

pm

25

352-439

FILE  
Page 1 of 11



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

SEP 30 1993

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

James W. Denny  
E.I. DU PONT DE NEMOURS AND CO., INC.  
Barley Mill Plaza, Walker's Mill  
Wilmington, DE 19880

SUBJECT: Label Amendment Submission of 05/12/93 in Compliance  
with PR Notice 93-7  
EPA Reg. No. 352-439  
DUPONT ESCORT HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (H-7504C)  
U.S. Environmental Protection Agency  
401 M Street SW  
Washington, DC 20460-0001

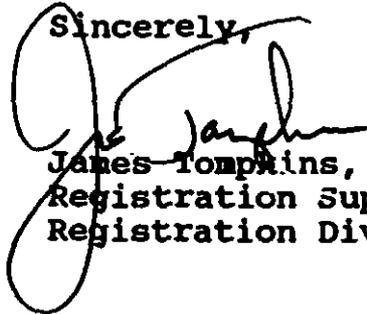


Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL)  
Room 266A Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



James Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (H7505W)

3 of 11

E. I. DU PONT DE NEMOURS AND CO, INC.  
DUPONT ESCORT HERBICIDE  
352-439 05/12/93  
Original Submission

The lead-in statement to your PPE section is not in conformance with the WPS guidelines.

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

The Nonagricultural Use Requirements section is not required as no special requirements are identified.

4 of 11



# ESCORT®

## HERBICIDE

### DRY FLOWABLE BY WEIGHT

#### ACTIVE INGREDIENT

Metsulfuron methyl

{Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]-  
carbonyl]-amino)sulfonyl]benzoate} .....

60%

#### INERT INGREDIENTS .....

40%

TOTAL ..... 100%

EPA Reg. No. 352-439

U.S. Patent 4,383,113

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**BEST AVAILABLE COPY**

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION!** Harmful if absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist.

#### PERSONAL PROTECTIVE EQUIPMENT

**WPS USES:** Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard[(40 CFR Part 170) - in general, only agricultural-plant uses are covered by the WPS] must wear:

Long-sleeve shirt and long pants.

Waterproof gloves.

Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for hot water. Keep and wash PPE separately from other laundry.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

SEP 30 1991

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
352-439

#### USER SAFETY RECOMMENDATIONS

*Users should:* Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

#### STATEMENT OF PRACTICAL TREATMENT

In case of contact with eyes, immediately flush with plenty of water. If on skin, wash with plenty of soap and water. Get medical attention if irritation persists.

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

#### ENVIRONMENTAL HAZARDS

Do not apply to open water nor to swamps, bogs, marshes or potholes while water is present. Do not contaminate water when disposing of equipment washwaters.

This herbicide is injurious to plants at extremely low concentrations. Nontarget plants may be adversely effected from drift and run-off.

**IMPORTANT**

**DO NOT USE ON FOOD OR FEED CROPS.** Injury to or loss of desirable trees or other plants may result from failure to observe the following: Do not apply "Escort" Herbicide (except as recommended), or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants. Do not contaminate any body of water, including irrigation water. Keep from contact with fertilizers, insecticides, fungicides and seeds.

Following an "Escort" application, do not use sprayer for application to crops. This is extremely important, as low rates of "Escort" can kill or severely injure most crops (except small grains).

**GENERAL INFORMATION**

Do not use this product in California nor in the following counties of Colorado: Saguache, Rio Grande, Alamosa, Costilla and Conejos.

Du Pont "Escort" Herbicide is a dispersible granule to be mixed in water and applied as a foliar spray for control of unwanted woody plants and annual and perennial broadleaf weeds, basal soil treatment of multiflora rose, for preemergence and post-emergence industrial weed control, and for the growth suppression of certain desirable grasses in noncrop areas such as airports, highways, roadsides, utility and pipeline rights-of-ways, petroleum tank farms, storage areas, pumping installations, plant sites, industrial turf, roadside turf, railroad rights-of-way and fence rows.

Do not apply to open water (such as lakes, reservoirs, rivers, streams, creeks, salt water bays or estuaries) nor where water is present in fresh water wetlands (such as marshes, swamps, bogs or potholes) nor to salt water marshes within tidal areas nor to areas where the herbicide is likely to move into water (such as insides of ditches, steep banks along waterways or impervious substrates) nor to areas near desirable plants where roots of these plants may extend. It is permissible to treat the berm of ditches, seasonally dry flood plains, deltas, marshes, swamps, bogs and transitional areas between upland and lowland sites.

