

UBG

SUPRA CAPTAN 80 WDG

WATER DISPERSIBLE GRANULES

FUNGICIDE

COMMERCIAL

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

WARNING: Exposure to Captan may produce long term health effects. To minimize exposure, follow the directions outlined on this label.

DANGER-CORROSIVE TO EYES, POTENTIAL SKIN SENSITIZER

GUARANTEE: CAPTAN 80%

REGISTRATION NO. 24613 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1-25 kg

UNITED AGRI PRODUCTS CANADA INC.

789 Donnybrook Drive

Dorchester, Ontario

NOL 1G5

1-800-265-4624

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN. DANGER-CORROSIVE TO EYES, POTENTIAL SKIN SENSITIZER. DO NOT GET IN EYES OR ON CLOTHING.**

Never handle material with bare hands. Wear long-sleeved shirt and long pants, chemical resistant gloves, goggles and NIOSH approved quarter or half mask cartridge respirator (for particulates) during all mixing, loading, application, clean-up and repair activities. Do not breath dust or spray mist. In addition, workers should wear a chemical resistant rain suit during greenhouse application. For aerial mix/load/clean-up and repair activities, wear long-sleeved shirt and long pants, chemical resistant gloves, goggles and NIOSH approved quarter or half mask respirator (for particulates). For aerial applicators (pilots), wear long-sleeved shirt and long pants and, if the cockpit is not equipped with an air filtration mechanism, wear respiratory protection.

DO NOT reenter treated blueberries, caneberries (raspberries and blackberries), and grapes within 72 hours of application. DO NOT reenter ornamentals within 4 days of treatment. DO NOT reenter all other treated areas within 48 hours of application. If reentry into treated areas is required, workers must wear long pants, long-sleeved shirt, chemical resistant gloves, work boots and goggles. No re-entry shall occur in treated greenhouses without an approved respirator unless it has been fully ventilated.

Change contaminated clothing daily and wash thoroughly before re-use. Wash hands, face and arms thoroughly after handling SUPRA CAPTAN 80 WDG and before drinking, eating or smoking. Shower after use or at the end of the work day. Wash clothing and gloves before re-use. Always work out of the wind during mixing and loading operations. Keep unprotected persons out of operating area or vicinity where there may be drift. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at: [www.croplife.ca](http://www.croplife.ca).

## **FIRST AID**

If a known exposure occurs or is suspected, IMMEDIATELY initiate the recommended procedures below. If further treatment is required, contact a Poison Control Centre, a physician, or the nearest hospital. Take container, label or product name and pest control product registration number with you when seeking medical attention.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

**TOXICOLOGICAL INFORMATION:** There is no specific antidote if SUPRA CAPTAN 80 WDG is ingested. Check for possible mucosal damage before performing gastric lavage. If inhaled, observe for onset of pulmonary edema. Treat central nervous system effects symptomatically. This product may cause irreversible eye damage depending upon the amount and duration of exposure. Thoroughly rinsing the eyes immediately following exposure will greatly reduce the risk of permanent eye injury. Repeated dermal exposure to this product may cause an allergic reaction (sensitization) in some individuals. The use of recommended Personal Protective Equipment will greatly reduce the chance of developing an allergic reaction.

**SYMPTOMS OF POISONING:** Ingestion of large quantities may cause vomiting and diarrhea. Treat symptomatically.

#### **EMERGENCY TELEPHONE NUMBER**

All hours, 1-800-561-8273 ONLY for health and environmental information.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not apply directly or indirectly to water. Do not contaminate ponds, lakes, streams or rivers by cleaning of spray equipment or disposal of waste.

