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2024-01-09

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2021-1874  
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[CONTAINER LABEL]

GROUP	<b>M4</b>	FUNGICIDE
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# CAPTAN 80 WSP

COMMERCIAL

Water Dispersible Granules

AGRICULTURAL FUNGICIDE FOR PLANT DISEASE CONTROL

ACTIVE INGREDIENT: Captan 80%

WARNING – CONTAINS THE ALLERGEN SULFITES

DANGER - CORROSIVE TO EYES

POTENTIAL SKIN SENSITIZER

READ LABEL AND ATTACHED BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO. 33597 PEST CONTROL PRODUCTS ACT

DO NOT SELL WATER-SOLUBLE POUCHES SEPARATELY

For emergency medical help and health/safety inquiries call ProPharma Group at  
1.877.250.9291 (24 hours a day)

For spill, leak or fire call INFOTRAC at 1.800.535.5053 (24 hours a day)

**NET CONTENTS: 250 g – 20 kg (250 g – 1 kg water-soluble pouches)**

ADAMA Agricultural Solutions Canada Ltd.  
300 – 191 Lombard Avenue  
Winnipeg, Manitoba  
Canada R3B 0X2  
1 855-264-6262

## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN.**

CORROSIVE to the eyes. DO NOT get in eyes. MAY IRRITATE the skin. DO NOT get on skin.

Apply only when the potential for drift to areas of human habitation or areas of human activity (houses, cottages, schools and recreational areas) is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

During mixing/loading, application, clean-up and repair, wear a long-sleeved shirt, long pants, chemical-resistant gloves, shoes and socks, goggles and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

Goggles and gloves are not required to be worn inside the cockpit. Respirators are also not required to be worn inside the cockpit as long as it is equipped with an air filtration mechanism.

When applying using groundboom, use a closed cab when handling more than 57 kg ai/day. A closed cab must have both a physical barrier and respiratory protection (i.e. dust/mist filtering and/or vapour/gas purification system).

The closed cab must have a chemical-resistant barrier that totally surrounds the occupant and prevents contact with pesticides outside the cab. Respirators, goggles, and chemical-resistant gloves are not required to be worn inside the closed cab but need to be available for exiting the cab.

When applying using open cab airblast equipment or for overhead spray, also wear chemical-resistant headgear. Chemical-resistant headgear includes Sou'Wester hat, chemical-resistant rain hat or large brimmed waterproof hat and hood with sufficient neck protection.

When applying using a mechanically-pressurized handgun, also wear coveralls over a long-sleeved shirt and long pants. Also, during greenhouse application with this equipment, do not handle more than 0.71 kg ai per person per day. These restrictions are in place to minimize exposure to individual applicators. Application may need to be performed over multiple days or using multiple applicators.

When preparing flower bulb dip solutions and for all related cleaning and repair tasks, workers must also wear chemical-resistant coveralls over long-sleeved shirt, long pants, goggles, and chemical-resistant footwear and socks. When handling treated bulbs and when touching surfaces that have contacted or may have been contaminated by the dipping solution, workers must wear long-sleeved shirt, long pants, goggles, socks and shoes, and chemical-resistant gloves.

DO NOT enter or allow worker entry into treated areas during the restricted entry intervals (REIs) specified on the booklet label.

### **FIRST AID**

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

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

#### **ENVIRONMENTAL PRECAUTIONS**

Toxic to small wild mammals. TOXIC to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE. 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.

#### **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial/territorial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial/territorial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

#### **NOTICE TO USER**

This control product is to be used only in accordance with the directions on 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.

[BOOKLET LABEL]

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**NET CONTENTS: 250 g – 20 kg (250 g – 1 kg water-soluble pouches)**

ADAMA Agricultural Solutions Canada Ltd.

300 – 191 Lombard Avenue

Winnipeg, Manitoba

Canada R3B 0X2

1 855-264-6262

## PRODUCT INFORMATION

**CAPTAN 80 WSP** is a water dispersible granule sealed within individual water-soluble pouches. The pouches and pesticide will dissolve readily in water for use as a spray for the control of certain fungus diseases of fruit, vegetables and ornamental crops. **CAPTAN 80 WSP** is also useful as a soil treatment for the control of certain seed-rots and damping-off diseases.

## PRECAUTIONS

### KEEP OUT OF REACH OF CHILDREN.

CORROSIVE to the eyes. DO NOT get in eyes. MAY IRRITATE the skin. DO NOT get on skin.