Warm, moist conditions following treatment promote the activity of "Escort", while cold, dry conditions may reduce or delay activity. Weeds and brush hardened off by cold weather or drought stress may not be controlled. Degree of control and duration of effect are dependent on the rate used, sensitivity and size of target species, as well as soil moisture and soil temperature.

Following use of "Escort" on some naturally-occurring biotypes, may not be effectively controlled. Biotypes are naturally-occurring individuals of the species which have a slightly different genetic makeup. Resistant biotypes may look exactly the same as susceptible biotypes but are able to survive a use rate several times higher than needed to control susceptible biotypes. To delay the occurrence of resistant biotypes, use "Escort" in tank mixes and/or sequential treatments with other registered herbicides effective on the same broadleaf weed species. Do not let weed escapes go to seed; time post-emergence treatments before seed formation. Respray problem areas in a timely and effective manner using a herbicide with a different mode of action.

"Escort" is noncorrosive, nonflammable, nonvolatile and does not freeze.

**MODE OF ACTION**

"Escort" rapidly stops growth of susceptible plant species; however, typical symptoms (discoloration) may not be noticeable for several weeks after application, depending on growing conditions and susceptibility. Weeds absorb "Escort" through both the foliage and roots resulting in visual effects progressing from growth inhibition to reddish-purplish coloration, chlorosis, necrosis, vein discoloration and death of terminal. Initial effects are usually seen 2 or 3 weeks following application; however, the final effects on weeds are evident at about 4 to 6 weeks after application. On brush, ultimate effects occur during the season after treatment.

**DIRECTIONS FOR USE**

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

**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 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 are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

- Coveralls.
- Waterproof gloves.
- Shoes plus socks.

**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.

Non-crop industrial weed control and selective weed control in turf (industrial, unimproved only) are not within the scope of the Worker Protection Standard.

6 of 11

"Escort" Herbicide should be used only in accordance with recommendations on this label or in separate published Du Pont recommendations available through local suppliers..

Du Pont will not be responsible for losses or damages resulting from the use of this product in an manner not specifically recommended by Du Pont. Use. assumes all risks associated with such nonrecommended use.

Du Pont "Escort" Herbicide is recommended as a postemergence application for control of brush and certain perennial broadleaf weeds and preemergence and postemergence for weed control on noncropland. "Escort" is also recommended for weed control on established, unimproved, industrial turf and native perennial grasses. On fescue/bluegrass turf, "Escort" is recommended for growth suppression and seedhead inhibition.

For tank mixes, use the most restrictive limitations from labeling of both products.

Consult your chemical supplier, applicator, consultant, appropriate state agricultural extension service representative or your local Du Pont representatives for specific recommendations.

**NON-CROP (INDUSTRIAL) WEED CONTROL**

"Escort" is recommended for use for general weed control on non-crop, industrial sites such as airports, military installations, fence rows, roadsides and associated rights-of-ways, lumberyards, petroleum tank farms, pipeline and utility rights-of-ways, pumping installations, railroads, storage areas, plant sites and other similar areas including governmental and private lands.

When applied at lower dosage rates (as listed below), "Escort" provides short term control of weeds listed; usage at higher rates increases length and degree of weed control. Combination: with other herbicides such as 2,4-D, dicamba, Karmex® DF, Hyvar® X and Krovar® I DF increases the spectrum of weeds controlled. Bare ground objectives can be achieved with higher rates of "Escort" plus residual-type companion herbicides.

In states of Montana, North Dakota and South Dakota, "Escort" is for use only on railroad rights-of-ways.

"Escort" may be applied preemergence or postemergence to the weeds, but for best results, apply postemergence to young, actively growing weeds (less than 2" tall or 2" across) at any time of the year, except when ground is frozen. For postemergence treatment add surfactant.

"Escort" should be used during seasons when rainfall normally occurs as moisture is required to move "Escort" into the root zone of weeds before they develop an established root system. Preemergence treatments control or suppress weeds through root uptake, while postemergence works through root uptake and foliar uptake. Under limited rainfall conditions, "Escort" may not provide satisfactory weed control.

Treated soils should be left undisturbed to reduce the potential for "Escort" movement by soil erosion due to wind or water. Injury to crops may occur when treated soil is blown or moved onto land used to produce crops.

