

2001/2002

COMMERCIAL

2 kg
25 kg

Bravo[®] W-75
Agricultural Fungicide

DANGER: CORROSIVE TO EYES

KEEP OUT OF REACH OF CHILDREN
READ COMPLETE LABEL BEFORE USING.

GUARANTEE: Chlorothalonil(Tetrachloroisophthalonitrile) 75%
Contains 750 grams Chlorothalonil (Tetrachloroisophthalonitrile) per kg.

REGISTRATION NO. 11099 PEST CONTROL PRODUCTS ACT

Zeneca Agro
140 Research Lane, Research Park

Guelph, ON N1G 4Z3

98/A-1

PRECAUTIONS

WARNING - Causes severe eye damage. Do not get in eyes. Wear goggles or eye shield when handling this product. Do not graze treated areas. Do not feed clippings to livestock. Do not store near feed or foodstuffs. Store in a cool, dry, ventilated place. Protect from excessive heat. 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. Apply this product only as specified on this label.

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 neighbouring areas. **DO NOT** apply directly to water. Keep out of lakes, streams and ponds. **DO NOT** contaminate water by cleaning of equipment or disposal of wastes. **DO NOT** apply where runoff is likely to occur. **DO NOT** apply when weather conditions favour drift from areas being treated.

A buffer zone of 100 metres for aerial applications and 15 metres for ground applications to protect surface water bodies including lakes, streams, ponds or sloughs from drift must be observed. Provincial buffer zones that are greater than the above buffer zones must be observed.

FIRST AID

In case of eye contact, flush eyes with water for 15 minutes, get medical attention immediately. **In case of skin contact**, wash exposed areas of skin with soap and warm water. 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. **In case of inhalation**, remove person to fresh air and get medical attention immediately. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Bravo W-75 may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin areas. Affected persons respond to treatment with antihistamines or steroid creams and/or systemic steroids.

EMERGENCY TELEPHONE NUMBER

All hours, 1-800-327-8633 (FASTMED) **ONLY** for health and environmental information.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site: 1) Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 2) Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of container in accordance with provincial requirements. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill and for clean-up of spills.

PRODUCT INFORMATION

BRAVO W-75 is an excellent fungicide when used according to label directions for control of a broad spectrum of plant diseases. BRAVO W-75 can be used effectively in dilute or concentrate sprays. Thorough uniform coverage is essential for disease control.

DO NOT combine BRAVO W-75 in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible and non-injurious under your conditions of use.

The required amount of BRAVO W-75 should be added slowly into the spray tank during filling. With concentrate sprays, premix the required amount of BRAVO W-75 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.

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use this control product under unsafe conditions.

DIRECTIONS FOR USE

Additional Guidance for Aerial Application

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module*, developed by CAPCO.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type

that will result in fine particles (mist). Do not apply during periods of dead calm or when winds are gusty. Refer to ENVIRONMENTAL PRECAUTIONS for additional details.

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly. Refer to PRECAUTIONS for additional details.

Dosage rates on this label indicate kilograms (Kg) of BRAVO W-75 per hectare, unless otherwise stated. Applications should be made in sufficient water to obtain adequate coverage of foliage. Volume of water to be used will vary with crop and amount of plant growth. Spray volume usually will range from 225-1,600 litres per hectare for dilute sprays and 50-100 litres per hectare for concentrate ground sprays and aircraft applications. Both ground and aircraft methods of application are recommended unless specific directions are given for a crop. For aerial application, use mechanical flaggers only.

Broccoli, Brussels Sprouts, Cabbage, Cauliflower: Alternaria leaf spot, downy mildew - Use 1.8-3.25 kg per hectare in sufficient water to obtain adequate coverage. Begin applications after transplants are set in the field (or shortly after emergence of field seeded crop) or when conditions favour disease development. Repeat applications at 7 - 10 day intervals or as necessary to maintain disease control. DO NOT apply within 7 days of harvest. DO NOT use more than 5 applications per season.

Carrot: Early Blight (*Cercospora*) and late blight (*Alternaria*) - Use 1.75-2.2 kg per hectare in sufficient water to obtain adequate coverage. Start applications when disease threatens and repeat at 7 - 10 day intervals or as necessary to maintain control. DO NOT apply within one day of harvest. DO NOT use more than 7 applications per season.

Celery: Early blight, late blight - Use 1.1 - 1.7 kg per hectare on a 3 - 5 day spray schedule, or use 1.75-2.75 kg per hectare on an 8 - 10 day schedule. Start applications when transplants are set in the field. Apply BRAVO W-75 in sufficient water to obtain adequate coverage. DO NOT apply within 7 days of harvest. For control of early blight and late blight in celery seedbeds, use 1.5 - 2.0 kg BRAVO W-75 per 1,000 litres of water and apply 1,400 litres per hectare twice weekly or as needed to maintain control. Start applications shortly after crop emergence. Use the higher rate under severe disease conditions. DO NOT use more than 9 applications per season.

Cucumber: Anthracnose, powdery mildew, and scab - Use 3.25 kg per hectare. Apply BRAVO W-75 in sufficient water to obtain adequate coverage. Begin applications when plants are in first true leaf stage or when conditions are favourable for disease development. Repeat applications at 7 day intervals. Under severe conditions, shorten spray interval. DO NOT use within 1 day of

harvest. DO NOT use more than 8 applications per season.

Cantaloupe, Muskmelon, Honeydew: Anthracnose, powdery mildew and scab - Use 3.25 kg per hectare. Apply BRAVO W-75 in sufficient water to obtain adequate coverage. Begin applications when plants are in the first true leaf stage or when conditions are favourable for disease development. Repeat applications at 7 day intervals. Under severe disease conditions, shorten spray interval. DO NOT apply within 1 day of harvest. DO NOT use more than 8 applications per season.

Watermelon, Squash, Pumpkin: Anthracnose - Use 2.2 kg per hectare. Scab - Use 3.25 kg per hectare. Apply BRAVO W-75 in sufficient water to obtain adequate coverage. Begin applications when plants are in the first true leaf stage or when conditions are favourable for disease development. Repeat applications at 7 day intervals. Under severe disease conditions, shorten spray interval. DO NOT apply within 1 day of harvest. DO NOT use more than 8 applications per season.

Potato: Late blight - Use 0.8 (800 grams) - 1.7 kg per hectare. Early blight - Use 1.1 - 1.7 kg per hectare. Use sufficient water to obtain adequate spray coverage. Begin applications when plants are 15 - 20 cm high, or when disease threatens. Repeat applications at 7 to 10 day intervals, or as necessary to maintain disease control. Under severe disease conditions, use the higher rates at 7 day intervals. DO NOT apply to potato plants later than 1 day before harvest. DO NOT use more than 12 applications per season.

Tomato: Early blight, late blight, Septoria leaf spot and Anthracnose - Use 1.75-2.75 kg per hectare. Botrytis gray mould - Use 3.25 kg per hectare. Apply in sufficient water to obtain adequate coverage. Begin applications when disease threatens and repeat applications every 8 - 10 days, using the lower rate of BRAVO W-75 per hectare or every 14 days using the higher rate of BRAVO W-75 per hectare. Under severe disease conditions, shorten the spray interval. Do not apply within one day of harvest.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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