem. If treating resprouts from brush disturbed by cutting or other mechanical methods, the rate of application must be proportional to the original tree size, not just the size of sprout regrowth.

USE PRECAUTIONS FOR RELEASE FOR CRID & SINGLE STEM

Application of Velnar DF VII Herbicide based and single stemments closer than 36 inches to conifer seedlings in their first season or directly up slope from these seedlings

- Application of Velpar DF VU Herbicide basal soil spot treatments closer than 36 inches to conifer seedlings in their first season or directly up slope from these seedlings Application or vegate or PV neurolice basarson spot treatments closer trian 36 inches to coming securings in their first season or unerty up stope from these securings may result in injury or mortality.
   Use Velpar DF VU Herbicide on seedlings in their first or fourth year and older. Injury may result from use on two and three year old seedlings where root growth is extensive but hardiness is lacking.
   RELEASE - HERBACEOUS WEED CONTROL.
   Velpar DF VU Herbicide is labeled for controlling herbaceous weeds where these pine species are grown:
   EASTERN US

Loblolly pine Longleaf pine Slash nine Red pine

### WESTERN US

Blue spruce Grand fir Noble fir Western hemlock Ponderosa pine Jeffrey pine White fir Lodgepole pine Engleman spruce Sitka spruce

### APPLICATION INFORMATION

### EASTERN US

EASTERN US
Apply Velpar DF VU Herbicide as a broadcast or banded spray in the spring prior to conifer budbreak to lessen conifer injury potential.
WESTERN US

Rainbelt (areas of high spring rainfall): For best results, apply as a broadcast or banded spray in the late winter or spring when weeds are actively growing, but prior to conifer budbreak. If application is made after conifer budbreak, use directional spray equipment to prevent contact with conifer foliage, as injury may result.

Snowbelt (areas of low spring rainfall): For best results, apply as a broadcast or banded spray in the fall before soil freezes and after the final resting bud has hardened

on the conifers. Or, spring applications may be made after snow cover melts in anticipation of rainfall prior to conifer budbreak. Weed control results from spring treatments will be dependent on sufficient rainfall following application to activate Velpar DF VU Herbicide.

### USE RATES

The rates listed below are for broadcast application. For band application, use proportionately less. For example, use 1/2 of the broadcast rates when treating a 3-foot band where row spacing is 6 feet. Use the higher rate range for the harder to control (\*Suppression) weeds listed in the table below.

### **FASTERN US**

VELPAR DF VU Soil Description	HERBICIDE (LB/ACTE) <u>First Year</u> Plantings	Established Trees
Loamy sand, sandy loam (50-85% sand)	1 1/3	1 1/3 - 1 2/3
Loam, silt loam, silt, sandy clay loam	1 1/3 - 1 1/2	1 2/3 - 2 1/3
Silty clay loam, clay loam, sandy clay, silty clay, clay.	1 1/2 - 1 8/10	2 1/3 - 2 2/3

Red pine only - Refer to labeled rates in the FORESTRY RELEASE -Use Rates Eastern US section of the label.

### WESTERN IIS

### WEEDS CONTROLLED

Velpar DF VU Herbicide is labeled for the control or suppression of the following species in release sites:

Asters Aster son Fleahane Eriaeron son. Aster, heath\* Aster ericoides Foxtail Setaria spp Barnyardgrass Echinochloa crus-galli Agrostis spp Goldenrod\* Solidago spp Senecio vulgaris Groundsel, common Bentgrass Bluegrass, annual Poa annua Horseweed/marestail Conyza canadensis Brackenfern Pteridium aquilinum Orchardorass' Dactylis glomerata Panicum spp Bromegrass Bromus spp Panicums Carrot, wild Daucus carota Pinegrass Calamagrostis rubescens Crabgrass\* Digitaria spp Leucanthemum vulgare Ragweed, common Ambrosia artemisiifolia Ryegrass, Italian (annual) Lolium multiflorum Daisy, oxeye Dandelion, common\* Dandelion, false (spotted catsear)\* Taraxacum officinale Ryegrass, perennial\* Smartweed, Pennsylvania Lolium perenne Hypochaeris radicata Polygonum pensylvanicum

Rumex crispus Squawcarpet Ceanothus prostratus Dock, curly\* Velvetgrass, common Fescue\* Festura snn Holcus lanatus

\* Suppression - a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

Chamerion angustifolium Fireweed'

### FORESTRY- IMPREGNATION ON DRY BULK FERTILIZER

Velpar DF VVI Herbicide is labeled for impregnating or coating dry bulk fertilizer to be applied on forested sites for the establishment or release of conifer plantations (except longleaf pine) as specified on this label.