During mixing/loading, application, clean-up and repair, wear a long-sleeved shirt, long pants, chemical-resistant gloves, shoes and socks, goggles and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

Goggles and gloves are not required to be worn inside the cockpit. Respirators are also not required to be worn inside the cockpit as long as it is equipped with an air filtration mechanism.

When applying using groundboom, use a closed cab when handling more than 57 kg ai/day. A closed cab must have both a physical barrier and respiratory protection (i.e. dust/mist filtering and/or vapour/gas purification system).

The closed cab must have a chemical-resistant barrier that totally surrounds the occupant and prevents contact with pesticides outside the cab. Respirators, goggles, and chemical-resistant gloves are not required to be worn inside the closed cab but need to be available for exiting the cab.

When applying using open cab airblast equipment or for overhead spray, also wear chemical-resistant headgear. Chemical-resistant headgear includes Sou'Wester hat, chemical-resistant rain hat or large brimmed waterproof hat and hood with sufficient neck protection.

When applying using a mechanically-pressurized handgun, also wear coveralls over a long-sleeved shirt and long pants. Also, during greenhouse application with this equipment, do not handle more than 0.71 kg ai per person per day. These restrictions are in place to minimize exposure to individual applicators. Application may need to be performed over multiple days or using multiple applicators.

When preparing flower bulb dip solutions and for all related cleaning and repair tasks, workers must also wear chemical-resistant coveralls over long-sleeved shirt, long pants, goggles, and chemical-resistant footwear and socks. When handling treated bulbs and when touching surfaces that have contacted or may have been contaminated by the dipping solution, workers must wear long-sleeved shirt, long pants, goggles, socks and shoes, and chemical-resistant gloves.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) on the label. Employers should make every effort to schedule pesticide applications and worker tasks in order to avoid early entry of workers into treated areas. Under exceptional circumstances, certified pesticide applicators may enter treated areas for short-term tasks not involving hand labour if at least 4 hours have passed since application and a long-sleeved shirt, long pants, rubber boots, socks, goggles, chemical-resistant gloves and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR

a NIOSH-approved canister approved for pesticides is worn. Time spent in the treated area cannot exceed 1 hour in a 24-hour period or until restricted entry interval is over.

Change contaminated clothing daily and wash thoroughly before re-use. Wash hands, face and arms thoroughly after handling **CAPTAN 80 WSP** 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.

Apply only when the potential for drift to areas of human habitation or areas of human activity (houses, cottages, schools and recreational areas) is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

DO NOT enter or allow worker entry into treated areas during the restricted entry intervals REI(s) specified in the following table.

<b>Crop</b>	<b>Activity</b>	<b>REI<sup>a</sup></b>
Greenhouse ornamentals <sup>b</sup> (non-cut flower): foliar applications to aster, camellia, carnation, chrysanthemum, dahlia, lilac, rose and tulip	All activities	12 hours
Rhubarb (in forcing sheds)	All activities	12 hours
Soil and greenhouse bench treatment (soil treatment): seedlings or transplants of roses and other flowers, shrubs, trees, lawn seedbeds, beans, celery, crucifers, eggplants, peas, tomatoes, pepper	All activities	12 hours
Apple and pear orchards that have high-density production where the maximum canopy width per tree is 2 m (1 m to reach center or trunk from the row alley). These tree architectural restrictions are to minimize worker contact with treated foliage.	Hand thinning fruit, hand harvesting	15 days
	Hand pruning, training	6 days
	All other activities	2 days <sup>c</sup>
Non-High-Density Apple and Pear Orchards: Apple and pear orchards that do not meet the requirements specified for high-density apple and pear orchards.	Hand thinning fruit	24 days
	Hand harvesting	19 days
	Hand pruning, training	4 days
	All other activities	2 days <sup>c</sup>
Cherry, peach, plum, prune, apricot, nectarine trees	Hand thinning fruit	29 days
	Hand harvesting	15 days
	All other activities	1 day
Grape	Turning, girdling	78 days
	Hand harvesting, training (full foliage), tying (full foliage), leaf pulling by hand	55 days
	All other activities	12 hours
Cucumber (field grown)	Hand set/ hand line irrigation related activities involving foliage contact	10 days
	Hand harvesting, mechanically-assisted harvesting, training, tying	3 days
	All other activities	12 hours
Potato	Hand set/ hand line irrigation related activities involving foliage contact	7 days

