

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (WH-567)
WASHINGTON, D.C. 20460

NOTICE OF PESTICIDE: ☒ REGISTRATION
☐ REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

50534-157

AUG 9 1985

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

Brave 90 DG

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

SDS Biotech Corporation
7528 Auburn Road
P.O. Box 248
Painesville, OH 44077

161 149 753
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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 50534-157."
 - b. Delete "Note to User: This product may produce ..." under the Directions For Use.
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.

BEST AVAILABLE COPY

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

Enclosure

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

8/9/85

SPECIMEN LABEL

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 9 1985

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
50534-152

BRAVO 90DG
Agricultural Fungicide
(90% Water Dispersible Granules)

Active Ingredient:

Chlorothalonil (tetrachloroisophthalonitrile)* . . . 90.0%

Inert Ingredients: 10.0%

Total: 100.0%

*Covered under U.S. Patent No. 3,290,353 and No. 3,331,735

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

See side panel for additional precautionary statements

Precaucion al Usuario: Si usted no lee ingles, no use
este producto hasta que la etiqueta haya sido
explicado ampliamente.

SDS Biotech Corporation
Agricultural Chemicals Business
Painesville, Ohio 44077

EPA Reg. No. 50534-

EPA Est. No.

A BROAD SPECTRUM AGRICULTURAL FUNGICIDE

Read entire label carefully and use only as directed.

GENERAL INFORMATION

BRAVO 90DG is an excellent fungicide when used according to label directions for control of a broad spectrum of plant diseases.

BRAVO 90DG can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control.

Do not combine **BRAVO 90DG** 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 required amount of **BRAVO 90DG** should be added slowly into the spray tank during filling. With concentrate sprays, pre-mix the required amount of **BRAVO 90DG** in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations. Do not use on greenhouse-grown crops.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER

Corrosive, causes severe eye damage. May be a potential skin sensitizer.

Do not get in eyes. Wear goggles or eye shield when handling this product. In case of contact with eyes, flush with plenty of water immediately for 15 minutes. Seek medical attention for eyes immediately. Call physician.

Avoid contact with skin or clothing. Wash exposed areas of skin with soap and warm water after handling or using.

Do not take internally.

Avoid breathing spray mist.

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.

4-2-61

Note to the User: 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.

FIRST AID

Note to Physician: Persons having an allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and marine/estuarine organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. 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.

Note to User: 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.

Note to User: Wear long sleeve shirt, long pants, and gloves while mixing, loading and applying this product.

Dosage rates on this label indicate pounds of BRAVO 90DG per acre, unless otherwise stated. Under conditions favoring disease development the high rate specified and shortest application interval should be used. 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 usually will range from 20 to 150 gallons per acre (200 to 1400 liters per hectare) for dilute sprays and 5 to 10 gallons per acre (50 to 100 liters per hectare) for concentrate ground sprays and aircraft application. Both ground and aircraft methods of application are recommended unless specific directions are given for a crop. Application through sprinkler irrigation systems is recommended for some crops which are specified on the label below. Follow application and calibration instructions.

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 the last application, leafy vegetables (i.e. spinach, lettuce, kale, etc.) may also be rotated.

Reentry: Note to Users: Do not enter treated area to perform hand labor within 24 hours of application unless protective clothing is worn.

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:

"DANGER. Area treated with **BRAVO 90DG** 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."

APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION

A. Center Pivot and Motorized Lateral Move 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 motorized lateral move equipment, measuring time required, amount of water injected, and acreage contained in circle or run. Mix recommended amount of BRAVO 90DG for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Provide constant mechanical agitation in the mix tank to insure that BRAVO 90DG will remain in suspension during the injection cycle. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until BRAVO 90DG 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 90DG 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. Provide constant mechanical agitation in the mix tank to insure that BRAVO 90DG will remain in suspension during the injection cycle. BRAVO 90DG 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 90DG has been cleared from last sprinkler head.

Do not operate irrigation system without safety valves or other devices to prevent back-siphoning of BRAVO 90DG into water source. Irrigation water treated with BRAVO 90DG should be maintained on the treated area until the water is absorbed by the soil. Tank containing BRAVO 90DG should be connected to the discharge side of irrigation pump or other pressurized equipment attached to irrigation line.