**STORAGE:** Store in a cool, dry, ventilated place, away from feed and food. Keep away from heat, fire and sparks.

**DISPOSAL:** Thoroughly empty the contents of the container into the application device. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the 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**

SUPRA CAPTAN 80 WDG is a dry flowable granule formulated to disperse in water and form a spray mixture for the control of certain fungal diseases of fruit, vegetables and ornamental crops. SUPRA CAPTAN 80 WDG is also useful as a soil treatment for the control of certain seed-rots and damping-off diseases. Application can be made by aircraft or ground equipment including concentrate and semi-concentrate equipment.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions of the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

## **DIRECTIONS FOR USE**

### **GENERAL USE PRECAUTIONS**

Observe use limitations given on the label for specific crops. Regulations of Health Canada have established the amounts of agricultural chemicals that are permitted to remain on food crops at time of harvest. To avoid exceeding these residue tolerances, use only the recommended amounts and do not spray nearer to harvest than the number of days indicated for each crop, or not later than the stage indicated. Consult local agricultural authorities for additional information as the timing and number of applications needed will vary with local conditions.

### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that SUPRA CAPTAN 80 WDG Fungicide contains a Group M fungicide. However, as a general principle, it is recommended not to rely exclusively on similar products for pest control. To prolong effectiveness of this product, the following resistance management strategies should be followed.

SUPRA CAPTAN 80 WDG use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and chemical control practices.

If SUPRA CAPTAN 80 WDG appears to be no longer effective for a pest which it previously controlled or suppressed, contact the manufacturer and your local extension specialist or certified crop advisor to determine whether resistance may be developing in the pest.

### **AERIAL APPLICATION PRECAUTIONS**

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.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. 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.

### **Use Precautions**

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage.

Do not apply to any body of water. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed. 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 wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

### **Operator Precautions**

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.

### **Product Specific Precautions**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-265-4624 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following: **Volume:** Apply the recommended rate in a minimum spray volume of 50 litres per hectare.

### **COMPATIBILITY**

SUPRA CAPTAN 80 WDG can be used safely and effectively at recommended rates with most of the commonly used insecticides and fungicides with the exception of oil and strongly alkaline materials including calcium arsenate. Alkaline materials such as spray lime, lime-sulfur and Bordeaux mixture will reduce the fungicidal activity of SUPRA CAPTAN 80 WDG. Do not apply SUPRA CAPTAN 80 WDG in combination with or immediately before or closely following oil sprays. Combinations with solvent formulation of organic phosphates should not be used. The use of spreaders which cause excessive wetting is not advised. Combinations of SUPRA CAPTAN 80 WDG and sulfur should not be used on crops sensitive to sulfur.

When tank mixing SUPRA CAPTAN 80 WDG with other pesticides, **always add SUPRA CAPTAN 80 WDG to the spray tank first** and agitate until fully dispersed and suspended. Then add other products to the spray tank.

### **PLANT SAFETY**

Used at high rates or in drenching sprays, SUPRA CAPTAN 80 WDG may cause a necrotic spotting of tender, immature leaves of certain varieties of apples, peaches, plums, and cherries. This type of injury is most likely to occur in the early cover sprays during long periods of warm, cloudy, humid weather. To avoid hazard of leaf spotting under such conditions, use SUPRA CAPTAN 80 WDG and other spray materials at lowest recommended rates and avoid drenching trees.

### **MIXING DIRECTIONS**

Fill the sprayer tank 1/2 to 3/4 full of clean water. If sprayer is equipped with a screen over the tank opening, remove the screen and add the required amount of SUPRA

CAPTAN 80 WDG directly into the spray water. Add balance of water to fill tank. Keep agitator running during filling, mixing and spraying operations. Do not allow mixture to stand. When tank mixing SUPRA CAPTAN 80 WDG with other pesticides, always add SUPRA CAPTAN 80 WDG to the spray tank first and agitate until fully dispersed and suspended. Then add other products to the spray tank.