	Roguing	6 days
	All other activities	12 hours
Tomato (field grown – foliar applications)	Hand set / hand line irrigation related activities involving foliage contact	10 days
	Hand harvesting, training, tying	7 days
	All other activities	12 hours
Strawberry (field grown)	Hand set / hand line irrigation related activities involving foliage contact	9 days
	Hand harvesting	6 days
	All other activities	12 hours
Raspberry	Hand set / hand line irrigation related activities involving foliage contact	7 days
	Hand harvesting, training / tying (full foliage)	6 days
	All other activities	12 hours
Highbush blueberry, blackberry, loganberry	Hand set / hand line irrigation related activities involving foliage contact	6 days
	Hand harvesting, training / tying (full foliage)	5 days
	All other activities	12 hours
Lowbush blueberry	Hand set / hand line irrigation related activities involving foliage contact	6 days
	All other activities	3 days <sup>c</sup>
Ginseng	Hand set / hand line irrigation related activities involving foliage contact	7 days
	Hand harvesting	4 days
	All other activities	12 hours
Outdoor Ornamentals: Foliar (cut flower)	Hand harvesting, disbudding, hand pruning (full foliage)	7 days
	All other activities	1 day
Outdoor Ornamentals: Foliar (non-cut flower)	Hand harvesting, disbudding, hand pruning (full foliage)	4 days
	All other activities	12 hours
Turf (golf course, sod farms only)	All activities	12 hours
<p><sup>a</sup> REI = Restricted Entry Interval. REIs longer than 12 hours apply to hand labour tasks. If the REI for hand harvesting and the pre-harvest interval (PHI) are different, follow the longer of the two intervals. Mechanical harvesting could occur after the PHI provided there is no worker contact with treated foliage. If the REI is 12 hours and a PHI is not specified, entry is not permitted until after 12 hours.</p> <p><sup>b</sup> Only applies to non-cut flower, as there is a label statement that will prohibit the use on cut flowers.</p> <p><sup>c</sup> Current label REI.</p>		

## FIRST AID

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

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

## **ENVIRONMENTAL PRECAUTIONS**

Toxic to small wild mammals. TOXIC to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE. 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.

## **TANK MIXTURES:**

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact ADAMA Agricultural Solutions Canada Ltd. at 1-855-264-6262 for information before applying any tank mix that is not specifically recommended on this label.

## **RESISTANCE MANAGEMENT RECOMMENDATIONS:**

For resistance management, please note that **CAPTAN 80 WSP** contains a Group M4 fungicide. Any fungal population may contain individuals naturally resistant to **CAPTAN 80 WSP** and other Group M4 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of **CAPTAN 80 WSP** or other Group M4 fungicides with different groups that control the same pathogens.
- Use tank-mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.

- Monitor treated fungal populations for resistance development. Notify ADAMA Agricultural Solutions Canada Ltd. if reduced sensitivity of the pathogen to **CAPTAN 80 WSP** is suspected.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact ADAMA Agricultural Solutions Canada Ltd. at 1 855-264-6262.

## **DIRECTIONS FOR USE**

### **GENERAL USE PRECAUTIONS**

Observe use limitation 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 such as the timing and number of applications needed which will vary with local conditions.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

Aerial application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wingspan or rotorspan.

### **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. 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.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified spray 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 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 50.0 litres per hectare.

### Spray Buffer Zones:

Spot treatments using hand-held equipment **DO NOT** require a spray buffer zone.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Spray Buffer Zones (metres) Required for the Protection of:			
		Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:	
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Outdoor ornamentals (cut and non-cut flowers)	2	1	4	2
	Highbush or lowbush blueberry, blackberry, loganberry	2	1	5	2
	Ginseng, raspberry	2	1	5	3
	Strawberry	3	1	5	3

