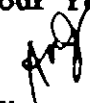


BEST AVAILABLE COPY

- e. Under "Pesticide Disposal: the proper statements are "Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance."
 - f. Under "Directions For Use", add "Note to user: Wear long sleeve shirt, long pants and gloves while mixing, loading and applying this product. This product may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin areas. Persons having allergic reaction should contact a physician."
 - g. Under Directions For Use, add "Note to user: Do not rotate to crops other than those listed on labels within 12 months of the last treatment. After 12 months from last application, leafy vegetables (i.e., spinach, lettuce, kale, etc.) may also be rotated."
 - h. Under the heading of Hazards to Humans and Domestic Animals, the words "Skin Sensitizer" must be added to the precautionary statements.
 - i. Under the heading of First aid, add: "Note to Physician: Persons having an allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.


 Henry M. Jacoby
 Product Manager (21)
 Fungicide-Herbicide Branch
 Registration Division (TS-767)

Enclosure

Rates differ from BRAVO[®] 500 AGRICULTURAL FUNGICIDE

PROPOSED LABEL

ACCEPTED
with COMMENTS
to EPA Letter Dated:

Net Contents

Logo

APR 23 1985

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
50534-159

BRAVO[®] S

Agricultural Fungicide/Miticide with Adjuvants

Contains 2.96 Pounds Sulfur and
2.08 Pounds Chlorothalonil Per Gallon

BEST AVAILABLE COPY

Active Ingredients:

Sulfur	27.3%
Chlorothalonil (tetrachloroisophthalonitrile)*	19.1%

Inert Ingredients: 53.6%

Total: 100.00%

*Covered under U.S. Patent No. 3,290,353, No. 3,331,735,
No. 3,948,636 and No. 4,061,770

KEEP OUT OF REACH OF CHILDREN

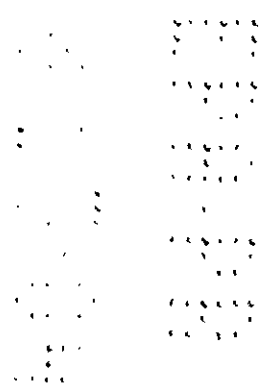
CAUTION

See side panel for additional precautionary statements

SDS Biotech Corporation
7528 Auburn Road
Painesville, Ohio 44077

EPA Reg. No. 50534-

EPA Est. No. 50534-TX-01



4813

A BROAD SPECTRUM AGRICULTURAL FUNGICIDE

Read entire label carefully and use only as directed.

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GENERAL INFORMATION

BRAVO S is an excellent fungicide combination when used according to label directions for control of a broad spectrum of plant diseases.

BRAVO S can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control. Do not combine **BRAVO S** in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use.

The sulfur in **BRAVO S** may cause injury to plants if used improperly or under unfavorable weather conditions. During periods of high temperature sulfur may burn foliage. Do not make **BRAVO S** applications at such times.

Note: Sulfur will cause severe fruit and leaf injury to sulfur sensitive crops. Do not apply or allow to drift to apricots, d'Anjou and Comice pears, cranberries, cucurbits (cucumbers, cantaloupes, melons, squash), filberts, spinach, tung trees, walnuts, or other sensitive plants.

**DO NOT USE WITHIN FOUR (4) WEEKS OF AN OIL SPRAYING.
SULFUR IS HIGHLY CORROSIVE AND EQUIPMENT SHOULD BE CLEANED
THOROUGHLY AFTER EACH DAY'S SPRAYING**

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes eye and skin irritation.

Do not get in eyes, on skin or on clothing. Wear goggles or eye shield when handling this product. Harmful if swallowed. Avoid breathing spray mist. May cause irritation of nose, throat, or skin. Do not store near feed or foodstuffs.

IF SWALLOWED: Give one or two glasses of water and induce vomiting by touching finger to the back of throat.

IF ON SKIN: Wash thoroughly with soap and water.

IF IN EYES: Immediately flush eyes with plenty of water for 15 minutes. Call a physician.

May produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin area. Persons having allergic reaction should contact a physician. Affected persons respond to treatment with antihistamines or steroid creams and/or systemic steroids.

