

**SAHARA® DG herbicide
BAREGROUND VEGETATION CONTROL**

ACTIVE INGREDIENT:

Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid).....	7.78%
Diuron (3-[3,4-dichlorophenyl]-1,1-dimethylurea)	62.22%
INERT INGREDIENTS	30.00%
TOTAL	100.00%

EPA Reg. No. 241-372

U.S. Patent No. 4,798,619

EPA Est. No.

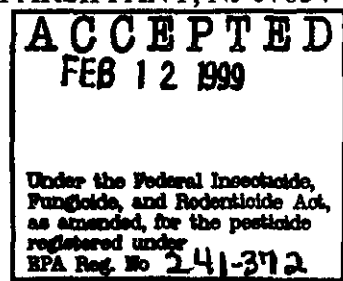
KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

In case of emergency endangering life or property involving this product, call collect, day or night, Area Code 973-683-3100.
See next page for Additional Precautionary Statements

AMERICAN CYANAMID COMPANY
NORTH AMERICA AGRICULTURAL PRODUCTS DIVISION
SPECIALTY PRODUCTS DEPARTMENT
ONE CAMPUS DRIVE
PARSIPPANY, NJ 07054 ©1998



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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION!

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID

- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.
- IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.
- IF INHALED:** Remove victim to fresh air.

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.

PHYSICAL AND CHEMICAL HAZARDS

Spray solutions of SAHARA DG herbicide should be mixed, stored and applied only in stainless steel, fiberglass, plastic and plastic-lined steel containers.

DO NOT mix, store or apply SAHARA DG herbicide or spray solutions of SAHARA DG herbicide in unlined steel (except stainless steel) containers or spray tanks.

IMPORTANT

DO NOT use on food or feed crops. **DO NOT** treat irrigation ditches, or water used for crop irrigation or for domestic purposes. Keep from contact with fertilizers, insecticides, fungicides and seeds. **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** use on lawns, walks, driveways, tennis courts, or similar areas. **DO NOT** side trim desirable vegetation with this product. Prevent drift of spray to desirable plants. **DO NOT USE** in California. Clean application equipment after using this product by thoroughly flushing with water.

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DIRECTIONS FOR USE

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

SAHARA DG herbicide should be used only in accordance with recommendations on the leaflet label attached to the container. Keep containers closed to avoid spills and contamination.

STORAGE AND DISPOSAL

PROHIBITIONS: DO NOT contaminate water, food or feed by storage or disposal of this product.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in an approved sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

APPLICATION INSTRUCTIONS

SAHARA DG herbicide controls many annual and perennial weeds when applied either preemergence or postemergence (See the weeds controlled section for a list of susceptible weeds).

SAHARA DG herbicide should be dissolved in water and applied with properly calibrated equipment to deliver the desired gallons per acre of spray volume in a uniformly distributed spray pattern across the treated area. SAHARA DG herbicide should be applied at 7 to 19 pounds of product per acre. Length of control may be rainfall dependent. When re-treating areas the same year which were already treated with SAHARA DG herbicide, rates below 7 pounds per acre can be applied for re-treatments, with the total SAHARA DG herbicide rate not to exceed 19 pounds per acre.

Ensure that spray equipment maintains adequate agitation to keep SAHARA DG herbicide in solution.

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Postemergence Applications: Always use a spray adjuvant (See adjuvant section of this label) when making a postemergence application. For optimum performance on tough to control perennial weeds, applications should be made at a total volume of 100 gallons per acre or less in combination with 1 quart per acre of a methylated seed oil. For quicker burndown or brown-out of target weeds, SAHARA DG herbicide may be tank-mixed with products such as Roundup™ or Finale™ (See the tank-mix section of this label for other products and specific recommendations).

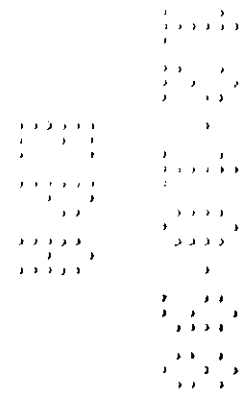
Spot Treatments: SAHARA DG herbicide may be used as a follow-up treatment to control escapes or weed encroachment in a bareground situation. To prepare the spray solution, thoroughly mix in each gallon of water at least 0.5 to 1 pound of SAHARA DG herbicide plus an adjuvant. Do not exceed 19 pounds of product per acre. For increased burndown, include Roundup, Finale, or similar products (See the tank-mix section of this label for other products and specific recommendations).