### PLANTS CONTROLLED

Fertilizer impregnated with Velpar DF VU Herbicide is labeled for the control and suppression of the weeds and brush identified for the specific applications on this label. Consult the appropriate segment of this label to determine the appropriate rate of Velpar DF VU Herbicide to be applied per acre. Apply this amount of Velpar DF VU Herbicide to the volume of fertilizer to be applied per acre.

### IMPREGNATION EQUIPMENT

To impregnate or coat the fertilizer use a system consisting of conveyor or closed drum used to blend dry bulk fertilizer.

### IMPREGNATION INSTRUCTIONS

To impregnate dry bulk fertilizer with Velpar DF VU Herbicide, mix the amount as prescribed above in a sufficient quantity of water to uniformly coat the desired amount of fertilizer. Suspensions of Velpar DF VU Herbicide will require thorough agitation.

Direct the spray nozzles of the impregnation equipment to deliver a fine spray of the mixture toward the fertilizer for thorough coverage while avoiding contact with mixing equipment. The use of a spray pattern indicator may be beneficial to visually determine the uniformity of impregnation.

equipment. The use of a spray patient indicator may be beneficial to visually determine the uniforming of impregnation. Uniforming position of or you bulk fertilizer may vary. If absorption of the spray is not adequate, the use of an absorptive powder or additive, such as "Micro-cel® E" or "Hi-Sil® 233", may be required to produce a dry, free flowing mixture.

Apply the fertilizer as soon as possible after impregnation for optimum performance. Impregnated fertilizer may become lumpy and difficult to apply following storage.

Diammonium phosphate, potassium chloride, 16-16-16 and 24-4-4 have been successfully impregnated.

APPLICATION EQUIPMENT

Applications of impregnated fertilizer may be made by ground equipment or by air (helicopter or fixed wing). Accurate calibration and patterning of the equipment is essential for uniform distribution of the impregnated fertilizer on the soil surface. USE PRECAUTIONS FOR FORESTRY- IMPREGNATED FERTILIZER

- Use Precouring Fur Pures in Temperature Internations of fertilizer materials are excessively dusty, use a suitable additive to reduce dust prior to impregnation. Application of dusty fertilizer which has been impregnated may result in off-target drift and injury to desirable vegetation. Such drift and associated injury may be aggravated by high wind conditions.

  The dry fertilizer must be properly impregnated and uniformly applied to avoid pine injury/mortality and poor weed and brush control.

  Uniform and precise application of the impregnated fertilizer is essential for satisfactory weed and brush control and to minimize pine injury. Overlaps or skips between adjoining swaths or non-uniform distribution of impregnated fertilizer within the swath will deliver poor results and may result in pine injury or mortality.

use RESTRICTIONS FOR FORESTRY- IMPREGNATED FERTILIZER

• Do not impregnate potassium nitrate, sodium nitrate, or triple super phosphate fertilizers with Velpar DF VU Herbicide as herbicidal action will be lost.

USE PRECAUTIONS FOR FORESTRY.

On tracts of land where various soil types are present and Velpar DFVU Herbicide rate selection is difficult, conifer damage or less-than-expected vegetation suppression may occur due to the different rates required for various soil types.

- · Poor weed and brush control may result from the following:
  - Heavy duff or slash present at time of application -Use on poorly drained sites
- -Applications made when the soil is saturated with water and rain is imminent within 24 hours
  -Applications to soils high in organic matter (greater than 5%)
  Following harvest, allow stumps and injured trees sufficient time to adequately resprout before applying Velpar DF VU Herbicide.
- Where burning is desired, burn vegetation after any brush has completely defoliated, at least twice, allowing for sufficient root uptake of Velpar DF VU Herbicide. Weed control results from spring applications depend on sufficient moisture to activate Velpar DF VU Herbicide.
- When applying Velpar DF VU Herbicide after transplanting, wait until rainfall has settled the soil around the base and root systems of the transplants before making the treatment.
- Crop injury may occur when Velpar DF VU Herbicide is used:
- -On trees that show poor vigor, insect damage, disease, winter injury, 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, except Jeffrey pine and Ponderosa pine -On conifer foliage after conifer budbreak
- On content indige after contine boundeax.

  On gravelly or rocky soils, exposed subsoils, clay knobs, sand, or sandy soil with 85% or more sand.

