

"AVATAR" HERBICIDE
DISPERSIBLE GRANULE

ACTIVE INGREDIENTS

BY WEIGHT

Chlorsulfuron
(2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-
aminocarbonyl]benzenesulfonamide)..... 15%

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

INERT INGREDIENTS..... 80%

TOTAL 100%

EPA Reg. No. 352

U.S. Pat. 4,127,405 & 4,383,113

EPA Est. No. 352-WV-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

ACCEPTED
MAY 18 1983
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 352 593

CAUTION! MAY IRRITATE EYES, NOSE, THROAT AND SKIN. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing.

In case of contact with eyes, immediately flush with plenty of water. Get medical attention if irritation persists. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.

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

ENVIRONMENTAL HAZARDS

Do not apply directly to any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

BEST AVAILABLE COPY

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 (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 apply where runoff water may flow onto agricultural land, as injury to crops may result. Do not contaminate any body of water, including irrigation water. Do not use on lawns, walks, driveways, tennis courts or similar areas. Prevent drift of spray to cropland and other desirable plants. Keep from contact with fertilizers, insecticides, fungicides and seeds. Following a "Avatar" application, the spray tank should not be used for other than non-crop applications. This is extremely important, as low rates of "Avatar" can kill or severely injure most crops.



GENERAL INFORMATION

"Avatar" Herbicide is a dispersible granule to be mixed in water and applied as a uniform broadcast spray for non-cropland weed control. It is noncorrosive, nonflammable, nonvolatile

"Avatar" rapidly inhibits growth of susceptible weeds. However, typical symptoms (discoloration) of dying weeds may not be noticeable for 1 to 3 weeks after application depending on growing conditions and weed susceptibility. Warm, moist conditions following treatment promote the activity of "Avatar" while cold, dry conditions delay the activity of "Avatar". Weeds hardened off by cold weather or drought stress may not be fully controlled.

Degree of control and duration of effect depend on a) rate used, b) weed spectrum, c) weed size, d) growing conditions at and following time of treatment, e) soil pH, f) precipitation, and g) soil organic matter.

DIRECTIONS FOR USE

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

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

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

Du Pont "Avatar" Herbicide is recommended for preemergence and postemergence control of many annual and perennial broadleaf weeds in railroads.

"Avatar" may be applied preemergence or postemergence to the weeds, but for best results, apply postemergence to young, actively growing weeds at any time of the year, except when ground is frozen. Adequate moisture by rainfall is needed to activate the herbicide. Do not apply to soils saturated with moisture or during periods of intense rainfall.

NON-SELECTIVE WEED CONTROL ON RAILROADS

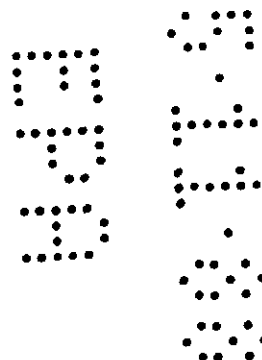
Apply "Avatar" at the rates of 1 1/2 to 15 oz per acre per year to control many annual and perennial broadleaf weeds in non-cropland areas. The addition of a surfactant in postemergence applications enhances activity and is recommended.

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.

WEEDS CONTROLLED AND USE RATES

1 1/2 to 15 oz per Acre

Annual sowthistle	Common sunflower	Henbit**
Bouncingbet	Dandelion*	London rocket
Canada thistle*	Fiddleneck	Sweetclover
Common chickweed	Filaree	Tumble mustard
Common lambsquarters	Goldenrod*	Turkey mullein*
Common speedwell	Groundsel	Wild mustard
		Wild parsnip



* partial control only

** controlled at 1/4 to 1/2 oz per acre

BEST AVAILABLE COPY

WEEDS CONTROLLED AND USE RATES (Continued)

5 oz to 15 oz per Acre

Aster	Crown vetch	Ragweed*
Bedstraw	Curly dock	Red clover
Black mustard	Foxtail (Setaria spp)*	Russian thistle
Buckhorn plaintain	Goldenrod	Scouringrush
Burclover	Horsetail	Sweet clover
Canada thistle	Kochia	Tansymustard
Chicory	Musk thistle	White clover
Common chickweed	Multiflora rose	Wild carrot
Common cinquefoil	Plantain*	Wild lettuce
Common mallow	Prickly lettuce	Yellow starthistle*
Common yarrow	Puncturevine*	

partial control only

HOW TO USE

SPRAY PREPARATION

Fill the spray tank half full of water and with agitator running, add the proper amount of "Avatar". Finish adding the required amount of water. Continuous agitation is required to keep the product in suspension. For postemergence applications, a non-ionic surfactant such as Du Pont Surfactant WK or "Ortho X-77" I -- may be added at the rate of 1 qt. per 100 gallons of spray to improve wetting and/or contact activity. To minimize drift, a drift control agent may be added at the recommended label rate. Use "Avatar" spray preparation within 24 hours or product degradation may occur. Thoroughly re-agitate before using.

APPLICATION TECHNIQUE

Before spraying, calibrate the equipment to determine the quantity of water necessary to uniformly cover the vegetation and soil in a measured area to be treated. Use a fixed boom, off center nozzle or boomless straight stream nozzles properly calibrated to a constant speed of travel and rate of delivery. Avoid overlapping and shut off spray booms while starting, turning, slowing or stopping when spraying industrial turf as injury to the desired species may result. Do not allow spray to drift onto adjacent crops or other valuable plants or trees, as injury may occur. Extreme care must be taken to prevent drift.

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

SPRAY VOLUME

Apply "Avatar" in ground equipment. Select a spray volume that will assure thorough coverage and uniform spray pattern. Do not use less than 10 gallons of water per acre. Spray volumes of 20 to 40 gallons per acre are preferred. Spray pressure of 25 to 50 psi are adequate.

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 anti-foam agents.

SELECTION OF USE RATES

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.

Registered trademark of Chevron Chemical Company

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

STORAGE AND DISPOSAL

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

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

CONTAINER DISPOSAL: Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 materials, or the manner of use or application, all of which are beyond the control of Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

D050488