Rate selection is based on weed species, weed size and soil texture. Use the higher rates on established plants and on

fine textured soils, and lower rates on smaller weeds and coarse textured soils.

Since the degree of control and duration of effect will vary with the amount of chemical applied, soil texture, soil pH, soil organic matter, weed size, rainfall and other conditions, it is suggested that users limit their first use to small areas.

For broadcast spray, apply "Escort" in a minimum of 10 gallons of water per acre. Spray volumes of 20 to 40 gallons per acre and pressures of 25 to 35 psi are preferred. Use coarse spray nozzles.

Application may also be made with a hand gun using 100 to 300 gals water per acre (as needed for coverage of weed growth).

Use the following rates of "Escort" (including surfactant at 0.25% to 0.5% by volume) to control weeds listed:

**1/3 to 1/2 ounce "Escort"/acre**

- |                    |                        |
|--------------------|------------------------|
| Annual broomweed   | Flixweed               |
| Annual sowthistle  | Goldenrod              |
| Aster              | Gumweed                |
| Bahiagrass         | Henbit                 |
| Beebalm            | Lambsquarters          |
| Bittercress        | Marestail              |
| Bitter sneezeweed  | Maximillion sunflower  |
| Blackeyed-susan    | Miners lettuce         |
| Blue mustard       | Pennsylvania smartweed |
| Bur buttercup      | Plains coreopsis       |
| Chicory            | Plantain               |
| Clover             | Redroot pigweed        |
| Cocklebur          | Redstem filaree        |
| Goldenrod          | Rough fleabane         |
| Common chickweed   | Shepherd's purse       |
| Common groundsel   | Smallseed falseflax    |
| Common mullein     | Smooth pigweed         |
| Common purslane    | Sweet clover           |
| Common yarrow      | Tansymustard           |
| Conical catchfly   | Treacle mustard        |
| Corn cockle        | Tumble mustard         |
| Cow cockle         | Wild carrot            |
| Crownvetch         | Wild lettuce           |
| Dandelion          | Wild mustard           |
| Dogfennel          | Wooly croton           |
| False chamomile    | Wood sorrel            |
| Fiddleneck tarweed | Yankeeweed             |
| Field pennycress   |                        |

**1/2 to 1 ounce "Escort"/acre**

- |                     |                        |
|---------------------|------------------------|
| Blackberry          | Gorse                  |
| Broom snakeweed     | Common sunflower       |
| (apply fall-spring) | Prostrate knotweed     |
| Buckhorn plantain   | Hoary cress (whitetop) |
| Canada thistle*     | Multiflora rose and    |
| Curly dock          | other wild roses       |
| Dyer's woad         | Rosering gaillardia    |

**1 ounces "Escort"/acre**

- |                      |        |
|----------------------|--------|
| Perennial Pepperweed | Teasel |
|----------------------|--------|

**1 to 2 ounces "Escort" /acre**

- |                 |              |
|-----------------|--------------|
| Bull thistle    | Scouringrush |
| Common tansy    | Salsify      |
| Field bindweed* | Snowberry    |
| Poison hemlock  | Musk thistle |
| Scotch thistle  |              |

**1/2 to 2 ounces "Escort" /acre**

- |                  |               |
|------------------|---------------|
| Dunecap larkspur | Tall larkspur |
|------------------|---------------|

**3 to 4 ounces "Escort" /acre**

- Kudzu

\*Suppression

**SPECIAL WEED PROBLEMS**

Since kochia, Russian thistle and prickly lettuce are known to have biotypes resistant to "Escort", tank mixture combinations should be used involving herbicides with different modes of action such as "Karmex" DF, "Hyvar" X, and "Krovar" I DF. These weeds should not be allowed to form mature seed and should be treated postemergence with herbicides registered for control of these weeds such as 2, 4-D and dicamba.

**SELECTIVE WEED CONTROL IN TURF (INDUSTRIAL, UNIMPROVED ONLY)**

"Escort" is recommended for use on unimproved industrial turf where certain grasses are well-established and desired as ground cover. An application of "Escort" may cause temporary discoloration of the grasses.

Applications can be made anytime, except when ground is frozen. Apply uniformly with properly calibrated ground equipment, using 10 to 100 gallons of spray solution per acre. Sprayer pressures of 25 to 35 psi are preferred.