  USE RESTRICTIONS FOR FORESTRY

  Do not use Velpar DF VU Herbicide in nurseries, seedbeds, or ornamental plantings.

  Do not use Velpar DF VU Herbicide on frozen soils; use in spring after snow melt.

- Do not add a surfactant in applications over the top of conifers.
  Livestock may be grazed immediately following a broadcast application of Velpar DF VU Herbicide at rates of 1.5 pounds per acre or less, and treated vegetation may be
- cut, dried, and fed after 38 days.

  Do not cut treated vegetation for feed or graze livestock on treated areas for 60 days following application of Velpar DF VU Herbicide at broadcast rates exceeding 1.5

 Do not cut treated vegetation for reed of graze investors of bases and so so says of the second pounds per acre.

YELLOW POPLAR PLANTINGS

Velpar DF VU Herbicide is labeled for the control of herbaceous weeds in the establishment of yellow poplar plantations. Applications may be made over the top of planted seedlings after the soil has settled around the root systems but before the seedlings have broken dormancy (buddreak). A subsequent application may be made before dormancy break in the Spring of the second year. USE RATES: Use the rate range specified in the "RELEASE- HERBACEOUS WEED CONTROL" section for pline plantations eastern US.

For ground application, use sufficient spray volume for uniform and thorough coverage of the site to be sprayed, usually a minimum of 25 gallons per acre. For aerial applications, use a minimum of 5 gallons of water per acre. For broader spectrum control Velpar DF VU Herbicide may be tank mixed with Escort® XP Herbicide. Add Escort XP Herbicide at a rate of 1/2 ounce per acre with the prescribed rate of Velpar DF VU Herbicide.

USE PRECAUTIONS FOR YELLOW POPLAR PLANTINGS

- Applications of Velpar DF VU Herbicide and tank mixes of Velpar DF VU Herbicide and Escort XP Herbicide made to yellow poplar seedlings that are suffering from loss of vigor caused by insects, disease, drought, winter damage, animal damage, excessive soil moisture, planting shock, or other stresses may injure or kill the seedlings.

  Applications of Velpar DF VU Herbicide and tank mixes of Velpar DF VU Herbicide and Escort XP Herbicide must only be made after adequate rainfall has closed the planting
- slit and settled the soil around the roots following transplanting.

• The use of surfactant with Velpar DF VI Herbicide is not advised for applications made over the tops of seedlings.
• Careful consideration must be given by an experienced and knowledgeable forester to ensure the specific growth requirements of yellow poplar will be provided by the selected planting site. Treatment of yellow poplar planted on a site inadequate to meet its requirements may injure or kill the seedlings.

PASTURE/RANGELAND

Velpar DF VU Herbicide is labeled for control of brush and weeds in pasture.

BERMUDAGRASS/BAHIAGRASS

Velpar DF VU Herbicide is labeled for control of smutgrass and other weeds in established stands of bermudagrass and bahiagrass.

### APPLICATION INFORMATION

Make a single application of Velpar DF VU Herbicide per year when weeds are actively growing.

### WEEDS CONTROLLED - USE RATES

Velpar DF VU Herbicide effectively controls the following weeds at the rates shown in pastures. Use a lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils (clay loam to clay) and on soils high in organic matter.

### 9/10 (0.9) - 1 1/2 (1.5) Lb/Acre

Hordeum pusillum Echinochloa crus-aalli Barley, little Oxalis spp Barnvardgrass Passionflower, maypop Passiflora incarnata Dogfennel Eupatorium capillifolium Pepperweed, Virginia Lepidium virginicum Amaranthus spp Festuca spp Pigweed Fescue Smutarass Sporobolus indicus Lespedeza Lespedeza cuneata

\* Suppression may result with some of the giant (larger) smutgrass species.
Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

- SPRAY EQUIPMENT
  Apply Velpar DF VJ Herbicide uniformly over the desired area using ground equipment only.
  For ground application, use enough water for thorough coverage usually a minimum of 25 gallons per acre. The use of a surfactant may increase the potential for bermudagrass or bahlagrass injury.

  USE PRECAUTIONS FOR BERMUDAGRASS/BAHIAGRASS

   For bermudagrass that may be grown in the states of 1D, OR,UT or WA, determine the suitability of using Velpar DF VU Herbicide by treating a small area at a labeled application rate prior to treating larger areas. The smaller treated area must be observed for any signs of herbicidal injury during 60 days of normal growing conditions to determine if the treatment is safe to bermudagrass. If this sevaluation is not completed prior to use, the user assumes the responsibility for any plant damage or other liability resulting from the use of Velpar DF VU Herbicide on bermudagrass.