<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>
=====			
Bean (Snap)	Rust	1-1/8 to 2-1/4 lb	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)	2-1/4 lb	

Bean (Dry)	Rust, Anthracnose, Downy mildew, Cercospora leafspot (blackeye only)	1-1/8 to 1-3/4 lb	Use in sufficient water to obtain adequate coverage. Begin applications during early bloom stage and repeat at 7 to 10 day intervals. For use only on beans harvested dry with pods removed. Do not apply within 6 weeks before harvest. Do not allow livestock to graze in treated areas or feed treated plant parts to livestock.

Cabbage, Cauliflower, Broccoli, Brussels Sprouts	Alternaria leafspot, Downy mildew	1-1/4 lb	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)	1-1/2 lb	For field-seeded brussels sprouts, begin applications at time of early sprout development or when conditions favor disease development. Repeat at 7 to 10 day intervals or as necessary to maintain control.

<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>
Carrot	Cercospora (early) blight, Alternaria (late) blight	1-1/4 to 1-1/2 lb	Use in sufficient water to obtain adequate coverage. Start applications when disease threatens and repeat at 7 to 10 day intervals or as necessary to maintain control.
			BRAVO 90DG may be applied through sprinkler irrigation equipment. See calibration directions preceding this section.
Celery	Cercospora (early) blight, Septoria (late) blight	7/8 to 1-1/4 lb	Use 7/8 to 1-1/4 lb per acre on a 3 to 5 day spray schedule or 1-3/4 to 2-1/2 lb per acre on a 7 day schedule. Start applications when transplants are set in the field. Apply in sufficient water to obtain adequate coverage. Do not apply within 7 days of harvest.
	Basal stalk rot (Rhizoctonia <u>solani</u>)	1-3/4 to 2-1/2 lb	BRAVO 90DG may be applied through sprinkler irrigation equipment. See calibration directions preceding this section.
	Early blight Late blight	1-1/4 to 1-1/2 lb per 100 gal	For celery seedbeds, apply 125 gallons per acre twice weekly or as needed to maintain control. Start applications shortly after crop emergence. Use the higher rate under severe disease conditions.

<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>
Corn(sweet), Corn grown for seed	Helmintho- sporium	5/8 to	Use in sufficient water to obtain adequate coverage. Begin applications when conditions favor disease development and repeat at 4 to 7 day intervals or as required to maintain control. Under severe disease conditions, use 1-1/4 lb to 1-1/2 lb per acre. Do not apply within 14 days of harvest. Do not apply to sweet corn to be processed. Do not allow livestock to graze in treated fields. Do not ensile treated corn or use as livestock forage.
	leaf blights, Rust	1-1/2 lb	
Cucumber	Target spot, Anthracnose, Downy mildew	1-1/4 to 1-1/2 lb	Use in sufficient water to obtain adequate coverage. Begin applications when plants are in first true leaf stage or when conditions are favorable for disease development. Repeat applications at 7 day intervals. Under severe disease conditions, shorten spray interval.
	Powdery mildew (except southwestern states), Gummy stem blight, Leaf blight, Scab	1-1/2 to 2-1/2 lb	
	Fruit belly rot (<u>Rhizoctonia</u> <u>solani</u>)	7 lb	Use BRAVO 90DG in sufficient water to obtain runoff to soil surface. Make a single application when vines begin to form. BRAVO 90DG may be applied through sprinkler irrigation equipment as directed above.

<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>

Cantaloupe, Huskmelon, Honeydew melon, Watermelon, Squash, Pumpkin	Anthracnose, Downy mildew	1-1/4 to 1-1/2 lb	Use in sufficient water to obtain adequate coverage. Begin applications when plants are in first true leaf stage or when conditions are favorable for disease development. Repeat applications at 7 day intervals. Under severe disease conditions, shorten spray interval.
	Cercospora leaf spot, Gummy stem blight (black rot), Leaf blight, Scab, Powder mildew	1-1/2 to 2-1/2 lb	
			BRAVO 90DG may be applied through sprinkler irrigation equipment. See calibration directions preceding this section.