TANK MIXES

SAHARA DG herbicide may be tank-mixed with Roundup, Karmex™ (Diuron), Oust™, Garlon™, Finale, MSMA, Banvel™, Vanquish™, PENDULUM®, PLATEAU® or ARSENAL®. Tank-mixes with 2,4-D or products which contain 2,4-D, have resulted in reduced performance of perennial weed control.

Consult manufacturer's labels for specific rates and weeds controlled. Always follow the more restrictive label when making an application involving tank-mixes.

- ™ Roundup is a trademark of Monsanto Company.
- ™ Finale is a trademark of Hoechst AG
- ™ Karmex and Oust are trademarks of E.I. Du Pont de Nemours and Company
- ™ Garlon is a trademark of Dow-Agrosciences Company
- ™ Banvel and Vanquish are trademarks of BASF Corporation
- ® Registered Trademarks of American Cyanamid Company



WEEDS CONTROLLED BY SAHARA DG HERBICIDE

SAHARA DG herbicide will provide preemergence or postemergence control with residual control of the following target vegetation species at the rates listed. Residual control refers to control of newly germinating seedlings in both annuals and perennials. In general, annual weeds may be controlled by preemergence or postemergence applications of SAHARA DG herbicide. **For established biennials and perennials postemergence applications of SAHARA DG herbicide are recommended.** The rates shown below pertain to broadcast applications and indicate the relative sensitivity of these weeds. SAHARA DG herbicide should be used only in accordance with the recommendations on this label.

WEEDS CONTROLLED¹

GRASSES

<u>COMMON NAME</u>	<u>SPECIES</u>	<u>GROWTH HABIT²</u>
Annual bluegrass	(<u>Poa annua</u>)	A
Annual ryegrass	(<u>Lolium multiflorum</u>)	A
Annual sweet vernalgrass	(<u>Anthoxanthum odoratum</u>)	A
Bahiagrass ⁷	(<u>Paspalum notatum</u>)	P
Barnyardgrass	(<u>Echinochloa crusgalli</u>)	A
Beardgrass	(<u>Andropogon spp.</u>)	P
Bermudagrass ^{7, 8, 9}	(<u>Cynodon dactylon</u>)	P
Big bluestem ⁷	(<u>Andropogon gerardii</u>)	P
Broadleaf signalgrass	(<u>Brachiaria platyphylla</u>)	A
Canada bluegrass	(<u>Poa compressa</u>)	P
Cattail	(<u>Typha spp.</u>)	P
Cheat	(<u>Bromus secalinus</u>)	A
Cogongrass	(<u>Imperata cylindrica</u>)	P
Crabgrass	(<u>Digitaria spp.</u>)	A
Dallisgrass ⁷	(<u>Paspalum dilatatum</u>)	P
Downy brome	(<u>Bromus tectorum</u>)	A
Fall panicum	(<u>Panicum dichotomiflorum</u>)	A
Feathertop	(<u>Pennisetum villosum</u>)	P
Fescue	(<u>Festuca spp.</u>)	A/P
Foxtail	(<u>Setaria spp.</u>)	A
Goosegrass	(<u>Eleusine indica</u>)	A
Guineagrass	(<u>Panicum maximum</u>)	P
Italian ryegrass	(<u>Lolium multiflorum</u>)	A
Johnsongrass	(<u>Sorghum halepense</u>)	P
Kentucky bluegrass	(<u>Poa pratensis</u>)	P

