

Reg. # 50534-159

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 50534-159	DATE OF ISSUANCE APR 23 1985
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Bravo S	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREГИSTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

SDS F. Dech Corp.  
 7528 Auburn Rd.  
 P. O. Box 348  
 Painesville, OH 44077

160 128212  
 18 1

**BEST AVAILABLE COPY**

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 Re-termed/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 indorsement 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. 50534-159."
  - b. Under Environmental Hazards, the precautionary statements must read as follows: "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."
  - c. The re-entry statement must state the following "Do not enter treated areas for 24 hours."
  - d. Under "Caution: area treated with Bravo S on (date of application)."  
The sentence "Do not enter..." must read "Do not enter for 24 hours."

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

*Henry H. Jacoby*

DATE  
4/23/85

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (720-267)  
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.

34704-240

DATE OF

APR 23 1985

TERM OF ISSUANCE

Conditional

NAME OF PESTICIDE PRODUCT

Clean Crop Maneb Plus

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Platte Chemical Co.  
P.O. Box 667  
Greely, CO 80632

161 127177  
18 1

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 indorsement 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. 34704-240."
  - b. Include precautionary statement, "May cause allergic skin reaction"
  - c. Delete the following crops from your label. These crops are not registered for the product you are repackaging.
    - 1) Bananas
    - 2) Barley, Oats, Rye Wheat
    - 3) Cranberries
    - 4) Papaya

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

*John M. ...*

DATE


4/23/85

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.

The data (dermal sensitization) submitted under your letter of June 7, 1984, were assigned EPA Accession Number 253747.

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

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

**BEST AVAILABLE COPY**

**BEST AVAILABLE COPY**

## PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS:  
AND DOMESTIC ANIMALS**

### CAUTION

MAY IRRITATE EYES, NOSE, THROAT, AND SKIN. MAY BE HARMFUL IF INHALED OR SWALLOWED. Do not get in eyes or on skin. Wear goggles and rubber gloves when handling. Avoid breathing dust. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provision of 30 CFR Part II. Wash thoroughly after using. Remove and wash contaminated clothing before reuse. Keep away from fire and sparks.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated.

### DIRECTIONS FOR USE

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

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

### STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

**STORAGE:** Keep pesticide in original container. Store in cool, dry place. Protect from excessive heat. **IMPORTANT.** Never allow MANEB PLUS to become wet during storage. This may lead to certain chemical changes which will reduce the effectiveness of MANEB PLUS as a fungicide and create vapors which may be flammable. Keep bag closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state or local procedures.

**CONTAINER DISPOSAL:** Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by State and local procedures.

**GENERAL:** Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

### GENERAL INFORMATION

MANEB PLUS, a special formulation of maneb with zinc added, may be used as a spray or dust for the control of many important plant diseases. MANEB PLUS has good adhesive properties on plants and high fungicidal efficiency. **Sprays** — Use MANEB PLUS at a rate of 1½ lbs. per 100 gals. of spray, unless otherwise stated. In case of severe disease outbreaks or when weather conditions favor disease, use 2 lbs. per 100 gals. of spray and shorten interval between applications. Wash required amount of product through the filler screen while tank is filling with water. Add a spreader-sticker spray adjuvant if needed. Apply in sufficient volume of water to provide good coverage with available equip-

ment in either dilute sprays or in concentrate ground or aerial applications. **Note:** MANEB PLUS may be used without any spreader-sticker. It may be necessary to improve the spray coverage on foliage difficult to wet. To smooth out spray deposits on maturing fruit use a suitable pest spreader-sticker.

**Dusts** — MANEB PLUS may be used at concentrations of 6 to 8% (to 6.4% active) unless otherwise stated, by diluting and thoroughly mixing with pyrophyllite or some other neutral diluent. Use dust mixture soon as possible after preparation. Commonly used insecticides may displace an equivalent amount of diluent in preparing the dust mixture.

\*For small quantities, 3 to 4 level teaspoonfuls of MANEB PLUS in 1 gal. of water is equivalent to 1½ to 2 lbs. per 100 gals.

### APPLICATIONS FOR SPECIFIC CROPS:

**Almonds (in California):** Shot-hole (fungus) and brown rot (blossom and twig blight) - Use 1½ to 2 lbs. per 100 gals. (6 to 8 lbs. per acre) at the popcorn, full-bloom and petal-fall stages (omit petal-fall spray if only brown rot is present). Add spreader-sticker.

**Apples:** Scab, cedar apple rust, black rot (fruit and foliage), fly speck, sooty blotch, bitter rot, and white rot (*Botryosphaeria*) - Use 1 to 1½ lbs. per 100 gals. and apply up to 10 pounds product per acre per application (for low volume sprays, accordingly). Add a spreader-sticker. Apply at 7 to 14 day intervals throughout the season. For scab, begin at green tip or delayed dormant stage, for cedar apple rust, at blossom time, for other diseases at first cover. Do not apply within 30 days of harvest. Do not graze livestock in treated areas.