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

ENVIRONMENTAL HAZARDS

This Pesticide is Toxic to Fish. Do not apply directly to water or wetlands. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

Apply only to areas specified on label.

DIRECTIONS FOR USE

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

Reentry: Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Oral and written warnings must include the following information: "CAUTION: Area treated with Bravo S on (date of application). Do not enter without appropriate protective clothing until the sprays have dried. In case of accidental exposure, wash exposed area with plenty of water and get medical attention. For further information see 'Precautionary Statements' on the label."

Note: Slowly invert container several times to assure uniform mixture.

Pour recommended amount in partially filled spray tank. Keep agitator running during filling and spraying operation. DO NOT ALLOW MIXTURE TO STAND. Failure to maintain agitation will cause the sulfur in BRAVO S to settle and may necessitate manual stirring to redisperse.

Dosage rates on this label indicate pints of BRAVO S per acre, unless otherwise stated. Under conditions favoring disease development the high rate specified and shortest application interval should be used except as otherwise provided in this label. Applications should be made in sufficient water to obtain adequate coverage of foliage. Gallonage to be used will vary with crop and amount of plant growth. Spray volume will usually range from 20 to 150 gallons (approximately 80 to 600 liters) per acre for dilute sprays and 5 to 10 gallons (approximately 20 to 40 liters) per acre for concentrate ground sprays and aircraft applications. Either ground or aircraft methods of application may be employed unless specific directions are given for a crop. See application and calibration instructions below.

APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION

- A. **Center Pivot and Traveling Gun Irrigation Equipment.**
Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank of injection equipment with water. Operate system for one complete circle for center pivot or one complete run for traveling gun equipment, measuring time required, amount of water injected, and acreage contained in circle or run. Mix recommended amount of BRAVO S for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until BRAVO S has been cleared from last sprinkler head.
- B. **Solid Set and Portable (Wheel Move) Irrigation Equipment.**
Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of BRAVO S for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. BRAVO S can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until BRAVO S has been cleared from last sprinkler head.

Chemical injection pumps and water pumps must have interlocking controls to insure simultaneous shutoff.

Do not operate irrigation system without safety valves or other devices to prevent back-siphoning of BRAVO S into water source. Irrigation water treated with BRAVO S should be maintained on the treated area until the water is absorbed by the soil. Tank containing BRAVO S should be connected to the discharge side of irrigation pump or other pressurized equipment attached to irrigation line.

RECOMMENDATIONS

When growing crops for processing, consult the processor before applying Bravo S.

<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>
Bean (Snap)	Rust	4 to 8 pts	Use in sufficient water to obtain adequate coverage. Begin applications during early bloom stage or when disease first threatens and repeat at weekly intervals or as necessary to maintain control. Do not apply within 7 days of harvest. Do not graze treated areas or feed treated plant parts to livestock.
	Botrytis blight (gray mold) Powdery mildew Red spider mites	8 pts	
Cabbage, Cauliflower, Broccoli, Brussels Sprouts	Alternaria leaf spot Downy mildew	4-1/2 pts	Use in sufficient water to obtain adequate coverage. Begin applications after transplants are set in field, or shortly after emergence of field-seeded crop, or when conditions favor disease development. Repeat at 7 to 10 day intervals or as necessary to maintain control.
	Ring spot (California only)	5-1/2 pts	
	Powdery mildew Red spider Mites	5-1/2 pts	Use in 8 gallons of water by air. Apply at first sign of infection and repeat at 3 week intervals.

Peanut	Early leaf spot (Cercospora)	3 to 4-1/4 pts	Use in sufficient water to obtain adequate coverage. Start application when disease first appears and repeat at 10 to 14 day intervals or as necessary to maintain control. Under severe disease conditions, use the 4-1/4 pints per acre rate at 10 day intervals.
	Late leaf spot (Cercosporidium)		
	Rust, Web blotch	4-1/4 pts	Do not apply within 14 days of harvest. Do not allow livestock to graze treated areas. Do not feed hay or threshings from treated fields to livestock.
Potato	Early blight, Late blight, Botrytis vine rot (Botrytis spp)	3 to 4-1/4 pts	Use in sufficient water to obtain adequate coverage. Begin applications when plants are 6 to 8 inches high or when disease threatens, and continue at 7 to 10 day intervals or as needed to maintain disease control. Under severe disease conditions, use 4-1/4 pints per acre on a 7 day schedule.
	Early blight Late blight, (Dryland culture only)	2-1/4 to 4-1/4 pts	
		Powdery mildew	4-1/4 pts

Tomato

Early blight, 4-1/2
Late blight, to
Gray leaf spot, 5-1/2
Gray leaf mold, pts
Septoria
leaf spot

Use in sufficient water to obtain adequate coverage. Begin applications when disease threatens and repeat at 7 to 10 day intervals. Under moderate to severe disease conditions, use the highest rate specified and shorten spray interval.