Avoid overlapping and shut off spray booms while starting, turning, slowing or stopping when spraying. Extreme care must be taken to prevent drift; add a drift control agent to reduce drift use at least 10 gals water per acre.

Do not apply "Escort" to turf that is under stress from drought, insects, disease, cold temperatures or poor fertility, as injury may result.

Do not apply to turf less than 1 year old.

Do not use on bahiagrass turf, as severe injury will result.

Do not exceed 1/2 oz "Escort" per acre within 9 months. Use the lower rates for minimum effect (chlorosis) of turf, particularly fescue and ryegrass.

Livestock may graze treated areas 0 days after application of up to and including 3/4 oz "Escort" per acre. Do not use on grasses grown for seed.

**FESCUE/BUEGRASS:** Apply 1/4 to 1/2 ounce "Escort" per acre, but do not exceed 1/2 ounce per acre within a nine-month period.

**RESTED WHEATGRASS AND SMOOTH BROME:**

Apply 1/4 to 1 ounce "Escort" per acre for weed control in these grasses. Some chlorosis or stunting may occur following the application.

**BERMUDAGRASS:** Apply 1/4 to 2 ounces "Escort" per acre for weed control.

Some chlorosis or stunting may occur following the application.

Treatments listed will control the following weeds:

**1/4 to 1/3 ounce "Escort" /acre**

- |               |                  |
|---------------|------------------|
| Bittercress   | Chicory          |
| Bur buttercup | Field pennycress |
| Blue mustard  | Redstem filaree  |
| Chickweed     | Wild carrot      |

**1/3 to 2 ounces "Escort" /acre**

(See listing under "NON-CROP WEED CONTROL")

**GROWTH SUPPRESSION AND SEEDHEAD INHIBITION**

**("CHEMICAL MOWING")**

**Fescue/Bluegrass:** "Escort" is recommended for use on unimproved turf in noncropland areas for growth suppression and seedhead inhibition of well-established turf. Apply 1/4 to 1/2 ounce "Escort" anytime from after green-up until seed stalk (boot) appearance. For improved performance, apply 1/4 to 1/3 ounce "Escort" plus 1/8 to 1/4 pint "Embark" 2-S[1] per acre. Addition of a nonionic surfactant at 0.25% by volume (1 qt per 100 gals) provides maximum performance, but may temporarily increase chlorosis of turf.

**SELECTIVE WEED CONTROL IN NATIVE GRASSES**

**BLUE GRAMA, BLUESTEMS (BIG, LITTLE, PLAINS, SAND, WW SPAR), BROMEGRASSES (MEADOW), BUFFALOGRASS, GREEN SPRANGLETOP, INDIAN-GRASS, KLEINGRASS, LOVEGRASSES (ATHERSTONE, SAND, WEEPING, WILMAN), ORCHARD-GRASS, SIDEOATS GRAMA, SWITCHGRASS (BLACKWELL), WHEATGRASS (BLUEBUNCH, INTERMEDIATE, PUBESCENT SIBERIAN, SLENDER, STREAMBANK, TALL, THICKSPIKE, WESTERN), AND WILD RYE GRASS (RUSSIAN):**

Apply 1/10 oz "Escort" in a minimum of 10 gals water per acre; add 0.25% surfactant by volume where weeds have emerged.

**New Seedings**

Apply preplant or preemergence where soil (seed bed) has been cultivated. Do not treat orchardgrass or Russian wildrye grass.

**Established Grasses**

Treat when in the seedling stage for control of:

Bur buttercup (testiculate)	Marestail*
Common purslane	Pigweed - redroot and tumble
Common sunflower*	Snow speedwell
Cutleaf eveningprimrose*	Tansymustard*
Flixweed*	Tumble mustard (Jim Hill)
Lambsquarters*- common and slimleaf	

\* Weed suppression is a visual reduction in weed competition (reduced population or vigor) as compared to untreated area. Degree of suppression will vary with size of weed and environmental conditions following treatment.

**BRUSH CONTROL**

Foliar applications should be made after brush is fully leafed until the beginning of fall leaf coloration. Complete coverage of all foliage and stems is required for brush control. Effectiveness may be reduced if rainfall occurs within 24 hours after application.