   Some temporary discoloration of the bermudagrass or bahlagrass may occur after application.

   Treatment of mixed pastures containing forage species other than bermudagrass or bahlagrass may result in injury or mortality to the other forage species.

   Injury nay result when desirable grasses are under stress from drought, insects, disease, cold temperature, or poor fertility.

   Injury to rolss of desirable trees or other plants may result if Velpar DF VU Herbicide is applied or followed for flushed on or near desirable trees or other plants, on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.

   Severe crop injury may occur if applications are made on gravelly or rocky soils, thinly covered subsoils, or soils with less than 1% organic matter.

  USE RESTRICTIONS FOR BERMUDAGRASS/BAHAGRASS

   Use Velpar DF VU Herbicide only in stands of bermudagrass and bahlagrass established for at least one year. Do not treat newly sprigged or sodded areas.

   Livestock may be grazed immediately following a broadcast application of Vel

Velpar DF VU Herbicide may be used eith APPLICATION INFORMATION broadcast or as a basal-soil treatment for the control of undesirable brush in pasture or rangeland.

APPLICATION INFORMATION
Apply Velpar DF VU Herbicide from late winter through summer, pre-budbreak until new growth hardens off.
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 For broadcast rates needed to control the species below, see the **Forestry - Release, Use Rates** section.

BRUSH CONTROLLED

Alder

VU Herbicide is labeled for the control or suppression of the following brush species in pasture and rangeland: Velpar DF

Arctostaphylos patula Acer rubrum Prosopis glandulosa Morus spp Alnus spp Fraxinus spp Manzanita, Greenleaf Ash Fraxinus spp
Populus spp
Populus spp
Populus spp
Betula spp
Nyssa sylvatica
Magnolia virginiana
Senegalia greggii
Juniperus virginiana
Prunus serotina
Melia azedarach
Ceanothus integerin
Comus florida
Ulmus Americana
Ulmus Americana
Ulmus parvifolia
Celtis occidentalis Maple, red Aspen Birch Mesquite Mulberry Birch
Blackgum
Bay, sweet
Catclaw acacia
Cedar, Eastern red
Cherry, black
Chinaberry\*
Deerbrush
Dogwood, flowering\*
Elm, American Morus spp Quercus spp Maclura pomifera Diospyros spp Prunus americana Populus balsamifera Liriodendron tufipifer Ligustrum.spp Rosa multiflora Sassafras albidum Yucca plaura Mulberry
Oaks
Osage-orange
Persimmon
Plum, wild
Poplar, balsam
Poplar, yellow
Privit
Rose, multiflora
Sassafras\* Sassafras albidum Yucca glauca Ceanothus velutinus Oxydendrum arboreum Rhus spp Liquidambar spp Sapium sebiferum Myrica cerifera Aloysia gratissima Salix spp Soapweed, small (yucca) Snowbrush Elm, Chinese Hackberry, common Celtis occidentalis Crataegus spp Corylus spp Hawthorn Sourwood sumac Sweetgum Tallow, Chinese Waxmyrtle Whitebrush Willow Hazel Corylus spp Carya spp Acacia farnesiana Juniperus spp Robinia spp Ziziphus obtusifolia Hickory Huisache Juniper Locust Lotebush

SPRAY EQUIPMENT AND APPLICATION TECHNIQUES

Basal (Soil)-Mix 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Apply the Velpar DF VU Herbicide suspension with an exact-delivery handgun applicator. This equipment delivers a thin stream of predetermined volume when triggered. Apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml for each inch of stem diameter at breast height. Direct the treatment to soil within 3 inches of the root collar of woody plants to be controlled. When treating large stems and when more than one delivery of the Velpar DF VU Herbicide suspension is needed per stem, make applications on opposite sides of the stem. Do not apply more than 1/3 gallon of the Velpar DF VU Herbicide suspension per acre per year. Intermittent agitation may be required to maintain the Velpar DF VU Herbicide in suspension.

USE PRECAUTIONS FOR PASTURE/RANGELAND

Injury to or loss of desirable trees or other plants may result if Velpar DF VU Herbicide is applied or if equipment is drained or flushed on or near desirable trees or other plants, on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.