**Apricots (California):** Brown rot and shot-hole (fungus) - Use 2 lbs. at red early bloom and full bloom. On Green rot or Jacket rot - use 2 lbs. at full bloom and petal-fall.

**Bananas:** Sigatoka - Use 2 to 4 lbs. MANEB PLUS per acre in sufficient water to provide adequate coverage. Apply only in aerial applications. Begin when leaves first appear and repeat every two or three weeks or as required.

**Barley, Oats, Rye, Wheat:** Helminthosporium leaf blight and Septoria leaf blight - Use MANEB PLUS at 2 lbs. per acre in 2 to 5 gallons of water (20 to 50 by ground application). Either ground or aerial application may be used. Start applications when plants are in the tillering or jointing stage and repeat at 7 to 10 day intervals. Do not apply more than three applications during the season and do not apply within 26 days of harvest. Do not graze livestock in treated areas within 26 days after application.

**Broccoli:** Downy Mildew - Apply 4 lbs. per acre. As a spray use 100 to 150 gals. per acre. As an 8% dust use 50 lbs. per acre. Apply when disease threatens. Continue as needed at 7 to 14 day intervals. Shorten intervals when disease conditions are severe. Repeat after rains. If applied less than 3 days before harvest, remove residues by trimming and washing.

**Cabbage:** Alternaria leaf spots and Downy Mildew - As a spray use 1½ lbs. per 100 gals. and apply up to 150 gals. per acre. As a dust use up to 40 lbs. per acre. Apply 7 to 10 days after planting. If disease is present, apply earlier. Repeat every 3 to 5 days until plants are set in the field or until field seeded plants are thinning. Do not apply within 7 days of picking.

**Cantaloupes and Squash (Texas):** Downy Mildew - Apply when disease threatens. Repeat as needed every 7 to 10 days. Do not apply within 5 days of harvest.

**Carrots:** Leaf spot diseases - Apply when plants are 6 weeks old and repeat every 7 to 10 days.

**Celery:** Early blight (*Caricospora*) and late blight (*Septoria*) - Apply when plants are established in the field. Repeat every 7 days. If there are severe disease conditions, repeat every 3 to 5 days. Remove residues by stripping, trimming and washing. Do not apply within 14 days of harvest.

# MANEB PLUS Maneb 80 with 2% Zinc

NET: 80.0%
Maneb ethylene: 20.0%
Maneb (ate): 80.0%
Maneb (T): 20.0%
Maneb (a): 20.0%
<b>TOTAL 100.0%</b>

OUT OF REACH OF CHILDREN  
**CAUTION**  
DANGEROUS IF SWALLOWED

INSTRUCTIONS FOR PRACTICAL TREATMENT  
DO NOT GET ON SKIN. Flush with water, for eyes, get medical attention.

See label for Additional Precautionary Statements

EPA REG. NO. 34704-  
EPA EST. NO.

NET WEIGHT 50 LBS.

is a Registered T.M. of United Agri Products, Inc

### NOTICE OF WARRANTY

This product conforms to the chemical description on the label and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It does not eliminate all risks inherently associated with the use of the product, or other unintended consequences may result from factors as weather conditions, presence of other diseases or application, all of which are beyond the control of the manufacturer. The manufacturer is not liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the user. The manufacturer makes no warranties of Merchantability or fitness for any purpose nor any other express or implied warranty except as stated on the label.

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✓ **Cranberries** (Massachusetts, New Jersey, and Wisconsin): Fruit rot - Use 350 to 600 lbs. per acre. Apply at mid bloom and repeat per state spray schedule. Do not apply within 30 days of harvest. Cranberry leaf blight and fruit rot: Washington and Oregon: Apply as a spray, using 2 lbs. of MANEB PLUS per 100 gals. of water, plus a spreader-sticker. Apply at the rate of 350 gals. per acre.

**When to Use:** First application - Immediately after blossoming, second application - July 10 to 20, third application - August 1 to 10, fourth application - August 20 to 25.

**Cucumbers:** Downy Mildew, anthracnose - Apply when disease threatens, repeat every 7 to 10 days. Do not apply more than 3 1/2 lbs. per acre per application. Do not apply within 5 days of harvest.

**Grapes** (in Great Lakes area): Black rot - apply just before bloom just after bloom and 7 to 10 days later.

**Lettuce and Endive:** Downy Mildew - As a spray use up to 150 gals. per acre. As a dust use up to 50 lbs. per acre. Apply when disease is present. Repeat every 7 to 10 days. Do not apply within 7 days of picking. Remove residues from head lettuce by stripping and trimming. Remove residues from leaf lettuce and endive by thorough washings. Do not apply within 10 days of harvest.

**Lima Beans:** Downy Mildew and anthracnose - Use up to 200 gals. spray or 30 lbs. dust per acre. Start applications during early blooming stage, or when disease first appears, repeat at 4 to 7 days intervals as needed. Do not apply within 4 days of harvest. Do not feed treated lima bean forage or hay to livestock.

**Onions:** Downy Mildew, purple blotch (Blight) and blast (Botrytis leaf blight) - apply when first spots appear. Repeat every 7 days as needed. Spray every 10 to 14 days during winter and early spring months when disease incidence is high, and as often as every 7 days during periods of very wet weather.