High Volume Foliar Ground Applications: Apply as a full coverage spray to foliage, stems and limbs using up to 400 gallons of total spray per acre depending on plant species, height and density of growth and on the type of spray equipment used. On tall, dense brush, it is often necessary to spray from both sides to obtain adequate coverage. Use the following amounts of "Escort" per 100 gallons of water (include surfactant at 1 quart/100 gallons) and spray to runoff for control of:

**1/2 to 1 Ounce\***

Ash	Multiflora rose
Aspen	Salmonberry
Blackberry	Snowberry
Cherry	Thimbleberry
Elm	Wild roses
Hawthorn	Willow

**1 to 2 Ounces\***

Elder	Osage orange
Oaks	Red maple
Ocean spray (Holodiscus)	Cottonwood

\* Where mixed stands occur, use the higher rate for the most difficult-to-control species.

For broader spectrum of control, "Escort" may be tank mixed with Du Pont Krenite® S, "Arsenal"[2], trichlopyr or glyphosate using labeled use rates for each product.

"Escort" at 1/2 to 1 oz plus "Krenite" S at 1 1/2 to 3 gals (plus surfactant) per 100 gals water provides improved control of black cherry and red maple; do not exceed 6 gals "Krenite" S per acre.

Low Volume Foliar Ground Applications: Apply 1 to 3 ounces "Escort" per acre in 25 to 50 gals of water plus 0.25% surfactant by volume for control of ash, cherry, elm, winged elm, black locust, red oak, tuliptree and mulberry.

For improved control of black cherry and red maple, apply 1/2 to 2 ozs "Escort" plus 1-1/2 to 3 gals "Krenite" S (plus surfactant) per acre.

Spotgun Basal Soil Treatment: For control of multiflora rose, prepare a spray suspension of "Escort" using 1 ounce product per gallon of water. Mix vigorously until "Escort" is dispersed and agitate periodically while applying the spray suspension.

Apply the spray preparation with an exact-delivery hand gun applicator. This equipment delivers a thin stream of a predetermined volume when triggered. Apply at the rate of 4 milliliters for each 2 feet of rose canopy diameter. Direct the treatment to the soil within 2 feet of the stem union of the rose to be controlled. When treating large plants and more than one delivery of "Escort" dispersion is required, make applications on opposite sides of the plant.

Applications should be made from early spring to summer, when the ground is not frozen.

**WEED AND BRUSH CONTROL**

**CONIFER PLANTATIONS**

**Site Preparation**

**Loblolly Pine and Slash Pine Only**

For control of blackberry and other broadleaf weeds (see listing under Non-crop Weed Control), apply 1/2 to 1-1/2 ozs "Escort" per acre (plus surfactant) by air or ground equipment. Treat blackberry plants after they have reached full leaf, but before leaf tissue has hardened in the fall. Use sufficient spray volume for complete coverage of these plants. For control of diffuse knapweed, Japanese honeysuckle, palmetto, black cherry and black locust, apply 3-1/3 ozs "Escort" per acre (plus surfactant).

For broader spectrum control, tank mix with:

- o "Arsenal" (as registered) for dewberry, greenbrier, honeysuckle, morningglory, poison ivy, redbvine, trumpet creeper, wild grape, sumac, beech, aspen, black gum, box elder, chinaberry, dogwood, hickory, persimmon, red maple, sassafras, sourwood, sweetgun, yellow poplar and others (see container label).
- o "Velpar" L (as registered) for bracken fern, ash, aspen, balsam, blackgum, cherry, poplar, birch, box elder, brambles, cherry (black and pin), elm, winged elm, hawthorne, hazel, honeysuckle, oaks (red, black and white), and willow(see container label).
- o "Accord" (or "Roundup"[3] both as registered) for blackgum, braken fern, cherry, Virginia creeper, dewberry, honeysuckle, black locust, persimmon, poison ivy, sassafras, sourwood, sumac, sweet gum, hawthorn, trumpet creeper, wax myrtle and others (see container label).
- o "Oust" at 2 to 3 ozs per acre (loblolly pine only) for many herbaceous annual broadleaves and grasses, such as, fireweed, horseweed, common ragweed, annual sowthistle, black mustard, bur clover, sweet clover, curly dock, barnyardgrass, panicums, reed canarygrass, pokeweed, signalgrass and others (see container label). Apply to seedling weeds.

9 of 11

**Douglas Fir**

For control of blackberry and other broadleaf weeds, apply 1/2 to 1 oz "Escort" per acre (plus surfactant) in the spring. Douglas fir may be transplanted in treated areas the next season.