- Poor weed and brush control may result from the following:
-Use on poorly drained sites

- -Use on poorly drained sites

- Tour week and probat control may result DMI tile Uniowing:
   -Use on poorly drained sites
   -Applications made when the soil is saturated with water and rain is imminent within 24 hours
   -Applications to soils high in organic matter (greater than 5%)
   Following mechanical cutting or clearing, allow stumps and injured trees sufficient time to adequately resprout before applying Velpar DF VU Herbicide.
   Leave treated soil undisturbed to reduce the potential for Velpar DF VU Herbicide movement by soil erosion due to wind or water.
   Weed and brush control results depend on sufficient moisture to activate Velpar DF VU Herbicide.
   USE RESTRICTIONS FOR PASTURE/RANGELAND
   Do not use Velpar DF VU Herbicide is applied as a basal soil treatment, there is no restriction on grazing by domestic animals nor on cutting surrounding vegetation for forage or hay.
   Livestock may be grazed immediately following a broadcast application of Velpar DF VU Herbicide at rates of 1.5 pounds per acre or less, and treated vegetation may be cut, dried, and fed after 38 days.
   Do not cut treated vegetation for feed, or graze livestock on treated areas for 60 days following application of Velpar DF VU Herbicide at broadcast rates exceeding 1.5 pounds per acre.
- pounds per acre

### **NON-AGRICULTURAL USES**

### NON-AGRICULTURAL USE REQUIREMENTS

NON-AGRICULIUNAL 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.
Use on non-crop sites including industrial turf grasses are not within the scope of the Worker Protection Standard. When applied as a spray do not enter or allow worker

# entry into treated areas until sprays have dried

Velpar DF VU Herbicide is labeled for general weed and brush control as follows: uncultivated nonagricultural areas (such as, airports, highway, railroad and utility right-of way, sewage disposal areas); uncultivated agricultural areas (non-crop producing, which includes: farmyards, fuel storage areas, fence rows, barrier strips); industrial sites (outdoor, such as, lumberyards, pipeline and tank farms). APPLICATION INFORMATION

bicide is labeled for control of many annual, biennial, and perennial weeds in non-crop sites.

Velpar DF VU Herbicide is labele APPLICATION INFORMATION

Apply Velpar DF VU Herbicide as a preemergence or postemergence spray when weeds are actively germinating or growing.

WEEDS CONTROLLED - USE RATE

WEEDS CONTROLLED - USE RATE
Velpar DF VU Herbicide effectively controls the following weeds when applied at the use rates shown in industrial sites. When applied at lower rates, Velpar DF VU Herbicide provides short-term control of the weeds listed; when applied at higher rates, weed control is increased and extended.
Use lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils (clay loam to clay) and on soils high in organic matter.

Orchardgrass (seedling)

Oxalis 0

### 2 2/3 - 6 2/3 Lb/Acre

Apocynum cannabinum Amsinckia lycopsoides Erodium spp Conyza bonariensis Aruncus dioicus Barnyardgrass Bindweed, field\* Bouncingbet\* Echinochloa crus- galli Convolvulus arvensis Saponaria officinalis Dactylis glomerata Oxalis spp Urochloa mutica Dogbane\* Fiddleneck, tarweed Filaree Paragrass Parsnip, wild Bromus spp Bouteloua dactyloides Arctium spp Fleabane, flax-leaved Bromegrass Buffalograss\* Burdock rarsnip, wild Pigweed Purslane, common Quackgrass Ryegrass, Italian (annual) Smartweed Spurge Star thistle Trumpetcreeper\* Pastinaca sativa Fleabane, flax-leaved Goatsbeard Goldenrod Horseweed/marestail Lespedeza Milkweed, common\* Mustard, wild Nutsedge\* Oats, wild\* Orchardgrass\* Amaranthus spp Portulaca oleracea Solidago spp Conyza canadensis Arctium spp Xanthium spp Digitaria spp Securigera varia Rumex crispus Taraxacum officinale Portulaca oleracea Agropyron repens Lolium multiflorum Polygonum spp Euphorbia spp Centaurea spp Campsis radicans Cocklebur Lespedeza cuneata Asclepias syriaca Sinapis arvensis Cyperus spp Avena fatua Dactylis glomerata Crabgrass
Crown vetch
Curly dock\*
Dandelion, common'
Dandelion, false
(spotted catsear)\* Hypochaeris radicata 8 - 10 2/3 Lb/Acre

