

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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Mr. Jeffrey H. Birk, Ph.D. BASF Corporation Agricultural Products 26 Davis Drive Research Triangle Park, NC 27709

NOV 17 2008

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Dr Birk:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN).2007-4 dated October 13, 2008 for:

EPA Registration 241-372 Sahara DG Herbicide

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by nonnotification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs

Please read instructions o	n reverse before compl	eting form.	For	m Approve	d. OMB No. 2070-00)60. Approval expires 2-28-9	
\$EPA	EPA Environmental Protecti Washington, DC 20		ion Agency		Registration Amendment Other	OPP Identifier Number	
		Application	on for Pesticide -	Section	1		
1. Company/Product Numb 241-372	Oer .	,	2. EPA Produc James Tom		3.1	Proposed Classification	
4. Company/Product (Nam Sahara DG herbicide	8)		PM# 25				
5. Name and Address of ABASF 26 Davis Drive Research Triangle F		ode)	(b)(i), my pro- to: EPA Reg. N Product Na	duct is sim	nilar or identical in o	HOATION 3(c)(3) composition and labeling 1 7 2007	
			Section - II				
Amendment - Explain Resubmission in resubmission - Explain	sponse to Agency lette	r dated	Agend	printed labe cy letter dat 「oo" Applica - Explain be	ation.	·.	
with the guidance in PR No changes have been made to willfully make any false state 156.144, 156.146, and 156	tice 2007-4 and the require the labeling or the con- tement to EPA. I further 1.156, this product may be	irements of EPA fidential stateme understand that e in violation of I	A's regulations at 40 CFR 15 ent of formula of this product if the amended label is not	56.10, 156.1 t. I understa consistent w to enforcem	40, 156.144, 156.146, and that it is a violation with the requirements on the action and penalting	of 18 U.S.C. Sec. 1001 to f 40 CFR 156.10, 156.140, es under sections 12 and 14	
			Section - III				
1. Material This Product W	ill Be Packaged In:						
Child-Resistant Packaging Yes No * Certification must be submitted	Unit Packaging Yes No If "Yes" Unit Packaging wgt.	No. per container		per tainer	2. Type of Containe Metal Plastic Glass Paper Other		
3. Location of Net Contents	Information	4. Size(s) Ret	ail Container	E Io	cation of Label Direct	iona	
∠ Label ∠	Container				· · · · ·	accompanying product	
6. Manner in Which Label i	s Affixed to Product	Lithog Paper Stenci	r glued		ŧ ;		
			Section - IV		• C + C + C + C + C + C + C + C + C + C	£.	
1. Contact Point (Complet	e items directly below t	for identification	n of individual to be conta	cted, if nec	essary, to process th	is apolication.)	
Name Jeffrey H. Birk			Title Regulatory Manager		Telepho	ne No. (Include Area Code) 7-2622	
	ny knowlingily false or		tion all attachments thereto ar tement may be punishable			6. Data Application Raccived (Stamped)	
2. Signatura			B. Title Regulatory Manager				
4. Typed Name Jeffrey H. Birk			5. Date October	13, 2008	3		



October 13, 2008

U.S. Environmental Protection Agency Office of Pesticide Programs (7505P) Document Processing Desk 7504P (NOTIF) Room S-4900 One Potomac Yard 2777 S. Crystal Drive Arlington, VA 22202 Attention: Mr. James Tompkins, (PM 25)

RE: Notification:

> Container Disposal Statement as per PR Notice 2007-04 Sahara® DG herbicide; EPA Reg. No. 241-372

Dear Mr. Tompkins:

BASF is hereby submitting a notification for Sahara DG herbicide (EPA Reg. No. 241-372) in compliance with revisions to the container disposal statements as per PR Notice 2007-04.

Enclosed please find:

- Application form 8570-1
- CD containing electronic copy of the label
- Certification with Respect to Label Integrity
- Sahara DG herbicide label.
- Current Sahara DG herbicide label

No PRIA fee is required for this notification.