For broader spectrum control, "Escort" should be tank-mixed with "Velpar" L Herbicide. Use "Velpar" L as directed on the package for ground equipment.

**Release**

**Loblolly Pine (established plantations)**

For control of blackberry, apply 1/2 to 1-1/2 ozs "Escort" per acre in a minimum of 10 gals water per acre by air or ground equipment, plus surfactant. Treat plants when they have reached full leaf but before leaf tissue has hardened in the fall. Treatment will also control many annual broadleaf weeds (see Weed Control); best results occur when annuals are treated in the seedling stage.

For broader spectrum control, "Escort" should be tank-mixed as follows:

"Arsenal" - Apply 1/2 to 1-1/2 ozs "Escort" plus 1 pt "Arsenal" (plus surfactant) per acre. Apply during summer to late fall (preferred) as described on the "Arsenal" container label. The combination controls or

improves control of blackberry, black gum, elm, winged elm, and cherry and controls many weeds as shown on product labels.

"Velpar" L (or "Velpar") - For brush control and herbaceous weed control (see container labels for species controlled), apply 1/2 to 1-1/2 ozs "Escort" plus 1-1/2 to 6 qts "Velpar" L (or equivalent "Velpar") per acre. Do not use surfactant.

"Oust" at 2 to 3 ozs per acre for herbaceous weed control. Do not use surfactant. Apply late winter through spring after the soil has settled around the pines.

Do not apply where conifers are suffering from loss of vigor caused by insects, disease, drought, winter damage, or other stresses, as injury may result. Excessive injury may result to conifers less than 4 years of age from transplanting on coarse-textured soils, and less than 3 years of age from transplanting on medium and fine-textured soils. Use on gravelly or rocky soils and exposed subsoils may cause injury or mortality to conifers. Poor weed and brush control may occur from application made when the soil is saturated with water and rain is imminent within 24 hours. Do not use on poorly drained or marshy sites but it may be used where pines are planted on beds. A foam-reducing agent may be added at the recommended rate, if needed.

**RECOMMENDED MINIMUM SPRAY VOLUMES**

PRODUCT SITE PREPARATION	VOLUME - GALS/ACRE		RATE NONIONIC SURFACTANT QTS/100 GALS
	SPRAY GROUND	AERIAL - HELICOPTER ONLY*	
<b>FOR LOBLOLLY AND SLASH PINES</b>			
"Escort" 10 10	1		
"Escort" + "Arsenal"	15	10	1
"Escort" + "Velpar" L	25	10	1
"Escort" + "Accord" or Roundup	10	10	2
"Escort" + "Oust"	15	10	1
PRODUCT SITE PREPARATION	VOLUME - GALS/ACRE		RATE NONIONIC SURFACTANT QTS/100 GALS
	SPRAY GROUND	AERIAL - HELICOPTER ONLY*	
<b>FOR DOUGLAS FIR</b>			
"Escort" 10 10	1		
"Escort" + "Velpar" L	25	10	1
PRODUCT RELEASE	VOLUME - GALS/ACRE		RATE NONIONIC SURFACTANT QTS/100 GALS
	SPRAY GROUND	AERIAL - HELICOPTER ONLY*	
<b>FOR LOBLOLLY PINE</b>			
"Escort"	10	10	1
		Pines established 1 yr.	
"Escort" + Arsenal"	15	10	1
		Pines established 2 yrs.	
"Escort" + "Oust"	10	10	0
		Pines established 1 yr.	
"Escort" + "Velpar" L	25	10	0
		Pines established 1 yr.	

\* Do not apply by air (helicopter) within 200 feet of any homestead, agricultural land or other desirable plantings. Extreme care must be taken to prevent drift or runoff to homesteads, desirable plantings, agricultural land or any body of water. Do not apply when weather conditions favor drift from treated areas.

Apply as a full coverage spray to foliage and stems. Total spray volume per acre will depend upon plant height and density of growth and the type of equipment used. See "Recommended Minimum Spray Volumes."

Loblolly pine may be transplanted into treated areas 4 months after application; slash pine the following season, at least 6 months after application; Douglas fir the following season after treatment of "Escort".

For application of "Escort" alone or in combination on loblolly pine and slash pine, follow directions on the package label of the companion product in addition to "Escort" directions above; see labels for additional plants controlled. Follow all restrictions on labeling of both products in the tank mixes.