Anthracnose 5-1/2
to
8-1/2
pts

Rhizoctonia 8-1/2 pts
fruit rot,
Botrytis
gray mold,
Tomato russett
mite

TREE AND ORCHARD CROPS

Apply BRAVO S in sufficient water with spray equipment properly calibrated to obtain uniform coverage of tree canopy. Application through ground equipment is recommended. When concentrate sprays are used or when treating non-bearing or immature trees, the lower rate of BRAVO S listed may be used. The following spray volumes are recommended as gallons of spray per acre:

CROP	SPRAY VOLUME (Gallons per Acre)	
	DILUTE	CONCENTRATE
Peach, Nectarine, Tart Cherry, Plum, Prune	300	50 to 150
Sweet Cherry	400	65 to 200

<u>CROP</u>	<u>DISEASES</u>	<u>BRAVO S RATE PER</u>		<u>APPLICATION DIRECTIONS</u>
		<u>ACRE</u>	<u>100 GAL*</u>	
Peach, Nectarine, Cherry, Plum, Prune	Leaf curl, Coryneum blight (shothole) on Peach, Nectarine	9 to 12 pts	3 to 4 pts	For best control of both diseases apply at leaf fall in late autumn, using sufficient water and proper sprayer calibration to obtain uniform coverage. When conditions favor high disease levels use the high rate of application and apply once or twice more in mid to late winter before budswell. If the leaf fall application is not practical, application of BRAVO S for control of leaf curl may be made at any time prior to budswell the following spring. Where Coryneum blight (shothole) occurs, also apply at budbreak to protect newly emerging leaves and at shuck split to prevent fruit infections.

Brown rot blossom blight, Powdery mildew on peaches, nectarines, Scab on peaches, nectarines	<u>Small Trees</u>		Use 12 to 16 pints per acre on trees taller than 20 ft. and 9 to 12 pints per acre on smaller trees. Make one application at popcorn (pink, red or early white bud) and a second application at full bloom. If weather conditions favor disease development, make an additional application at petal fall.
	9	3	
to	to		
12 pts	4 pts		
	<u>Large Trees</u>		
	12	4	
	to	to	
	16 pts	6 pts	

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Cherry 9 3
leafspot; to
Peach, 12 pts 4 pts
Nectarine,
Scab

In addition to the bloom applications listed above, make one application at shuck-split. Do not apply BRAVO S after shuck-split and before harvest. If additional disease control is needed before harvest, use another registered fungicide. For control of cherry leafspot after harvest, make one application to foliage within 7 days after fruit is removed. In orchards with a history of high leafspot incidence, make a second application 10-14 days later.

*Volumetric rates to be used only with full dilute spray volume specified on this label for tree and orchard crops.

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STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Storage: Store in a cool place. Protect from excessive heat. If frozen may generally be restored by thorough mixing after thawing. Repeated freezing-thawing cycles may impair utility.

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: Do not reuse empty container. Triple rinse (or equivalent). 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.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

SDS Biotech Corporation
7523 Auburn Road
Painesville, Ohio 44077

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EPA CH 5805 AR 1 42761 MS 1 352 TX 1 477 TX 1
 Superscript used in the first letter of the number

GENERAL INFORMATION

Du Pont "Velpar" Herbicide is a water-soluble powder to be mixed in water and applied as a spray on non-cropland areas. It is non-volatile, non-flammable and non-corrosive to equipment.

"Velpar" is an effective general herbicide providing both contact and residual control of many annual and biennial weeds, woody plants and, except for johnsongrass, is effective for control of most perennial weeds. It is absorbed through the roots and foliage.