Thank you for your assistance with this matter. If you should have any questions, please feel free to call me at (919) 547-2622.

Regards,

Jeffrey H. Birk, Ph.D. Regulatory Manager Phone 919-547-2622

Fax: 919-547-2850

Email: jeffrey.birk@basf.com

Registered Trademark of BASF

Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL				
EPA Registration #	Date Submitted to EPA	Electronic file name		
241-372	10-13-08	000241-00372.20081013.NVA 2008-04-167-0223		

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

Signature

10/13/2008

Date

Jeffrey H. Birk

Name (typed)

Regulatory Manager

Title



Bareground vegatation control in specified noncropland areas

Active Ingredients:

Imazapyr (2-[4,5-dihy	dro-4-meth	ıyl-4-(1 - n	nethyleth	1yl)- 5-	0xo-1 <i>F</i>	l-imidazo	l-2-yl]-	The state of			
3-pyridinecarboxylic a	ıcid)	وموافعيوني									7.789
Diuron (3-[3,4-dichlore	ophenyl]-1,	1-dimeth	ıylurea) .		.i	. 19.				M. C. 2.1.	62.229
Other Ingredients:								برديج فتأدي		, , , , , , , , , , , , , , , , , , , ,	30.009
Total:											. 100.009
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EPA Reg. No. 241-372 U.S. Patent No. 4,798,619 EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See inside for complete First Aid, Precautionary Statements, Directions For Use, and Conditions of Sale and Warranty.

In case of an emergency endangering life or property involving this product, call day or night, 1-800-832-HELP (4357).

Net Contents:

NOTIFICATION

NOV 1 7 2007



	FIRST AID
If in eyes	 Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
	HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for **Category A** on an EPA chemical-resistance category selection chart.

All pilots, flaggers, and groundboom applicators must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

All mixers, loaders, other applicators, and other handlers must wear:

- Long-sleeved shirt, long pants
- Shoes plus socks
- Chemical-resistant gloves, such as barrier laminate, butyl rubber or polyethylene.
- A NIOSH-approved dust/mist filtering respirator with any N, R, P or HE filter or a NIOSH-approved dust/mist filtering respirator with approval number prefix TC-21C.
- Chemical-resistant apron when mixing, loading or cleaning equipment or spills.

See Engineering Controls for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands thoroughly with soap and water after handling and 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.
 Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Engineering Controls

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240(d)(5)].

Flaggers supporting aerial applications must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides [40CFR 170.240(d)(5)] for dermal protection. In addition, Ingegers must wear long-sleeved shirts, long parts, shoes, and socks.

General Precautions and Restrictions

DO NOT enter or allow others to enter treated area until sprays have dried.

DO NOT apply this product in a way that will contact work ers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

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. Apply this product only as specified on this label.

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** 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** 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.

I. GENERAL INFORMATION

Sahara is a dispersible granule to be mixed with water and a spray adjuvant and applied as a spray solution to railroads, utility, pipeline and highway rights-of-way, fence rows, farmyards and around farm buildings, non-irrigation ditch banks, and industrial noncropland areas such as utility plant sites, petroleum tank farms, pumping installations and storage areas, where bareground is desired. **Sahara** may also be used for weed control under paved surfaces.

Sahara will control most annual and perennial grasses and broadleaf weeds in addition to many brush and vine species and Sahara will provide residual control of weeds which germinate in the treated areas. For annual weed control Sahara may be applied either preemergence or postemergence to the weeds; however, a late preemergence to early postemergence application is the method of choice in most situations. For perennial weed control Sahara is only effective when applied postemergence and will not control perennial weeds that are not emerged at the time of application. For maximum activity, weeds should be growing vigorously at the time of postemergence application and the spray solution should include a spray adjuvant (for specific recommendations see ADJUVANTS section of this label).