Grasses Grown for Seed	Stem rust, Leaf rust, Stripe rust, Selenophoma (eyespot)	7/8 to 1-1/8 lb	Use in sufficient water to obtain adequate coverage. Begin applications during stem elongation when conditions favor disease development. Re-apply at flag (top) leaf emergence and at head emergence. Under severe disease conditions, use the 1-1/8 lb per acre rate and repeat applications at 14 day intervals. Do not apply within 14 days of harvest. Do not allow livestock to graze in treated areas or feed treated plant parts to livestock.

<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>
Mint	Rust, Septoria leafspot	1-1/8 lb	Use in sufficient water to obtain adequate coverage. Begin applications when emerging plants are 4-8 inches high. Repeat applications at 7 to 10 day intervals or as necessary to maintain control. Do not apply more than 3 times per season. Do not apply within 80 days of harvest. Do not feed fresh or extracted mint hay from treated fields to livestock. Based on available residue data, use of BRAVO 90DG on mint is restricted to Indiana, Michigan and Wisconsin.
Onion (dry bulb)	Botrytis leaf blight (blast), Purple blotch	1 to 1-3/4 lb	Apply in sufficient water to obtain adequate coverage. Make the first application at first sign of disease or when dew or rain occurs. Repeat at 7 to 10 day intervals for as long as conditions favor disease. Use the high rate and a 7 day schedule of applications when heavy dew or rain persists. Do not apply within 7 days before harvest of dry bulb onions or garlic. Do not apply more than 3 times per season or within 14 days of harvest on green bunching onions, leeks or shallots. If additional disease control is needed before harvest, use another registered fungicide.
Onion (green bunching), Garlic, Leek, Shallot, Onion grown for seed	Botrytis leaf blight (blast), Purple blotch, Downy mildew (Suppression)	1 to 2-1/4 lb	
Parsnip	Alternaria leafspot, Downy mildew, Anthracnose, Botrytis blight (gray mold), Bottom rot (Rhizoctonia)	1 to 1-3/4 lb	Apply in sufficient water to obtain adequate coverage. Make the first application at the first sign of disease or when conditions are favorable for infection. Continue applications on a 7 to 10 day schedule. Do not apply more than 4 times per season or within 10 days of harvest. Do not feed treated plant parts to livestock.

<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>
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Papaya	Alternaria fruit spot, Anthracnose, Stem end rot	1-3/4 to 3-1/4 lb	Apply with ground equipment only, in sufficient water to obtain adequate coverage of fruit and leaves. Begin treatment when conditions favor development of disease and continue treatments at 14 day intervals until weather conditions no longer favor disease development. Do not graze livestock in treated area or feed processing by-products to livestock.
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Passion Fruit (Hawaii only)	Alternaria fruit and leaf spot, (passion fruit brown spot)	1-1/2 lb	Apply with ground equipment in sufficient water to obtain adequate coverage of fruit and leaves. Begin treatment when fruit spots appear (April to July) and continue treatments at 14 day intervals until weather conditions no longer favor disease development. Do not graze in treated area or feed vines or processing by-products to livestock used for food.
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Peanut	Cercospora (early) leafspot, Cercosporidium (late) leafspot	1 to 1-1/4 lb	Apply in sufficient water for adequate coverage when leaf wetness first occurs and before disease symptoms appear, generally 30 to 40 days after planting; repeat at 10 to 14 day intervals. When late leafspot prevails or when rust or web blotch occur, apply 1-1/4 lb per acre at 10 day intervals for the remainder of the season. Do not apply within 14 days of harvest. Do not feed hay or threshings from treated fields to livestock.
	Rust, Web blotch	1-1/4 lb	
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BRAVO 90DG may be applied through sprinkler irrigation equipment. See calibration directions preceding this section.			