Kyllinga	(<u>Cyperus brevifolius</u>)	A
Lovegrass	(<u>Eragrostis spp.</u>)	A/P
Maidencane	(<u>Arundinaria amabilis</u>)	P
Orchardgrass	(<u>Dactylis glomerata</u>)	P
Paragrass	(<u>Brachiaria mutica</u>)	P
Peppergrass	(<u>Lepidium virginicum</u>)	A
Phragmites	(<u>Phragmites australis</u>)	P
Prairie cordgrass	(<u>Spartina pectinata</u>)	P
Prairie threeawn	(<u>Aristida oligantha</u>)	P
Quackgrass	(<u>Agropyron repens</u>)	P
Rattail fescue	(<u>Vulpia myuros</u>)	A
Reed canarygrass	(<u>Phalaris arundinacea</u>)	P
Ricegrass	(<u>Oryzopsis hymenoides</u>)	A
Saltgrass ^{7, 8, 9}	(<u>Distichlis stricta</u>)	P
Sand dropseed ⁷	(<u>Sporobolus cryptandrus</u>)	P
Sandbur	(<u>Cenchrus spp.</u>)	A
Smooth brome	(<u>Bromus inermis</u>)	P
Sprangletop ^{6, 7}	(<u>Leptochloa spp.</u>)	A
Timothy	(<u>Phleum pratense</u>)	P
Torpedograss	(<u>Panicum repens</u>)	P
Vaseygrass	(<u>Paspalum urvillei</u>)	P
Velvetgrass	(<u>Holcus lanatus</u>)	A
Wild barley	(<u>Hordeum spp.</u>)	A
Wild oats	(<u>Avena fatua</u>)	A
Wirestem muhly	(<u>Muhlenbergia frondosa</u>)	P
Witchgrass	(<u>Panicum capillare</u>)	A

BROADLEAF WEEDS¹

Arrowwood	(<u>Pluchea sericea</u>)	A
Ageratum	(<u>Asteraceae houstonianum</u>)	P
Broom snakeweed ³	(<u>Gutierrezia sarothrae</u>)	P
Bull thistle	(<u>Cirsium vulgare</u>)	B
Burdock	(<u>Arctium spp.</u>)	B
Canada thistle ⁷	(<u>Cirsium arvense</u>)	P
Carolina geranium	(<u>Geranium carolinianum</u>)	A
Carpetweed	(<u>Mollugo verticillata</u>)	A
Clover	(<u>Trifolium spp.</u>)	A/P
Cocklebur	(<u>Xanthium strumarium</u>)	A
Common chickweed	(<u>Stellaria media</u>)	A
Common ragweed	(<u>Ambrosia artemisiifolia</u>)	A

Corn spurry	(<u>Spergula arvensis</u>)	P
Dandelion	(<u>Taraxacum officinale</u>)	P
Dayflower	(<u>Commelina spp.</u>)	A/P
Desert Camelthorn	(<u>Alhagi pseudalhagi</u>)	P
Diffuse knapweed	(<u>Centaurea diffusa</u>)	A
Dock	(<u>Rumex spp.</u>)	P
Dogfennel	(<u>Eupatorium capillifolium</u>)	A
Filaree	(<u>Erodium spp.</u>)	A
Fleabane	(<u>Erigeron spp.</u>)	A
Giant ragweed ⁷	(<u>Ambrosia trifida</u>)	A
Goldenrod	(<u>Solidago spp.</u>)	P
Grey rabbitbrush	(<u>Chrysothamnus nauseosus</u>)	P
Gromwell	(<u>Lithospermum spp.</u>)	A
Groundcherry	(<u>Physalis spp.</u>)	A/P
Hawksbeard	(<u>Crepis spp.</u>)	A
Hoary vervain	(<u>Verbena stricta</u>)	P
Horsenettle	(<u>Solanum carolinense</u>)	P
Horseweed	(<u>Conyza canadensis</u>)	A
Indian mustard	(<u>Brassica juncea</u>)	A
Japanese bamboo	(<u>Polygonum cuspidatum</u>)	P
Knawel	(<u>Scleranthus annuus</u>)	A
Kochia ³	(<u>Kochia scoparia</u>)	A
Lambsquarters	(<u>Chenopodium album</u>)	A
Lespedeza	(<u>Lespedeza spp.</u>)	P
Little mallow	(<u>Malva parviflora</u>)	B
Marigold	(<u>Tagetes spp.</u>)	P
Milkweed	(<u>Asclepias spp.</u>)	P
Miners lettuce	(<u>Montia perfoliata</u>)	A
Morningglory	(<u>Ipomoea spp.</u>)	A/P
Mullein	(<u>Verbascum spp.</u>)	B
Nettleleaf goosefoot	(<u>Chenopodium murale</u>)	A
Oxeye daisy	(<u>Chrysanthemum leucanthemum</u>)	P
Pennycress	(<u>Thlaspi spp.</u>)	A
Pepperweed	(<u>Lepidium spp.</u>)	A
Pigweed ⁶	(<u>Amaranthus spp.</u>)	A
Pineapple weed	(<u>Matricaria matricarioides</u>)	P
Plantain	(<u>Plantago spp.</u>)	P
Pokeweed	(<u>Phytolacca americana</u>)	P
Prickly sida	(<u>Sida spinosa</u>)	A
Primrose	(<u>Oenothera kunthiana</u>)	P
Puncturevine	(<u>Tribulus terrestris</u>)	A
Purple loosestrife ³	(<u>Lythrum salicaria</u>)	P
Purslane	(<u>Portulaca spp.</u>)	A