The length of residual weed control achieved with **Sahara** is dependent upon the weed spectrum present, the rate applied, and weather conditions. Longer residual control can be achieved in areas with sensitive weed species, higher **Sahara** use rates, lower precipitation and cooler soil temperatures. Extremes in weather conditions, such as higher than average rainfall, can significantly affect the residual control of **Sahara** and shorten the overall length of control.

PRECAUTIONS FOR AVOIDING INJURY TO NONTARGET PLANTS

Untreated trees can occasionally be affected by root uptake of **Sahara** through movement into the topsoil. Injury or loss of desirable trees or other plants may result if **Sahara** is applied on or near desirable trees or other

plants, on areas where their roots extend, or in locations where the treated soil may be washed or moved into contact with their roots.

Treatment of powder dry soil or light sandy soil when there is little likelihood of rainfall soon after treatment may result in off target movement and possible damage to desirable plants when soil particles are moved by water and/or wind. Injury to crops may result if treated soil is washed, blown, or moved onto land used to produce crops. Exposure to **Sahara** may injure or kill most crops.

DIRECTIONS FOR USE

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

Sahara 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

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 (for paper or plastic bags)

Nonrefillable Container. DO NOT reuse or refill this container. After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

In Case of Spill

In case of large-scale spillage regarding this product, call. CHEMTREC 1-800-424-9300

BASF Corporation 1-800-832-HELP (435?)

SPRAY DRIFT

DO NOT apply this product in a way that will contact works ers or other persons either directly or through drift.

Requirements for reducing spray drift for ground and aerial applications: Use best practices to avoid drift to crops and non-target areas. DO NOT apply when conditions favor drift from target areas. The interaction of many equipment- and weather-related factors determine the potential for spray drift. Avoiding spray drift at the application site is the responsibility of the applicator. The applicator must follow the most restrictive precautions to avoid drift, including those found in this labeling was well as applicable state and local regulations and ordinances. A drift control agent may reduce drift, however, it may also decrease weed control.

Make aerial and ground applications only when the wind speed is less than or equal to 10 miles per hour.

DO NOT make aerial or ground applications into temperature inversions.

Apply with medium or courser spray (according to ASAE standard 572) for standard nozzles.

For ground applications, use lowest nozzle height consistent with safety and efficacy. Direct spray into target vegetation.

For aerial applications the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Use upwind swath displacement. Apply at a minimum safe altitude above the area being treated. **DO NOT** apply by air if sensitive non-target crops are within 100 feet of the application site.

II. Application Instructions

Application Restrictions

- A maximum of 19 pounds of Sahara® DG herbicide
 (12 pounds of diuron) per acre may be applied in areas of high rainfall or dense vegetation.
- A maximum of 12.85 pounds of Sahara per acre (8 pounds of diuron) may be applied in all other areas.
- A maximum of two (2) applications may be made per year.
- The minimum retreatment interval is 90 days.

When using **Sahara** in combination with other diuron-containing products a total of no more than 12 pounds of diuron may be applied per application in high rainfall or dense vegetation areas and a total of 8 pounds of diuron per application in all other areas. No more than two applications of diuron-containing products may be made per year with a minimum of 90 days between treatments.

Sahara controls many annual weeds when applied either preemergence or postemergence and many perennial weeds when applied postemergence (See the **Weeds Controlled** section for a list of susceptible weeds).

Sahara should be mixed 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 should be applied at a minimum of 7 pounds of product per acre. Rates as low as 5 pounds of Sahara per acre may be used, but must be tank mixed with another herbicide (see TANK MIXES section below). For retreatment purposes within the same growing season, Sahara rates less than 7 pounds per acre may be used. DO NOT apply more than a total of 19 pounds per acre in a 12 month period in areas with high rainfall or dense vegetation. A maximum of 12.85 pounds of Sahara per acre may be applied in all other areas.

The length of residual weed control achieved with **Sahara** may be significantly affected by rainfall amounts. To achieve the desired residual control with increasing rainfall amounts, higher rates of **Sahara** should be applied. As a general guideline the **Sahara** rates listed below are recommended for different annual rainfall amounts. Actual use rates will vary depending upon the length of residual control desired, weed pressure and environmental conditions.