	Cucumber, tomato, potato		3	1	10	4	
	Turf (golf course, sod farms only)		5	1	10	5	
Airblast	Highbush or lowbush blueberry, blackberry, loganberry	Early growth stage	25	3	35	30	
		Late growth stage	15	2	25	20	
	Raspberry	Early growth stage	25	3	40	30	
		Late growth stage	20	2	30	20	
	Apple and pear orchards, grape	Early growth stage	30	4	40	30	
		Late growth stage	20	2	30	20	
	Peach, plum, prune, apricot, nectarine, cherry trees.	Early growth stage	30	5	40	35	
		Late growth stage	20	3	35	25	
	Aerial	Highbush or lowbush blueberry	Fixed wing	40	1	250	50
			Rotary wing	30	1	125	40
Apple and pear orchards		Fixed wing	55	1	275	70	
		Rotary wing	40	1	150	50	
Grape		Fixed wing	65	1	325	85	
		Rotary wing	45	1	175	55	
Strawberry		Fixed wing	80	1	350	100	
		Rotary wing	55	1	175	70	
Peach, plum, prune, apricot, nectarine trees		Fixed wing	85	3	300	125	
		Rotary wing	55	1	175	75	
Cherry trees		Fixed wing	85	3	300	125	
		Rotary wing	60	1	175	75	
Potatoes		Fixed wing	90	3	350	125	
		Rotary wing	60	1	175	75	
Cucumber, tomato		Fixed wing	100	5	350	150	
		Rotary wing	70	2	200	90	

When tank-mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank-mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

### COMPATIBILITY

Alkaline materials such as spray lime, lime-sulfur and Bordeaux mixture will reduce the fungicidal activity of **CAPTAN 80 WSP**. Do not apply **CAPTAN 80 WSP** 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 **CAPTAN 80 WSP** and sulfur should not be used on crops

sensitive to sulfur.

### PLANT SAFETY

Use at high rates or in drenching sprays, **CAPTAN 80 WSP** 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 **CAPTAN 80 WSP** and other spray materials at lowest recommended rates and avoid drenching trees.

### MIXING INSTRUCTIONS

The enclosed pouches containing **CAPTAN 80 WSP** are **water-soluble** and will dissolve completely in water. After opening the outer bag, drop the required number of unopened inner pouches into the spray tank as directed. Reseal outer bag to protect remaining pouches. Do not excessively handle water-soluble pouches or expose to moisture since this may cause breakage. Do not allow pouches to become wet prior to mixing spray solution. Do not handle with wet hands.

1. Fill the spray tank 1/3 to 1/2 full with clean water and begin agitation or bypass.
2. Add the required number of unopened pouches of **CAPTAN 80 WSP** directly to the spray tank.
3. Vigorous agitation is required for **CAPTAN 80 WSP** to become fully suspended. The water temperature and the degree of agitation will determine the amount of time for the pouches to dissolve. The pouches should be completely dissolved before application or adding tank-mix partners. Maintain sufficient agitation during both mixing and application.
4. If required, add the tank-mix partner.

### APPLICATION RATES FRUIT CROPS

**APPLE: Scab (*Venturia inaequalis*) - Sooty Blotch (*Peltaster fruiticola*, *Leptodontium elatuius* and *Geastrumia polystigmatis*), Fly Speck (*Schizothyrium pomi*), Brook's Spot (*Mycosphaerella pomi*), Bitter Rot (*Colletotrichum gloeosporioides* and *C. acutatum*), Black Rot (*Botryosphaeria obtuse*) Bull's Eye Rot (*Gloeosporium perennans*)** - Initiate applications preventatively before infection becomes established. Apply 3 kg/ha under conditions of low to moderate disease pressure only. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix **CAPTAN 80 WSP** at the 3 kg/ha rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease. Apply at a minimum of a 7-day interval. 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 conventional ground equipment or aircraft. Refer to aerial application precautions.

High-Density Apple Orchards: Orchards that have high-density production where the maximum canopy width per tree is 2 m (1 m to reach centre or trunk from the row alley). Do not use more than 10 applications per year.

Non-High-Density Apple Orchards: Do not use more than 2 applications per year. When hand thinning is performed, make 1 application beforehand thinning fruit and 1 application after hand thinning fruit.

**Tank-mix with NOVA™ (mycobutanil) for Control of Apple Scab (GROUND APPLICATION ONLY)** - NOVA is a systemic fungicide. When tank-mixing use 340 g/ha (full rate) of NOVA and one-half of the recommended rates of **CAPTAN 80 WSP** for apple scab control. Follow all

directions for NOVA as given on the NOVA label.

**APRICOT: Brown Rot (*Monilinia fructicola*)** - Apply preventatively when conditions are favourable for disease development. An application can be made, starting as soon as pink bud, up to pre-harvest. Apply 4 kg/ha under conditions of low to moderate disease pressure. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix **CAPTAN 80 WSP** at the 4 kg/ha rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease. Do not apply more than one application per year. May be applied up to 2 days before harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions.