Ragweed	(<u>Ambrosia</u> spp.)	A
Rush skeletonweed ³	(<u>Chondrilla juncea</u>)	B
Russian knapweed	(<u>Centaurea repens</u>)	P
Russian thistle ³	(<u>Salsola kali</u>)	A
Saltbush	(<u>Atriplex</u> spp.)	A
Sesbania	(<u>Sesbania</u> spp.)	A
Sicklepod	(<u>Cassia obtusifolia</u>)	A
Silverleaf nightshade	(<u>Solanum elaeagnifolium</u>)	P
Shepherd's-purse	(<u>Capsella bursa-pastoris</u>)	A
Smartweed	(<u>Polygonum</u> spp.)	A/P
Sorrell	(<u>Rumex</u> spp.)	P
Sowthistle	(<u>Sonchus</u> spp.)	A
Speedwell	(<u>Veronica</u> spp.)	A
Stinging nettle ³	(<u>Urtica dioica</u>)	P
Sunflower	(<u>Helianthus</u> spp.)	A
Sweet clover	(<u>Melilotus</u> spp.)	A/B
Tansymustard	(<u>Descurainia pinnata</u>)	A
Texas thistle	(<u>Cirsium texanum</u>)	P
Velvetleaf	(<u>Abutilon theophrasti</u>)	A
Western ragweed	(<u>Ambrosia psilostachya</u>)	P
Wild buckwheat	(<u>Polygonum convolvulus</u>)	A
Wild carrot	(<u>Daucus carota</u>)	B
Wild lettuce	(<u>Lactuca</u> spp.)	A/B
Wild parsnip	(<u>Pastinaca sativa</u>)	B
Wild radish	(<u>Raphanus raphanistrum</u>)	B
Wild turnip	(<u>Brassica campestris</u>)	B
Woollyleaf bursage	(<u>Franseria tomentosa</u>)	P
Yellow starthistle	(<u>Centaurea solstitialis</u>)	A
Yellow woodsorrel	(<u>Oxalis stricta</u>)	P

VINES AND BRAMBLES¹

Blackberry ⁴	(<u>Rubus</u> spp.)	P
Dewberry ⁴	(<u>Rubus</u> spp.)	P
Field bindweed	(<u>Convolvulus arvensis</u>)	P
Greenbriar	(<u>Smilax</u> spp.)	P
Hedge bindweed	(<u>Calystegia sequium</u>)	A
Honeysuckle	(<u>Lonicera</u> spp.)	P
Kudzu ⁵	(<u>Pueraria lobata</u>)	P
Morningglory	(<u>Ipomoea</u> spp.)	A/P
Poison ivy	(<u>Rhus radicans</u>)	P
Redvine	(<u>Brunnichia cirrhosa</u>)	P

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Trumpet creeper ⁷	(<u>Campsis radicans</u>)	P
Virginia creeper ⁷	(<u>Parthenocissus quinquefolia</u>)	P
Wild buckwheat	(<u>Polygonum convolvulus</u>)	P
Wild grape	(<u>Vitis spp.</u>)	P
Wild rose	(<u>Rosa spp.</u>)	P

BRUSH SPECIES¹

SAHARA DG herbicide controls more than 30 species of brush.

- ¹ The higher rates should be used where heavy or well established infestations occur.
- ² Growth Habit - A = Annual, B = Biennial, P = Perennial
- ³ For best results early postemergence applications are required.
- ⁴ The degree of control is species dependent. Some Rubus species may not be completely controlled.
- ⁵ Use a minimum of 75 GPA - Control of established stands may require repeat applications.
- ⁶ **Control is species dependent. A tank-mix with PENDULUM herbicide for preemergence control and/or a postemergence application of a labeled herbicide may be required.**
- ⁷ Require a minimum of 13 pounds SAHARA DG herbicide per acre.
- ⁸ For best results tank-mix with Oust.
- ⁹ Control of established stands may require repeat applications.

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