Average Annual Rainfall in Inches	Pounds of Sahara
Less than 15 inches	*7-10 pounds of product
Between 15 and 35/inches	8-13 pounds of product
Greater than 35 inches	13-19 pounds of product

^{*} For initial applications **Sahara** may be used at rates as low as 5 to 6 pounds per acre, but must be tank mixed with another herbicide (see **TANK MIXES** section below).

Ensure that spray equipment maintains adequate agitation to keep **Sahara** suspended in spray mixture.

Postemergence Applications: Always use a spray adjuvant (see ADJUVANTS 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 may be tank mixed with products such as Roundup® or Finale® herbicides (see TANK MIXES section of this label for other products and specific recommendations).

Spot Treatments and "Crack and Crevice" Treatments:

Sahara may be used as an initial or follow-up treatment to control escapes or weed encroachment in a bareground situation including cracks and crevices in paved surfaces such as roadways, runways and parking areas. To prepare the spray solution, thoroughly mix in each gallon of water at least 0.5 to 1 pound of Sahara plus an adjuvant. DO NOT exceed the maximum use rate per acre for the area being treated. For increased burndown, include Roundup, 6 Sinale, or similar products (see TANK MIXES section of this label for other products and specific recommendations).

TANK MIXES

Sahara may be tank mixed with Roundup, Sahara may be tank mixed with Roundup, Sahara MSMA, Sahara (Diuron), Oust®, Garlon®, Finale, MSMA, Sahara MSM

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

FOR CONTROL OF UNDESIRABLE WEEDS UNDER PAVED SURFACES

Sahara can be used under asphalt, pond liners and other paved areas, **ONLY** in industrial sites or where the pavement has a suitable barrier along the perimeter that prevents encroachment of roots of desirable plants.

Sahara should be used only where the area to be treated has been prepared according to good construction practices. If rhizomes, stolons, tubers or other vegetative plant parts are present in the site, they should be removed by

scalping with a grader blade to a depth sufficient to ensure their complete removal.

IMPORTANT: Paving should follow **Sahara® DG herbicide** applications as soon as possible. **DO NOT** apply where the chemical may contact the roots of desirable trees or other plants.

This product is not recommended for use under pavement on residential properties, such as driveways or parking lots, nor is it recommended for use in recreational areas, such as under bike or jogging paths, golf cart paths, or tennis courts, or where landscape plantings could be anticipated.

Injury or death of desirable plants may result if this product is applied where roots are present or where they may extend into the treated area. Roots of trees and shrubs may extend a considerable distance beyond the branch extremities or the so-called drip line.

APPLICATION DIRECTIONS FOR USE UNDER PAVED SURFACES

Applications should be made to the soil surface only when final grade is established. **DO NOT** move soil following **Sahara** application.

Apply **Sahara** in sufficient water (at least 100 gal/acre) to ensure thorough and uniform wetting of the soil surface, including the shoulder areas. Add **Sahara** at a rate of 19 pounds of product per acre to clean water in the spray tank during the filling operation. Agitate before spraying.

If the soil is not moist prior to treatment, incorporation of **Sahara** is needed for herbicide activation. **Sahara** can be incorporated into the soil to a depth of 4 to 6 inches using a rototiller or disc. Rainfall or irrigation of 1 inch will also provide uniform incorporation. **DO NOT** allow treated soil to wash or move into untreated areas.

ADJUVANTS

Postemergence applications of Sahara require a spray adjuvant.

Nonionic Surfactants: Use a nonionic surfactant at the rate 0.25% v/v or higher (see manufacturer's label) of the spray solution (0.25% v/v is equivalent to 1 quart in 100 gallons). For best results, select a nonionic surfactant with a HLB (hydrophilic to lipophilic balance) ratio between 12 and 17 and having at least 70% surfactant in the formulated product (alcohols, fatty acids, oils, ethylene glycol or diethylene glycol should not be considered as surfactants to meet the above requirements).

