



ESCORT® HERBICIDE

REG. CODE 1089-002

PACKAGE SIZE
8 - 8 OZ. BOTTLES/CARTON

DRY FLOWABLE

ACTIVE INGREDIENT

Metsulfuron methyl

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

BY WEIGHT

60%

INERT INGREDIENTS.....

40%

TOTAL 100%

EPA Reg. No. 352-439

U.S. Patent 4,383,113

KEEP OUT OF REACH OF CHILDREN

CAUTION

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. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

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

Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of waste.

NOTIFICATION
LABEL NOT REVISED
PER FR NOTICE 88-8

DATE JUN 21 1997

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. Keep from contact with fertilizers, insecticides, fungicides and seeds

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 apply this product through any type of irrigation system.

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

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)

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

GENERAL INFORMATION

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 postemergence 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 fencerows. "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-purple 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.

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

Following use of "Escort" on some naturally-occurring biotypes*, certain weeds listed on this label may not be effectively controlled by this product.

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 postemergence treatments before seed formation. Respray problem areas in a timely and effective manner using a herbicide with a different mode of action**.

*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. Herbicide resistant biotypes are able to survive a use rate several times higher than needed to control susceptible biotypes.

**Mode of action is the chemical interaction that interrupts a biological process necessary for plant growth and development.

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

DIRECTIONS FOR USE

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

"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 any manner not specifically recommended by Du Pont. User 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 use on established, unimproved, industrial turf for weed control.

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.

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. Combinations 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.

"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.

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. 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	Corn Cockle	Plantain
Annual sowthistle	Cow Cockle	Prickly lettuce*
Aster	Crown vetch	Redroot pigweed
Bahiagrass	Dandelion	Redstem filaree
Beebalm	Dogfennel	Rough Fleabane
Bittercress	False chamomile	Shepherdspurse
Bitter sneezeweed	Fiddleneck tarweed	Smallseed falseflax
Blackeyed susan	Field pennycress	Smooth pigweed
Blue Mustard	Flixweed	Sweet clover
Bur buttercup	Goldenrod	Tansymustard
Chicory	Gumweed	Treacle mustard
Clover	Henbit	Tumble Mustard
Cocklebur	Lambsquarters	Wild carrot
Goldenrod	Marestail	Wild lettuce
Common chickweed	Maximillion	Wild mustard
Common groundsel	sunflower	Wooly croton
Common mullein	Miners lettuce	Wood sorrell
Common purslane	Pennsylvania	Yankeeeweed
Common yarrow	smartweed	
Conical catchfly	Plains coreopsis	

*Except resistant biotypes

1/2 to 1 ounce "Escort"/acre

Blackberry	Dyer's wood	Hoary cress
Broom snakeweed	Kochia*	(whiteweed)
Buckhorn plantain	Common Sunflower	Multiflora rose
Canada thistle**	Prostrate knotweed	Rosering gaillardia
Curly dock		

1 to 2 ounces* "Escort"/acre

Bull thistle	Russian thistle*	Salsify
Field bindweed**	Scouringrush	Musk thistle

3 to 4 ounces

Kudzu

*Except resistant biotypes

**Suppression

SPECIAL WEED PROBLEMS

Kochia, Russian Thistle and Prickly Lettuce:

Since these weeds 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. Where resistance is known to occur, these weeds should not be allowed to form mature seed but should be treated postemergence with herbicides registered for control of these weeds such as 2, 4-D and dicamba

TURF (INDUSTRIAL, UNIMPROVED ONLY)

Selective Control of Weeds in Turf

"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 must be taken to prevent drift; add a drift control agent to reduce drift use at least 10 gals water per acre.

NOTE: 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, 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

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

CRESTED 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

These treatments will control the following weeds.

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

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

1/3 to 2 ounces "Escort"/acre

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

BLUE GRAMA, BLUESTEMS (BIG, LITTLE, PLAINS, SAND, WW SPAR), BROMEGRASSES (MEADOW), BUFFALOGRASS, GREEN SPANGLETOP, INDIANGRASS, KLINGGRASS, LOVEGRASSES (ATHERSTONE, SAND, WEEPING, WILMAN), ORCHARDGRASS, SIDEOATS GRAMA, SWITCHGRASS (BLACKWELL), WHEATGRASS (BLUEBUNCH, INTERMEDIATE, PUBESCENT SIBERIAN, SLENDER, STREAMBANK, TALL THICKSPIKE, WESTERN), AND WILD RYE GRASS (RUSSIAN) In states of CO, KS, NE, NM, OK, UT & TX.

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 weeds are in the seedling stage

WEEDS CONTROLLED

Bur buttercup (tesiculate)	Kochia*-**	and tumble
Common purslane	Lambsquarters** -	Prickly lettuce*
Common sunflower**	leaf	Russian thistle**
Cutleaf	Marestail**	Snow speedwell
eveningprimrose**		Tansymustard**
Flixweed**	Pigweed - redroot	Trumble mustard (Jim Hill)

*Except resistant biotypes

**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.

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-S² 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

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	Cherry	Salmonberry
Aspen	Elm	Thimbleberry
Blackberry	Multiflora rose	Willow

1 to 2 Ounces*

Elder	Ocean Spray	Red Maple
Oaks	(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", triglopyr 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.

LOBLOLLY PINE PLANTATIONS

(AL, AR, FL, GE, KY, LA, MS, NC, SC, TN, TX, VA AND WV ONLY)

"Escort" is recommended for control of certain weeds in established (at least 2 years old) plantations of loblolly pine (only).

For control of blackberry, apply 1/2 to 1 oz "Escort" per acre in a minimum of 10 gals water per acre; add surfactant at 0.25% by volume (1 qt 100 gals water). 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).

For broader spectrum brush control "Escort" should be tank-mixed with "Velpar" L (or "Velpar") as directed on package labeling

NOTE: 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 conifer injury or mortality. 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.

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 may be added 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 if

not used in 24 hours, they are stable in alkaline solutions. Thoroughly reagitrate 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, then flush tank, boom and hoses with clean water for a minimum of 10 minutes.
2. Fill the tank with clean water, then add 1/2 gallon chlorine bleach (containing 5 1/4% sodium hypochlorite) per 100 gallons of water. Turn on sprayer long enough to flush through boom and hoses. Stop spraying, but keep agitator working in the tank for 15 minutes, then drain.
3. Repeat Step 2.
4. Nozzles and screens should be removed and cleaned separately. To remove traces of chlorine bleach, rinse the tank thoroughly with clean water and flush through hoses and boom.

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 chloring beach 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 landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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

NOTICE OF WARRANTY

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with 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.

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