✓ **Papaya:** Black spot and anthracnose - Apply 2 to 3 lbs. MANEB PLUS per acre, using sufficient water (min. 50 gals. per acre) to provide thorough coverage. Spreader-sticker is recommended. Direct spray to central column of tree to thoroughly cover developing fruit.

**Peaches** (Pacific States) and Nectarines (California): Shot-hole (fungus) and peach leaf curl (California only) apply dormant and popcorn sprays. For brown rot blossom blight apply at pink bud and 25% to 75% full bloom (Add a petal fall spray in Pacific Northwest). For fruit brown rot (California only) apply 2 lbs. per 100 gals. Four weeks before harvest if rot found on green fruit apply earlier and repeat at 7 to 14 day intervals as needed. On peaches if applied within 14 days of harvest remove residue by brushing. Do not apply later than 2 days before harvest. On Nectarines do not apply later than 14 days before harvest.

**Peanuts:** Cercospora leaf spot - For first application use 1 lb. per acre in 12 to 25 gals. For subsequent applications use 1 1/2 lbs. per acre. Do not feed treated peanut hay to livestock.

**Peppers:** Anthracnose, Ripe rot, Cercospora leaf spot (Frog eye spot) use 2 lbs. per 100 gals. For Cercospora leaf spot apply when disease threatens. Repeat as needed at 7 to 10 day intervals. For Anthracnose and ripe rot apply when the first fruits begin to turn red. Repeat as long as disease threatens at 7 to 10 day intervals. Do not apply more than 3 1/2 lbs. per acre per application.

**Potatoes:** Early and late blights. Use 1 to 2 lbs. per acre. Apply when plants are 2 to 8 inches high, repeat every 5 to 10 days for as long as blights threaten.

**Pumpkins:** Downy Mildew, Angular leaf spot: use 1/2 lb. per 100 gals. of water in wet plants thoroughly. Apply repeat every 7 to 10 days as needed.

**Peas:** Cercospora leaf spot (Fusarium), Rust (California) - 1/2 lb. per 100 gals. of water. Spray when first leaves unfold; repeat every 7 to 10 days.

**Spinach:** Downy Mildew, (Late blight) and white rust - 1/2 lb. per 100 gals. of water. Repeat every 4 to 7 days. Do not apply within 7 days of harvest. Remove disease residue by thorough washing. Do not apply within 10 days of harvest.

**Sugar Beets:** Cercospora leaf spots - As a spray use 1/2 lb. per 100 gals. of water. As a dust use 30 to 40 lbs. per acre. Repeat every 7 to 10 days as needed. Do not apply within 30 days of picking.

✓ **Sweet Corn:** Helminthosporium maydis leaf blight - Apply when disease threatens. Repeat every 4 to 7 days. Do not apply within 7 days of harvest. Do not feed treated forage to livestock.

**Tobacco:** Blue Mold, Anthracnose - use 1/2 lb. per 100 gals. of diluted suspension per 100 sq. yards. Spray in the morning or evening. Do not apply when disease is present. Repeat every 7 to 10 days or more often if worked with rain. Continue until disease is controlled.

**Tomatoes:** Early blight, late blight, Septoria leaf spot (Fusarium) and anthracnose - Apply when fruit of first truss is green. Repeat every 7 to 10 days. When weather conditions are favorable frequent applications may be necessary. When used on canning tomatoes use 3 lbs. per acre. Do not apply within 7 days of harvest. Do not use on tender young plants as injury may occur. Do not apply within 5 days of harvest.

**Turf Grasses:** Leaf, stem and stripe rust: Use 2 lbs. per 100 gallons of water or 3 lbs. per 100 gallons. Apply at 7 to 14 days as long as rust threatens. Do not graze or feed clippings to livestock.

**Scierotinia (dollar spot):** Use MANEB PLUS at 6 lbs. per 100 gallons of water to provide adequate coverage. Start applications when disease is first observed and repeat every 7 to 14 days until disease is controlled. Melting out: Use MANEB PLUS at 3 to 4 oz. per 100 gallons of water to provide adequate coverage. Start applications when disease is first observed and repeat every 5 to 10 days until disease threat is past.

**Rhizoctonia (brown patch):** Use MANEB PLUS at 3 lbs. per 100 gallons of water to provide adequate coverage. Start applications when disease is first observed and repeat every 5 to 10 days until disease is controlled.

**Grasses for Seed:** Leaf, stem and stripe rusts. Use 2 lbs. per acre in 50 to 100 gallons of water. Begin applications when rust pustules are noted and repeat every 7 to 10 days until disease is controlled. Do not graze treated areas. Do not feed treated hay to livestock.

**Watermelon:** Downy Mildew, Anthracnose, Cercospora leaf spot - use 1 1/2 to 2 lbs. per 100 gals. of water. Apply when runners form or repeat as needed at 7 to 10 day intervals. Under severe conditions repeat at 3 to 5 days. Do not apply within 5 days of harvest.