Methylated Seed Oils or Vegetable Oil Concentrates: Instead of a surfactant, a methylated seed oil or vegetable-based seed oil concentrate may be used at the rate of 1.5 to 2 pints per acre. When using spray volumes greater than 30 gallons per acre, methylated seed oil or vegetable-based seed oil concentrates should be mixed at a rate of 1% of the total spray volume or, alternatively, use a nonionic surfactant, as described above. Research indicates that these oils may aid in **Sahara** deposition and uptake by plants under moisture or temperature stress. Methylated

seed oils are the adjuvant of choice and will increase control of perennial weeds.

Silicone-Based Surfactants: See manufacturer's label for specific rate recommendations. Silicone-based surfactants may reduce the surface tension of the spray droplets allowing greater spreading on the leaf surface as compared to conventional nonionic surfactants. However, some silicone-based surfactants may dry too quickly, limiting herbicide uptake.

Fertilizer/Surfactant Blends: Nitrogen-based liquid fertilizers, such as 28%N, 32%N, 10-34-0, or ammonium sulfate, may be added at the rate of 2 to 3 pints per acre in combination with the recommended rate of nonionic surfactant, methylated seed oil or vegetable/seed oil concentrate. The use of fertilizers in a tank mix without a nonionic surfactant, methylated seed oil or vegetable/seed oil concentrate is not recommended.

WEEDS CONTROLLED BY SAHARA

Sahara 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 general, annual weeds may be controlled by preemergence or postemergence applications of Sahara. For established biennials and perennials, postemergence applications of Sahara are recommended. Refer to the APPLICATION INSTRUCTIONS section for use rate recommendations. Sahara should be used only in accordance with the recommendations on this label.

Resistant Biotypes: Naturally occurring biotypes (a plant within a given species that has a slightly different but distinct genetic makeup from other plants of the same species) of some weeds listed on this label (pigweed, kochia and Russian thistle) may not be effectively controlled by this and/or other herbicides (Oust®) with the ALS/AHAS enzyme inhibiting mode of action. If naturally occurring ALS/AHAS resistant biotypes are present in an area, Sahara should be tank mixed or applied secuentially with an appropriate registered herbicide having a different mode of action to ensure control.

WEEDS CONTROLLED

GRASSES

COMMON NAME	SPECIES	GROWTH HABIT ²
Annual bluegrass	(Poa annua)	Α
Annual ryegrass	(Lolium multiflorum)	А
Annual sweet vernalgrass	(Anthoxanthum odoratum)	A
Bahiagrass ⁷	(Paspalum notatum)	Ρ.
Barnyardgrass	(Echinochloa crusgalli)	Α
Beardgrass	(Andropogon spp.).	Р
Bermudagrass ^{7, 8, 9}	(Cynodon dactylon)	Р
Big bluestem ⁷	(Andropogon gerardii)	· P
Broadleaf signalgrass	(Brachiaria platyphylla)	Α
Canada bluegrass	(Poa compressa)	Р
Cattail	(Typha spp.)	Р