<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>
Potato	Early blight, Late blight, Botrytis vine rot (Botrytis spp.)	1 to 1-1/4 lb	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 1-1/4 lb per acre on a 7 day schedule. BRAVO 90DG may be applied through sprinkler irrigation equipment. See calibration directions preceding this section.
	Early blight Late blight, (Dryland culture only)	5/8 to 1-1/4 lb	

<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>

SOYBEAN: Determinate (Southern) Varieties

Anthracnose, Diaporthe pod and stem blight, Frogeye leafspot (<i>Cercospora sojina</i>), Purple seed stain, Cercospora leaf blight (<i>Cercospora kikuchii</i>), Septoria brown spot	Apply in sufficient water to obtain complete coverage, using at least five gallons of water per acre for aerial application. Use the three application program in areas having a history of moderate to severe disease intensity. BRAVO 90DG may be applied through sprinkler irrigation equipment. Follow application and calibration directions preceding this section.
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1-1/8 to 2 lb	<u>Two application program</u> - Make the first application at early pod set (R3 stage, when majority of pods are 1/8 to 3/8 inch in length) and the second at beginning of seed formation (R5) which occurs about 14 days later.
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7/8 to 1-1/2 lb	<u>Three application program</u> - Make the first application at the beginning of flowering (R1), the second at early pod set (R3) and the third at beginning of seed formation (R5). Do not apply BRAVO 90DG within 6 weeks of harvest. Do not feed soybean hay or threshings from treated fields to livestock.
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<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>

SOYBEAN: Determinate (Southern) Varieties

Stem canker (<u>Diaporthe</u> <u>phaseolorum</u> var. <u>caulivora</u>)	7/8 lb	Apply in 10 to 20 gallons of water per acre, as a band treatment directing spray to provide coverage of entire plant. Make one application at emergence of second trifoliate leaves (V2). If conditions favor continued infection, make additional applications at 10 to 14 day intervals. Do not apply more than 3 times per season or within 6 weeks of harvest. Do not feed treated plant parts to livestock or allow grazing in treated fields.
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SOYBEAN: Indeterminate (Northern) Varieties

Anthracnose, Diaporthe pod and stem blight, Frogeye leafspot (<u>Cercospora</u> <u>sojina</u>), Purple seed stain, Cercospora leaf blight (<u>Cercospora</u> <u>kikuchii</u>), Septoria brown spot		Apply in sufficient water to obtain complete coverage, using at least five gallons of water per acre for aerial application. Use the three application program in areas having a history of moderate to severe disease intensity. BRAVO 90DG may be applied through sprinkler irrigation equipment. Follow application and calibration directions preceding this section.
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1-1/8 to 2 lbs	<u>Two application program</u> - Make the first application when largest pods are 1 to 1-1/2 inches in length and make the second application 14 days later. BRAVO 90DG may be co-applied with Benlate ^R 50WP as a tank mix for disease control in determinate (northern) soybeans. Use 7/8 lb of BRAVO 90DG plus 8 ounces of Benlate 50WP per acre. Make the first application when pods near the top of plants are 1/2 to 1 inch in length and a second application 14 days later.
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<u>CROP</u>	<u>DISEASES</u>	<u>RATE PER ACRE</u>	<u>APPLICATION DIRECTIONS</u>
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SOYBEAN: Indeterminate (Northern) v. varieties

7/8 to 1-1/2 lb	Three application program - Make the first application one week after first flowering and continue applications at 14 day intervals.
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Benlate is a registered trademark of E.I. DuPont de Nemours and Co., Inc.

Tomato	FOLIAGE 1 to (Apply every 1-3/4 lb 7-10 days): Early blight, Late blight, Gray leaf spot, Gray leaf mold, Septoria leaf spot	Apply in sufficient water to obtain adequate coverage. Begin applications when dew or rain occur and disease threatens. Use the highest rate and shortest interval specified when disease conditions are severe. BRAVO 90DG may be combined in the spray tank with a copper fungicide to which is registered to control bacterial diseases.
	<hr/> FRUIT 1-3/4 to (Apply every 2-1/4 lb 7-14 days beginning at fruit set): Anthracnose, Alternaria fruit rot (black mold), Rhizoctonia fruit rot, Botrytis gray mold, Late blight fruit rot	Check the copper manufacturer's label for specific instructions, precautions and limitations prior to mixing with BRAVO 90DG . Do not use with Copper-Count N in concentrated spray suspensions. BRAVO 90DG may be applied through sprinkler irrigation equipment. See calibration directions preceding this section.

*Copper-Count is a registered trademark of Mineral Research & Development Corporation.