## **APPLICATION RATES**

### **FRUIT CROPS**

**APPLE: Primary Scab Infection-** Use 3.75 kg/ha for all sprays beginning at green tip, up to and including second cover. **Secondary Scab Infection-** If primary scab is under control, reduce rate to 1.9 kg/ha in balance of cover sprays. **Sooty Blotch, Fly Speck, Brook's Spot, Bitter Rot, Black Rot -Use 1.9 kg to 3.75 kg/ha. Bull's Eye Rot (Gloeosporium perennans)-** Use 3.75 kg/ha. Apply if rainy periods occur prior to harvest. Consult provincial spray calendar for timing of applications. Do not apply within 7 days of harvest. Early season sprays may cause necrotic spotting to foliage of Red Delicious, Winesap and other sensitive varieties. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**APRICOT: Brown Rot-** Apply 3.75 to 4.5 kg/ha with thorough coverage at pink bud, bloom, shuck-split, shuck-fall, and pre-pick sprays. May be applied up to 2 days before harvest. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**CHERRIES: (Sour, Sweet): Brown Rot, Leaf Spot (Shot Hole)-** Use 3.75 to 4.5 kg/ha in the pre-bloom, bloom, petal fall, shuck, cover sprays, and immediately after harvest. Leaf injury may result to the Schmidt and Emperor Francis varieties of sweet cherry in post-bloom sprays. Consult provincial spray calendar for variations in the spray schedule. May be applied up to 2 days before harvest of sweet cherries. May be applied up to 5 days before harvest of sour cherries. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**PEACH, NECTARINE: Brown Rot, Scab-** Use 3.75 to 4.5 kg/ha. Apply in late pink, full bloom, petal fall, shuck fall and cover sprays. Continue applications through harvest if conditions favour brown rot. May be applied up to 2 days before harvest. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**PEAR: Scab, Sooty Blotch-** Use 3.75 kg/ha. For Scab, apply in the pre-bloom, petal fall and first cover sprays. For Sooty Blotch, apply in the second cover spray and 2 weeks later. Do not use on D'Anjou pears. Do not apply within 7 days of harvest. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**PLUM, PRUNE: Black Knot, Brown Rot-** Use 3.75 to 4.5 kg/ha. For Black Knot, spray in the green tip, pre-bloom and blossom sprays. For Brown Rot, apply in the pre-bloom, shuck and cover sprays. Repeat application at 7 to 14 day intervals as needed to maintain cover. May be applied up to 2 days before harvest. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**GRAPE: Dead Arm (Current Season's Infections) -** Use 1.2 kg/1,000 L water. Apply when new shoots are 1 to 5 centimetres long and again when 10 to 15 centimetres long. **Downy Mildew, Black Rot -** Use 1.2 to 1.5 kg/1,000 L water. Apply just before bloom,

just after bloom and in first cover. For downy mildew, an additional application 2 to 3 weeks later may be needed. Do not apply within 7 days of harvest. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**RASPBERRY: Fruit Rot, Spur Blight-** Use 2.5 kg/ha. Treat when blossoms first appear and then at 7 to 10 day intervals until harvest. If conditions favour fruit rot, continue applications throughout the harvest period. May be applied up to 2 days before harvest. **DO NOT APPLY BY AIR.**

**BLACKBERRY: Fruit Rot -** Use 2.25 kg/ha. Treat when first blossoms open and then at weekly intervals through bloom. If conditions favour fruit rot, continue applications throughout the harvest period. May be applied up to 2 days before harvest. **DO NOT APPLY BY AIR.**

**LOGANBERRY: Cane Spot, Fruit Rot, Leaf Spot, Spur Blight-** Use 1.5 to 2.25 kg in 1,000 litres water per hectare. Treat when first blossoms open and then at weekly intervals through bloom. If conditions favour fruit rot, continue applications throughout the harvest period. May be applied up to 2 days before harvest. **DO NOT APPLY BY AIR.**

**BLUEBERRY: Fruit Rot, Mummy Berry-** Use 2.25 kg in 1,000 litres per hectare. Treat when new growth starts and then at weekly intervals through bloom. If conditions favour fruit rot, continue applications throughout the harvest period. May be applied up to 2 days before harvest. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**STRAWBERRY: Grey Mold Rot, Leaf Spot-** use 2.75 to 4.25 kg in 1,000 litres water per hectare. Make first application when new growth starts in spring before fruit forms. Repeat at weekly intervals. If conditions favour fruit rot, make continuous application through harvest period, treating immediately after picking. May be applied up to 2 days before harvest. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**RHUBARB (IN FORCING SHEDS): Grey Mold Rot-** Use 1.25 to 2 kg in 1,000 litres water. Spray at weekly intervals. May be applied up to 2 days before harvest.