COMMON NAME	SPECIES	GROWTH HABIT ²
Cheat	(Bromus secalinus)	Α
Cogongrass	(Imperata cylindrica)	Р
Crabgrass	(Digitaria spp.)	Α
Dallisgrass ⁷	(Paspalum dilatatum)	Р
Downy brome	(Bromus tectorum)	Α
Fall panicum	(Panicum dichotomiflorum)	Α
Feathertop	(Pennisetum villosum)	Р
Fescue	(Festuca spp.)	A/P
Foxtail	(Setaria spp.)	Α
Goosegrass	(Eleusine indica)	· A
Guineagrass	(Panicum maximum)	Р
Italian ryegrass	(Lolium multiflorum)	А
Johnsongrass	(Sorghum halepense)	Ρ.
Kentucky bluegrass	(Poa pratensis)	·P
Kyllinga	(Cyperus brevifolius)	Α .
Lovegrass	(Eragrostis spp.)	A/P
Maidencane	(Arundinaria amabilis)	ЪР.
Orchardgrass	(Dactylis glomerata)	P
Paragrass	(Brachiaria mutica)	Р
Peppergrass	(Lepidium virginicum)	Α.
Phragmites	(Phragmites australis)	Р
Prairie cordgrass	(Spartina pectinata)	Р
Prairie threeawn	(Aristida oligantha)	Р
Quackgrass	(Agropyron repens)	Р
Rattail fescue	(Vulpia myuros)	Α
Reed canarygrass	(Phalaris arundinacea)	Р
Ricegrass	(Oryzopsis hymenoides)	А
Saltgrass ^{7, 8, 9}	(Distichlis stricta)	Р
Sand dropseed ⁷	(Sporobolus cryptandrus)	Р
Sandbur	(Cenchrus spp.)	А
Smooth brome	(Bromus inermis)	Р
Sprangletop ^{6,7}	(Leptochloa spp.)	А
Timothy	(Phleum pratense)	Р
Torpedograss	(Panicum repens)	Р
Vaseygrass	(Paspalum urvillei)	Р
Velvetgrass .	(Holcus lanatus)	Α.
Wild barley	(Hordeum spp.)	Α
Wild oats	(Avena fatua)	Α
Wirestem muhly	(Muhlenbergia frondosa)	Р
Witchgrass	(Panicum capillare)	A

BROADLEAF WEEDS

COMMON NAME	SPECIES	GROWTH HABIT ²
Arrowwood	(Pluchea sericea)	A
Ageratum	(Asteraceae houstonianum)	Р
Broom snakeweed ³	(Gutierrezia sarothrae)	Р
Bull thistle	(Cirsium vulgare)	В
Burdock	(Arctium spp.)	В
Canada thistle ⁷	(Cirsium arvense)	Р
Carolina geranium	(Geranium carolinianum)	А
Carpetweed	(Mollugo verticillata)	А
Clover	(Trifolium spp.)	A/P
Cocklebur	(Xanthium strumarium)	Α

BROADLEAF WEEDS (continued)

COMMON NAME	SPECIES	GROWTH HABIT ²
Common chickweed	(Stellaria media)	Ą
Common ragweed	(Ambrosia artemisiifolia)	A
Corn spurry	(Spergula arvensis)	P
Dandelion .	(Taraxacum officinale)	Р
Dayflower	(Commelina spp.)	A/P
Desert camelthorn	(Alhagi pseudalhagi)	Р
Diffuse knapweed	(Centaurea diffusa)	A
Dock	(Rumex spp.)	P
Dogfennel	(Eupatorium capillifolium)	A
Filaree	(Erodium spp.)	A
Fleabane	(Erigeron spp.)	Α
Giant ragweed ⁷	(Ambrosia trifida)	A
Goldenrod	(Solidago spp.)	Р
Grey rabbitbrush	(Chrysothamnus nauseosus)	P
Gromwell	(Lithospermum spp.)	Α
Groundcherry	(Physalis spp.)	A/P
Hawksbeard	(Crepis spp.)	A
Hoary vervain	(Verbena stricta)	P'
Horsenettle	(Solanum carolinense)	P
Horseweed	(Conyza canadensis)	A
Indian mustard	(Brassica juncea)	A
Japanese bamboo	(Polygonum cuspidatum)	- P
Knawel	(Scleranthus annuus)	A
Kochia ³	(Kochia scoparia)	A
Lambsquarters	(Chenopodium album)	A
Lespedeza	(Lespedeza spp.)	P
Little mallow	(Malva parviflora)	В .
Marigold	(Tagetes spp.)	P
Milkweed	(Asclepias spp.)	Р
Miners lettuce	(Montia perfoliata)	A :
Morningglory	(Ipomoea spp.)	A/P
Mullein	(Verbascum spp.)	B
Nettleleaf goosefoot	(Chenopodium murale)	
Oxeye daisy	(Chrysanthemum	Pynce
Pennycress	(Thlaspi spp.)	Α
Pepperweed	(Lepidium spp.)	A
Pigweed ⁶	(Amaranthus spp.)	Α
Pineapple weed	(Matricaria matricarioides)	P
Plantain	(Plantago spp.)	Р
Pokeweed	(Phytolacca americana)	P
Prickly sida	(Sida spinosa)	A
Primrose	(Oenothera kunthiana)	P
Puncturevine	(Tribulus terrestris)	A
Purple loosestrife ³	(Lythrum salicaria)	P .
Purslane .	(Portulaca spp.)	A
Ragweed	(Ambrosia spp.)	A .
Rush skeletonweed ³	(Chondrilla juncea)	В
Russian knapweed	(Centaurea repens)	
Russian thistle ³	(Salsola kali)	' A
Saltbush	(Atriplex spp.)	
Sesbania	(Sesbania spp.)	
Sicklepod	(Cassia obtusifolia)	
Silverleaf nightshade	(Solanum elaeagnifolium)	<u>^</u>
S Or our rings from Lado	125 and 11 Goody monary	<u> </u>