**CHERRIES: (Sour, Sweet): Brown Rot (*Monilinia fructicola*), Leaf Spot (Shot Hole) (*Blumeriella jaapii*)** - Leaf injury may result to the Schmidt and Emperor Francis varieties of sweet cherry in post-bloom sprays. Apply preventatively when conditions are favourable for disease development. An application can be made, starting as soon as pink bud, up to pre-harvest. Apply 4 kg/ha under conditions of low to moderate disease pressure. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix **CAPTAN 80 WSP** at the 4 kg/ha rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease. Do not apply more than one application per year. 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 conventional ground equipment or aircraft. Refer to aerial application precautions.

**PEACH AND NECTARINE: Brown Rot (*Monilinia fructicola*), Scab (*Cladosporium carpophilus*)**- Apply preventatively when conditions are favourable for disease development. An application can be made, starting as soon as pink bud, up to pre-harvest. Apply 4 kg/ha under conditions of low to moderate disease pressure. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix **CAPTAN 80 WSP** at the 4 kg/ha rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease. Do not apply more than one application per year. May be applied up to 2 days before harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions.

**PEAR: Scab (*Venturia pirina*), Sooty Blotch (*Peltaster fruticola*, *Leptodontium elatuius* and *Geastrumia polystigmatis*)** - Do not use on D'Anjou pears. Initiate applications preventatively before infection becomes established. Apply 3 kg/ha under conditions of low to moderate disease pressure only. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix **CAPTAN 80 WSP** at the 3 kg/ha rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease. Apply at a minimum of a 7-day interval. Do not apply within 7 days of harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions.

High-Density Pear Orchards: Orchards that have high-density production where the maximum canopy width per tree is 2 m (1 m to reach centre or trunk from the row alley). Do not use more than 10 applications per year.

Non-High-Density Pear Orchards: Do not use more than 2 applications per year. When hand thinning is performed, make 1 application beforehand thinning fruit and 1 application after hand thinning fruit.

**PLUM, PRUNE: Black Knot (*Apiosporina morbosa*), Brown Rot (*Monilinia fructicola*)** - Apply preventatively when conditions are favourable for disease development. An application can be made, starting as soon as pink bud, up to pre-harvest. Apply 4 kg/ha under conditions of

low to moderate disease pressure. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix **CAPTAN 80 WSP** at the 4 kg/ha rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease. Do not apply more than one application per year. May be applied up to 2 days before harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions.

**GRAPE: Dead Arm (*Phomopsis viticola*) (Current Season's Infections)** - Use 2 kg/ha. Apply when new shoots are 1 to 5 centimetres long and again when 10 to 15 centimetres long. Do not apply more than 2 applications per year for dead arm. Apply at a minimum of a 7-day interval. **Downy Mildew (*Plasmopara viticola*), Black Rot (*Guignardia bidwellii*)** - Use 2-3 kg/ha. An application can be made up to 7 days before harvest. Do not apply more than 1 application per year for downy mildew or black rot. Do not apply within 7 days of harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions.

**RASPBERRY: Fruit Rot (*Botrytis cinerea*), Spur Blight (*Didymella applanata*)** - Use 2.5 kg/ha in 1,000 litres of water per hectare. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 6 applications per year. May be applied up to 2 days before harvest. Do not apply by air.

**BLACKBERRY: Fruit Rot (*Botrytis cinerea*)** - Use 2.25 kg/ha in 1,000 litres of water per hectare. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 6 applications per year. May be applied up to 2 days before harvest. Do not apply by air.

**LOGANBERRY: Cane Spot (*Elsinoë veneta*), Fruit Rot (*Botrytis cinerea*), Leaf Spot (*Septoria rubi*), Spur Blight (*Didymella applanata*)** - Use 1.5-2.25 kg in 1,000 litres water per hectare. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 6 applications per year. May be applied up to 2 days before harvest. Do not apply by air.

**BLUEBERRY: Fruit Rot (*Botrytis cinerea*), Mummy Berry (*Monilinia vaccinii-corymbosi*)** - Use 2.25 kg in 1,000 litres per hectare. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 6 applications per year. May be applied up to 2 days before harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions.