Moisture is required to activate "Velpar" in the soil. Best results are obtained when weeds are young and actively growing, soil is moist at time of application and 1/4 to 1/2 inch of rainfall occurs within 2 weeks after application. Foliar application to weeds is most effective under conditions of high temperature (above 80°F), high humidity and good soil moisture. Application when vegetation is dormant or semi-dormant may not be effective.

Symptoms usually occur within 2 weeks after application under warm humid conditions, while 4 to 6 weeks may be required when weather is cool. The degree of control and duration of effect will vary with the amount of chemical applied, rainfall, temperature, weed species, soil texture and other conditions.

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 the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. 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.**

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Du Pont "Velpar" 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 use of this product in any manner not specifically recommended by Du Pont. User assumes all risk associated with such non-recommended use.

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for workers, crops treated with this product, consult your State Department of Agriculture for reentry information.

Written or oral warnings must be given to workers who are expected to be in the treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Warnings must include the following information: "WARNING: Area treated with Velpar on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of contact, flush skin or eyes with plenty of water; for eyes, get medical attention."

HOW TO APPLY

Apply "Velpar" as a spray just before or soon after weed emergence. Before spraying, calibrate equipment to determine the quantity of water necessary to uniformly and thoroughly cover the vegetation and soil in a measured area to be treated. Make sure the volume of water is sufficient to completely dissolve the "Velpar" using the Water Temperature/Solubility Table as a guide. Use of concentrations greater than shown in the Water Temperature/Solubility Table may result in nozzle plugging and uneven distribution.

Water Temperature/Solubility Table	
Water Temperature Degrees F.	Solubility Max. Lbs. "Velpar" per 100 Gals.
75	23
70	20
65	18
60	16
55	14
50	13
40	12

Add the proper amount of "Velpar" into a spray tank filled with the amount of water to be used and dissolve using sufficient agitation to prevent the powder from settling. Continue agitation for approximately 10 minutes or until the powder is dissolved. Use a fixed-boom sprayer properly calibrated to a constant speed and rate of delivery. For application with a hand-gun sprayer, use sufficient water (50 to 200 gals. per acre) for thorough coverage. For treating small areas, a tank type hand sprayer or sprinkling can may be used. A surfactant such as Du Pont Surfactant WK may be added at the rate of 1 quart per 100 gals. of spray to improve wetting and/or contact activity.

GENERAL WEED CONTROL—NON-CROPLAND AREAS

Railroad, Highway, Utility and Pipeline Right-of-Ways, Petroleum Tank Farms, Storage Areas, Industrial Plant Sites, Drainage Ditch Banks and other similar areas.

Use the higher levels of the recommended dosage ranges under the following conditions: on hard to kill species, on fine textured soils (clay, clay loam), on soils containing more than 5% organic matter or carbon, and, on coarse-textured soils (sand, loamy sand, gravelly soils) where rainfall exceeds 40 inches per year. Use the lower levels of the dosage range if the growing season is short.

* Continued from Back Panel

Apply 6 to 12 lbs. per acre on many annual, biennial and perennial weeds including bahiagrass*, bermudagrass*, sedge, camphorweed, Canada clovers, dewberry, dog fennel, foxtail, guineagrass, heath tana, mare's tail*, natalgrass*, ragweed, smutgrass*, grass, wild blackberry* and

For short-term control (up to 2 weeks), apply 2 to 5 lbs. per acre also providing residual control of many annual, biennial and perennial weeds including barnyardgrass, birdweed, grass, buffelgrass*, burdock, crown vetch, curly dock*, dandelion, filaree, fleabane, grass, lespedeza, milkweed*, mugwort, grass, oxalis, paragrass, pigweed, grass, ryegrass, smartweed*, per*, wild oats*, wild parrot*

For woody plant control, apply broadcast spray for control of sumac, willow, hawthorn, and other woody plants. Use 1 to 2 gals. of spray per acre, applied between late winter and early spring.

Notice to Buyer: Purchase and use confer any rights under patent law of the United States.

STORAGE AND DISPOSAL

STORAGE: Store product in original container or in a container clearly labeled with the name of the product. Completely empty the container. Then dispose of the container in accordance with local, state, and federal regulations for disposal of such materials.

* Considered hard to kill