Lettuce, prickly Natalgrass (red top) Plantain Ragweed, common Smutgrass\*\* Spanishneedles Vaseygrass Aster, heath Aster ericoides
Paspalum notatum
Cynodon dactylon
Rubus spp
Poa spp
Andropogon virginicus
Heterotheca subaxillar
Cirsium arvense
Daucus carota
Stellaria martin Aster ericoides Clovers Trifolium spp Rubus trivialis Lactuca serriola Clovers
Dewberry
Dogfennel
Fescue\*
Fingergrass
Foxtail
Guineagrass
Honeysuckle
Horseweed/marestail
Lantana Bahiagrass Melinis repens Eupatorium capillifolium Plantago spp Ambrosia artemisiifolia Sporobolus indicus Bidens bipinnata Paspalum urvillei Bermudagrass Blackberry Eupatorium capinilo Festuca spp Digitaria ciliaris Setaria spp Panicum maximum Lonicera spp Conyza canadensis Lantana camara Bluegrass Broomsedge Camphorweed Canada thistle Carrot, wild Chickweed, co

\* Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control. \*\* Suppression may result with some of the giant (larger) smutgrass species.

Control of Canada Thistle in Crown Vetch - Velpar DF VU Herbicide is labeled for control of Canada thistle in established stands of crown vetch on noncrop sites. Make a single application of 1-1 2/3lb of Velpar DF VU Herbicide from late spring through mid-summer, when thistle is actively growing prior to flowering. Do not use a surfactant. Some discoloration of the crown vetch foliage may occur after application.

SPRAY EQUIPMENT

Apply Velpar DF VII Herbicide in Year Section 1.

SPRAY EQUIPMENT

Apply Velpar DF VU Herbicide uniformly over the desired area using ground equipment or helicopter. Do not apply more than 8 lbs per acre by air.

Use enough water for thorough coverage. For ground application this is usually a minimum of 25 gallons per acre. Higher application volumes may be needed to obtain uniform application with handgun equipment. For aerial applications (helicopter only) this is usually a minimum of 5 gallons per acre. Higher volumes of water may be needed when water temperatures are cold or the higher rates of Velpar DF VU Herbicide are used.

NON-CROP BRUSH CONTROL

Velpar DF VU Herbicide is labeled for the control of undesirable brush in non-crop sites.

APPLICATION INFORMATION

Apply Velpar DF VU Herbicide from late winter through summer, prebudbreak until new growth hardens off.

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.

freezes. BROADCAST

BROADCAST
Apply 5 1/3 to 10 2/3 lb of Velpar DF VU Herbicide per acre as a coarse spray by ground equipment or 5 1/3 to 8 lb per acre by air (helicopter only). Use enough water for thorough coverage. For ground equipment, usually a minimum of 25 gallons per acre. For aerial equipment, usually a minimum of 10 gallons per acre. Higher volumes of water may be needed when water temperatures are cold or the higher rates of Velpar DF VU Herbicide are used.

BASAL (SOUL) SINGLE STEM TREATMENT
MIX 2 2/3 pounds of Velpar DF VU Herbicide with sufficient water to make one gallon of suspension and thoroughly agitate. Apply the Velpar DF VU Herbicide suspension with an exact-delivery handgun applicator. This equipment delivers a thin stream of predetermined volume when triggered. Apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml for each inch of stem diameter at breast height.

<sup>\*</sup>Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

Direct the treatment to the soil within 3 feet of the root collar of woody plants to be controlled.

For multi-stemmed and low-growing brush that have stem diameters that are difficult to determine, apply the Velpar DF VU Herbicide suspension at the rate of 2 to 4 ml per 3 feet of canopy width. For tall, slender (columnar) brush types, apply 4 to 8 ml per 3 feet of height. Base the rate on whichever canopy dimension is greater (width or height).

height). When treating brush that requires more than a single delivery of the Velpar DF VU Herbicide suspension, apply subsequent deliveries equally spaced around the target plant. If treating brush on sloping sites, apply most of the suspension on the uphill side of the stem. If treating resprouts from brush disturbed by cutting or other mechanical methods, the rate of application must be proportional to the original tree size, not just the size of sprout regrowth.

LACING/STREAKING - Mix Velpar DF VU Herbicide with water to form a concentrated suspension. Apply 5 1/3 to 10 2/3 lbs of Velpar DF VU Herbicide per acre. Adjust the application equipment to deliver a narrow or straight stream spray pattern such that the swath width on the soil surface is 6 to 12 inches wide. Direct the spray at the base of the brush. Swaths or treated bands must be 2 to 4 feet apart. Apply the lower volumes for coarse textured soils or soils with low organic matter and the higher volumes for fine textured soils or soils with high organic matter.