TREE AND ORCHARD CROPS

Apply **BRAVO 90DG** in sufficient water and proper calibration to obtain uniform coverage of tree canopy. Application with ground equipment is preferable to aerial application because ground applications generally give better coverage of the tree canopy. If application to stone fruit crops with ground equipment is not feasible, **BRAVO 90DG** may be applied with aircraft using at least 20 gallons of spray per acre. When concentrate sprays are used or when treating non-bearing or immature trees, the lower rate of **BRAVO 90DG** listed may be used. Do not allow livestock to graze in treated areas. The following spray volumes are recommended as gallons of spray per acre:

<u>CROP</u>	<u>SPRAY VOLUME (Gallons per Acre)</u>	
	<u>DILUTE</u>	<u>CONCENTRATE</u>
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Peach, Nectarine, Apricot, Tart Cherry, Plum, Prune	300	20 to 150
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Sweet Cherry	400	20 to 200
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Forest stands	Not used	10 to 20 (aircraft)
Christmas trees	100	10 to 50 (aircraft or ground equipment)
Nursery beds	100	5 to 10 (ground equipment only)
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CROP	DISEASES	BRAVO 90DG RATE PER		APPLICATION DIRECTIONS
		ACRE	100 GAL*	
Peach, Nectarine, Apricot, Cherry, Plum, Prune	Leaf curl, Coryneum blight (shothole)	2-1/2 to 3-1/2 lb	7/8 to 1-1/8 lb	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 90DG 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	2-1/2 to 4-1/2 lb	7/8 to 1-1/8 lb	Use 3-1/2 to 4-1/2 lb per acre on trees taller than 20 ft. and 2-1/2 to 3-1/2 lb 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.

CROP	DISEASES	BRAVO 90DG RATE PER		APPLICATION DIRECTIONS
		ACRE	100 GAL*	
	Cherry leafspot, Peach, Nectarine, Apricot scab	2-1/2 to 4-1/2 lb	7/8 to 1-1/8 lb	In addition to the bloom applications listed above, make one application at shuck-split. Do not apply BRAVO 90DG after shuck-split and before harvest. If additional disease control is needed before harvest, use another registered fungicide. For control of cherry leaf spot after harvest, make one application to foliage within 7 days after fruit is removed. In orchards with a history of high leaf spot incidence, make a second application 10-14 days later.
Conifers	Swiss needlecast	2-1/4 to 4-1/2 lb	2-1/4 to 4-1/2 lb	Single application technique: In Christmas tree plantations or forest stands make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
	Scleroderris canker (pines), Swiss needlecast & Rhabdocline needlecast (Douglas-fir)	1-1/4 to 2-1/4 lb	1-1/8 to 2-1/4 lb	Make the first application in spring when new shoot growth is 1/2 to 2 inches in length. Make additional applications at 3 to 4 week intervals until conditions no longer favor disease development. For use in nursery beds, apply the highest rate specified on a 3 week schedule.
	Sirococcus tip blight	1-3/4 to 3 lb	1-3/4 to 3 lb	
	Rhizosphaera needlecast (spruces), Scirrhia brown spot (pines)	4-1/2 lb	4-1/2 lb	

CROP	DISEASES	BRAVO 90DG RATE PER		APPLICATION DIRECTIONS
		ACRE	100 GAL*	
	Lophodermium needlecast	1-1/8 to 2-1/4 lb	1-1/8 to 2-1/4 lb	North Central and North Eastern States: Begin applications in mid-July to early August before infection occurs. Make additional applications at 3 to 4 week intervals until conditions no longer favor disease development. For use in nursery beds, apply 2-1/4 lb per acre on a 3 week schedule.
	Botrytis seedling blight, Phoma twig blight	1-1/8 to 2-1/4 lb	1-1/8 to 2-1/4 lb	Begin applications in nursery beds when seedlings are 4 inches tall and when cool, moist conditions favor disease development. Make additional applications at 7 to 14 day intervals as long as disease favorable conditions persist.

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

STORAGE AND DISPOSAL

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

Storage: Store in a dry place.

Pesticide Disposal: 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 of 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.

Container Disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by 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
Agricultural Chemicals Business
Painesville, Ohio 44077