Livestock may graze treated areas 0 days after application of up to and including 3/4 oz "Escort" per acre. For combinations, use the most restrictive recommendation of products used.

### USE PRECAUTIONS

Do not apply to any body of water, including streams, irrigation water or wells. Do not apply where runoff water may flow onto agricultural land, as injury to crops may result.

Do not apply "Escort" during periods of intense rainfall or to water-saturated soils as off-target movement may occur.

Do not apply to impervious substrates such as paved or highly compacted surfaces nor to frozen ground as off-target movement will occur.

Do not allow spray to drift onto adjacent crops or other desirable plants or trees as injury may occur.

Do not use on lawns, golf courses, athletic fields, commercial sod operations, or other high-maintenance, fine turfgrass areas.

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

In areas where sensitive crops are grown, make applications to soils whose surface has been settled by rain. Do not treat powdery dry soil or light sandy soils, when there is little likelihood of rainfall soon after treatment, as wind may cause off-target movement.

Following an "Escort" application, do not use sprayer for application to crops. This is extremely important, as low rates of "Escort" can kill or severely injure most crops except small grains).

### SPRAY PREPARATION

Fill the spray tank half full of water and, with agitator running, add the proper amount of "Escort". Finish adding the required amount of water. Continuous agitation is required to keep the product in suspension. For postemergence applications, a nonionic surfactant of at least 80% active ingredient should be added (unless specified otherwise) to improve wetting and/or contact activity. To minimize drift, a drift control agent may be added at the recommended label rate. "Escort" spray preparations may degrade in acidic solutions below pH 7 if not used in 24 hours; they are stable in alkaline solutions. Thoroughly reagituate before using. Tank mixes with other registered herbicides should be tested for compatibility before full scale mixing.

**Sprayer Agitation:** Use mechanical or bypass agitation to thoroughly mix the spray solution. After initial mixing, do not use excessive agitation when using a surfactant as foaming problems may result. To avoid foaming problems, use antifoam agents.

### SPRAYER CLEANUP

Immediately after spraying, thoroughly remove all traces of "Escort" from mixing and spray equipment as follows:

1. Drain tank, rinse interior surfaces of tank; then flush tank, boom and hoses with clean water from a minimum of 5 minutes.
2. Partially fill the tank with clean water, then add cleaning solution\*. Complete filling of the tank with clean water. Flush solution through boom, hoses, and nozzle, then allow to sit for 15 minutes with agitation running; then drain.
3. Repeat Step 2.
4. Repeat Step 1.
5. Nozzles, screens, and strainers should then be removed and cleaned separately.
6. To remove traces of cleaning solution, rinse the tank thoroughly with clean water and flush through hoses and boom.
7. Flush boom and hoses with clean water for 5 minutes just prior to using the sprayer for the first time after the "Escort" application.

\* Use any of the following cleaning solutions:

1. One gallon ammonia (containing 3% active ingredient) per 100 gallons of water.
2. Nutra-sol[4] (carefully read and follow Nutra-sol label directions).
3. Loveland Spray Tank Cleaner[5] (carefully read and follow Loveland Spray Tank Cleaner label directions).
4. Tank-Aid[6] (carefully read and follow Tank-Aid label directions).

**CAUTION:** Do not use chlorine bleach with ammonia. All traces of liquid fertilizer containing ammonia, ammonium nitrate or ammonium sulphate must be rinsed with water from the mixing and application equipment before adding chlorine bleach solution. Failure to do so will release a gas with a musty chlorine odor which can cause eye, nose, throat and lung irritation. Do not clean equipment in an enclosed area.

### STORAGE AND DISPOSAL

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

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

**Container Disposal:** Triple rinse (or equivalent) the container and then offer for recycling or reconditioning, or puncture and dispose of in a sanitary land fill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

11 7 11

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

### **NOTICE OF WARRANTY**

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Injury to adjacent crops, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other material, or the manner of use or application, all of which are beyond the control of Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

- [1] Registered trademark of 3M Agricultural Products
- [2] Registered trademark of American Cyanamid Company.
- [3] Registered trademark of Monsanto Company
- [4] Sold by Thomas G. Kilfoil
- [5] Registered trademark of Loveland Tank Cleaner
- [6] Manufactured for Combelt Chemical Company

**AG - 5407 9091 8/28/91**