#### **VEGETABLE, ORNAMENTAL CROPS, TOBACCO AND TURF**

**CUCUMBER: Anthracnose, Scab-** Use 2.25 to 4.25 kg per hectare in sufficient water for thorough coverage. Treat at first sign of disease and then at 5 to 7 day intervals. Use 2.25 to 3.25 kg on young plants, 3.25 to 4.25 kg on mature plants. May be applied up to 2 days before harvest. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**TOMATO: Anthracnose, Septoria Leaf Spot-** Use 2.75 to 4.25 kg per hectare in sufficient water for thorough coverage and repeat at 5 to 7 day intervals or as needed to maintain control. Use higher rates on mature plants or for severe infections. May be applied up to 2 days before harvest. May be applied by aircraft or conventional ground equipment. Refer to aerial application precautions.

**TOBACCO (Seedlings, Greenhouse Use): Pythium, Damping off-** Use 156 grams in 200 L of water per 100 square metres. Apply when seedlings are dime-sized. If necessary, repeat 10 to 14 days later.

**TURF (Golf Courses and Sod Farms Only): Brown Patch, Damping-off, Leaf Spot, Melting-Out, Root Rot-** Use 6 kg/ha (60 g per 100 m<sup>2</sup>). Do not apply more than 12

kg/ha per year. Apply in sufficient water for thorough coverage. Apply before infection occurs. Do not apply to home lawns, parks, schools, sports fields and other recreational areas. APPLY BY GROUND ONLY.

**SOIL AND GREENHOUSE BENCH TREATMENT:** Use as a soil treatment for damping-off and fungus root rot diseases of seedlings or transplants of roses (and other shrubs, trees, flowers), lawn seedbeds, and vegetables (beans, peas, celery, crucifers, eggplants, pepper, tomato). Use 1.25 kg per 1,000 litres water and apply at rates of 50 to 85 litres per 100 square metres. Work into the upper 7.5 to 10 centimetres of soil before planting.

**CAMELLIA: Petal Blight-** Use 1.25 kg in 1,000 litres water. Apply to foliage and soil around plants. Treat weekly or bi-weekly before and during flowering season, especially following rain or damp weather. DO NOT APPLY BY AIR.

**CARNATION: Leaf Spot, CHRYSANTHEMUM: Botrytis Flower Blight, Septoria Leaf Spot. ROSE: Black Spot-** Use 1.20 to 1.5 kg in 1,000 litres of water. Apply to give even coverage of upper and lower leaf surface. Repeat at intervals of 7 to 10 days as necessary. DO NOT APPLY BY AIR.

**ASTER, DAHLIA, LILAC, ROSE, TULIP: Botrytis Flower Blight-** Use 1.25 kg in 1,000 litres water. Apply when disease first appears and repeat at intervals of 7 to 10 days as required. DO NOT APPLY BY AIR.

**AZALEA, CARNATION, CHRYSANTHEMUM: Damping-Off, Rot-** Use 3 to 6 grams per litre water. Dip cutting for 20 to 30 minutes. Drain before planting.

**BEGONIA(TUBEROUS), DAFFODIL, DAHLIA, GLADIOLUS, IRIS (Bulbous), NARCISSUS, TULIP: Damping-Off, Bulb Rots-** Use 3.75 to 9.5 kg in 1,000 litres water. Before storage, dip and allow to dry.

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