USE RATES

Velpar DF VU Herbicide is labeled for the control or suppression of the following species in non-crop sites. Use lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils(clay loam to clay) and on soils high in organic matter.

### 5 1/3 to 10 2/3 Lb/Acre

Ash Fraxinus spp Hickory Carya spp Rose, multiflora Rosa multiflor	ora
Aspen Populus spp Huisache Acacia farnesiana Sassafras* Sassafras all	lbidum
Birch Betula spp Juniper Juniperus spp Soapweed, small	
Blackgum Nyssa sylvatica Locust Robinia spp (yucca) Yucca glauca	a
Bay, sweet Magnolia virginiana Lotebush Ziziphus obtusifolia Snowbrush Ceanothus v	
Catclaw acacia Senegalia greggii Manzanita, Greenleaf Arctostaphylos patula Sourwood Oxydendrum	n arboreum
Cedar, Eastern red Juniperus virginiana Maple, red Acer rubrum Sumac Rhus spp	
Cherry, black Prunus serotina Mesquite Prosopis glandulosa Sweetgum Liquidambar	
Chinaberry* Melia azedarach Mulberry Morus spp Tallow, Chinese Sapium sebi	
Deerbrush Ceanothus integerrimus Oaks Quercus spp Waxmyrtle Myrica cerife	
Dogwood, flowering* Cornus florida Osage-orange Maclura pomifera Whitebrush Aloysia grati.	issima
Elm, American <i>Ulmus Americana</i> Persimmon <i>Diospyros spp</i> Willow <i>Salix spp</i>	
Elm, Chinese Ulmus parvifolia Plum, wild Prunus americana	
Hackberry, common Celtis occidentalis Poplar, balsam Populus balsamifera	
Hawthorn Crataegus spp Poplar, yellow Liriodendron tulipifera	

<sup>\*</sup>Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control

### INDUSTRIAL TURFGRASS

Velpar DF VU Herbicide is labeled for selective weed control in established stands of bermudagrass and/or bahiagrass in noncrop areas.

APPLICATION TIMING

## APPLICATION TIMING Make a single application of Velpar DFVU Herbicide per year when weeds are actively growing. WEEDS CONTROLLED - USE RATE

WEEDS CONTROLLED - USE RAIE
Velpar DF VI Herbicide effectively controls the following weeds at the rates shown in industrial turf (unimproved only). Use a lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils (clay loam to clay) and on soils high in organic matter.

## 9/10 (0.9) -1 1/2 (1.5) Lb/Acre

Barley, little Barnyardgrass Dogfennel Fescue	Hordeum pusillum Echinochloa crus-galli Eupatorium capillifolium Festuca spp	Lespedeza Oxalis Passionflower, maypop Pepperweed, Virginia	Lespedeza cuneata Oxalis spp Passiflora incarnata Lepidium virginicum	Pigweed Smutgrass*	Amaranthus spp Sporobolus indicus
10 1					

\*Suppression may result with some of the giant (larger) smutgrass species.

Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

- "Suppression may result with some of the glant (Jampe) smulgass species.

  Suppression may result with some of the glant (Jampe) smulgass species.

  Suppression a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

  SPRAY EQUIPMENT PULL Herbicide uniformly over the desired area using ground equipment only.

  For pround application, use enloady where for fibrough coverage usually a minimum of Zs gallons per acre. The use of a surfactant is not advised.

  For pround application, use enloady where for third plant per acre. The surface restead area must be observed for any signs of herbicidal injury angle 0 days of normal growing conditions to determine if the freatment is self-to bermudgings st. If this evaluation is not completed prior to use, the user assumes the responsibility for any plant damage or other plants, on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.

  \*\*Port weed and trans control may result from the following:

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  \*\*Port weed and chart cont

WIND

Trift potential is lowest when applications are made in light to gentle sustained winds (2-10 mph), which are blowing in a constant direction. Many factors, including droplet size and equipment type also determine drift potential at any given wind speed. AVOID GUSTY OR WINDLESS CONDITIONS.

Local terrain can also influence wind patterns. Every applicator is expected to be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

Setting up equipment to produce larger droplets to compensate for droplet evaporation can reduce spray drift potential. Droplet evaporation is most severe when conditions are both hot and dry.

SURFACE TEMPERATURE INVERSIONS

SURFACE TEMPERATURE INVERSIONS
Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which may cause small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning, Mist or fog may indicate the presence of an inversion in humid areas. Inversions may also be identified by producing smoke and observing its behavior. Smoke that remains close to the ground, or moves laterally in a concentrated cloud under low wind conditions indicates a surface inversion. Smoke that moves upward and rapidly dissipates indicates good vertical air mixing. cloud under low wind c SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are minimizing drift potential and not interfering with uniform deposition of the product.

AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS

AIM ASSISTEU (AIM BLAST) FIELD UNDY SYNATERS
Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, that it is configured properly, and that drift potential has been minimized.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Read the specific crop use and application equipment instructions to determine if an air assisted field crop sprayer can be used.

SENSITIVE AREAS

Making applications when there is a sustained wind moving away from adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is an effective way to minimize the effect of spray drift.

DRIFT CONTROL ADDITIVES

Bigging product compactific to the compactification.

Using product compatible drift control additives can reduce drift potential. When a drift control additive is used, read and carefully observe cautionary statements and all other information on the additive's label. If using an additive that increases viscosity, ensure that the nozzles and other application equipment will function properly with a viscous spray solution. Preferred drift control additives have been certified by the Chemical Producers and Distributors Association (CPDA).

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

Pesticide Storage: Store product in original container only. Store in a cool, dry place.

Pesticide Disposal: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Refer to the Net Contents section of this product's labeling for the applicable

CONTAINER HANDLING: Refer to the Net Contents section of this product's labeling for the applicable
"Nonrefillable Container" or "Refillable Container" designation.

Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 50 Pounds): Nonrefillable container. Do not reuse or refill this container. Triple rinse
container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4
full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Fill the container 1/4
full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Fill the container 1/4
full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Fill the container 1/4
full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or some intent of the procedures approved by state and local authorities.

Nonrefillable Plastic and Metal Containers (Capacity Greater Than 50 Pounds): Nonrefillable container. Do not reuse or refill this container. Triple rinse container
(or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with
water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container
on its end and tip it back and forth several times. Tim the container over onto its other end and tip it back and forth several times. Empty the rinsate into application
equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available
or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities. local authorities.

fillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):

Nomefiliable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):
Nomefiliable container. Do not reuse or refill this container. Pressure rinse as follows: Emply the remaining product contents into application equipment or a mix tank.
Insert pressure rinsing nozzle in the container, and rinse at about 40 PSI for at least 30 seconds. Drain rinsate for 10 seconds after the flow begins to drip, Pour or pump rinsate into application equipment or rinsate collection system. Then, (a) for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by uniner; if burned, stay out of sheek, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, by Nomrefiliable Papper or Plastic Bags, Filber Sacks including Flexible Intermediate Bulk Containers (FIBC) or Fiber Drums With Liners: Nonrefiliable container. Do not reuse or refill this container. Completely empty paper or plastic bag, fiber sack or flow the state and local authorities. But Containers (FIBC) or Fiber Drums With Liners: Nonrefiliable container. In a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning, if burned, stay out of smoke.

Refillable Fiber Drums With Liners: Refillable container (fiber drum only). Refilling Fiber Drum: Refill this fiber drum with Velpar DF VU Herbicide containing hexaltone only. Do not reuse this fiber drum for any other purpose other than refilling (see preceding). Cleaning before refilling is the responsibility of the refiller. Completely empty hier by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Disposing of Fiber Drum and/or Liner: Do not reuse this fiber drum before refilling (see preceding). Cleaning the container (liner before final disposal, completely empty the fiber drum by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer the fiber drum for recycling if available or 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.

All Other Refillable Containers: Refillable container. Refilling Container: Refill this container with Velpar DF VU Herbicide containing hexazinone only. Do not reuse All Other Refillable Containers: Refillable container. Refilling Container: Refill this container with Velpar DF VI Herbicide containing hexazinone only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refiller, prior to refully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then, (a) for Plastic Containers, offer for recycling if available or pruce and dispose of in a sanitary landfill, or by uterior, if burned, stay out of smoke, or (b) for Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures and containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures are and local authorities.

In allowed by state and local adultionities, by burning, in burner, size, you to it similor, or (i) for Merker Acontainers, other in recycling it available or recommending in appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Outer Pouches of Water Soluble Packets (WSP): Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or, dispose of the empty outer foil pouch in the trash as long as WSP is unbroken. If the outer pouch contacts the formulated product in any way, the pouch must be triple rinsed with clean water. Add the rinsate to the spray tank and dispose of the outer pouch as described previously.

Do not transport if this container is damaged or leaking, if the container is damaged, leaking or obsolete, or in the event of a major spill, fire, or other emergency, contact BAYER CROPSCIENCE at 1-800-334-7577, day or night.

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