BROADLEAF WEEDS (continued)

COMMON NAME	SPECIES	GROWTH HABIT ²
Shepherd's purse	(Capsella bursa-pastoris)	А
Smartweed	(Polygonum spp.)	A/P
Sorrell	(Rumex spp.)	Р.
Sowthistle	(Sonchus spp.)	Α .
Speedwell	(Veronica spp.)	Α
Stinging nettle ³	(Urtica dioica)	Ρ.
Sunflower	(Helianthus spp.)	Α
Sweet clover	(Melilotus spp.)	A/B
Tansymustard	(Descurainia pinnata)	А
Texas thistle	(Cirsium texanum)	Р
Velvetleaf	(Abutilon theophrasti)	Α
Western ragweed	(Ambrosia psilostachya)	Р.
Wild buckwheat	(Polygonum convolvulus)	Α
Wild carrot	(Daucus carota) ·	B`⁻
Wild lettuce	(Lactuca spp.)	A/B
Wild parsnip	(Pastinaca sativa)	В
Wild radish	(Raphanus raphanistrum)	В .
Wild turnip	(Brassica campestris)	В
Woollyleaf bursage	(Franseria tomentosa)	Р
Yellow starthistle	(Centaurea solstitialis)	A
Yellow woodsorrel	(Oxalis stricta)	Р

VINES AND BRAMBLES

COMMON NAME	SPECIES	GROWTH HABIT ²
Blackberry ⁴	(Rubus spp.)	Р
Dewberry⁴	(Rubus spp.)	Р
Field bindweed	(Convolvulus arvensis)	Р
Greenbriar	(Smilax spp.)	Р .
Hedge bindweed	(Calystegia sequium)	Α
Honeysuckle	(Lonicera spp.)	Р
Kudzu ⁵	(Pueraria lobata)	Р
Morningglory	(Ipomoea spp.)	A/P
Poison ivy	(Rhus radicans)	P
Redvine	(Brunnichia cirrhosa)	Р
Trumpetcreeper ⁷	(Campsis radicans)	P
Virginia creeper ⁷	(Parthenocissus quinquefolia) P
Wild buckwheat	(Polygonum convolvulus)	Р
Wild grape	(Vitis spp.)	· P
Wild rose	(Rosa spp.)	Р

BRUSH SPECIES

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^e herbicide for preemergence control and/or a postemergence application of a labeled herbicide may be required.
- ⁷ Require a minimum of 12.85 pounds **Sahara** per acre.
- ⁸ For best results tank mix with **Oust® herbicide**.
- ⁹ Control of established stands may require repeat applications.

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The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

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