**STRAWBERRY: Gray-Mold Rot (*Botrytis cinerea*), Leaf Spot (*Mycosphaerella fragariae*)** - Use 1,000 litres water per hectare. Apply preventatively, when conditions are favourable to disease development. Apply 3.5 kg/ha under conditions of low to moderate disease pressure only. If disease pressure is high or conditions are conducive for high disease pressure, either tank-mix **CAPTAN 80 WSP** at the 3.5 kg/ha rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease. Apply at a minimum of a 7-day interval. Do not make more than 6 applications per year. May be applied up to 2 days before harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions. **DO NOT** use on greenhouse strawberry.

**RHUBARB (IN FORCING SHEDS): Grey Mold (*Botrytis cinerea*)** - Use 1.25 - 2 kg in 1,000 litres water. Maximum spray volume of 150 L/ha. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 6 applications per year. May be applied up to 2 days before harvest. Do not apply by air.

## **VEGETABLE AND ORNAMENTAL CROPS**

**CUCUMBER: Anthracnose (*Colletotrichum ohriculare*), Scab (*Cladosporium cucumerinum*)** - Use 2.25 - 4.25 kg per hectare in sufficient water for thorough coverage. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 3 applications per year. Use 2.25 - 3.25 kg on young plants, 3.25 4.25 kg on mature plants. May be applied up to 2 days before harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions. **DO NOT** use on greenhouse cucumber.

**POTATO: Early Blight (*Alternaria solani*), Late Blight (*Phytophthora infestans*)** - Use 2.5 - 3.75 kg per hectare in sufficient water for thorough coverage. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 3 applications per year. May be applied up to 7 days before harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions.

**TOMATO: Anthracnose (*Colletotrichum spp.*), Septoria Leaf Spot (*Septoria lycopersici*)** - Use 2.75-4.25 kg per hectare in sufficient water for thorough coverage. Apply preventatively, when conditions are favourable to disease development. Apply at a minimum of a 7-day interval. Do not make more than 3 applications per year. May be applied up to 2 days before harvest. May be applied by conventional ground equipment or aircraft. Refer to aerial application precautions. **DO NOT** use on greenhouse tomato.

**NOTICE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATION.**

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than ADAMA Agricultural Solutions Canada Ltd. ("ADAMA") under the User Requested Minor Use Label Expansion program. For these uses, ADAMA has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The use should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

**GINSENG**

For the control of rhizoctonia root rot (*Rhizoctonia solani*), pythium root rot and damping-off (*Pythium spp.*), phytophthora root rot (*Phytophthora cactorum*) and grey mould (*Botrytis cinerea*) and suppression of cylindrocarpon root rot (*Cylindrocarpon destructans*), apply **CAPTAN 80 WSP** as a broadcast foliar spray at a rate of 2.5 kg/ha (2.0 kg ai/ha) in a spray volume of 935 to 1871 L water/ha. Begin applications prior to disease onset, when conditions are conducive to disease development with a minimum interval of 7 days. Do not apply more than 8 applications. Ground applications only. Applications can be made up to 20 days before harvest.

The application rate should be based on 2.5 kg product per hectare applied in the appropriate volume of carrier to achieve thorough coverage of all plant surfaces. For example, if you apply 1000 litres of water per hectare, thoroughly mix 2.5 kg of product in 1000 litres of water and apply thorough coverage of all above-ground plant surfaces for optimal disease control. Use care in mixing and application to avoid exceeding rates of 2.5 kg product per hectare regardless of spray volume.

**TURF and ORNAMENTAL USES**

**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 1.5 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. Do not apply more than one application per year. Do not apply by air.

**TURF (golf courses and sod farms only):** Brown Patch (*Rhizoctonia solani*), Damping-Off (*Pythium*, *Rhizoctonia*, and *Fusarium* spp.), Leaf Spot and Melting-Out (*Bipolaris*, *Drechslera*, and *Exserohilum* spp.), Root Rot (*Pythium* spp.) - Use 60 grams in 20 L of water per 100 square metres. Apply preventatively, when conditions are favourable to disease development. Do not make more than one application per year. Do not apply to home lawns, parks, schools, sport fields and other recreation areas. Do not apply by air.

**OUTDOOR ORNAMENTALS: Foliar (cut flower) precautions:** Do not apply more than one application per year at a maximum of 1.5 kg/ha.

**CAMELLIA: Petal Blight (*Ciborinia camelliae*)** - Use 1.25 kg in 1,000 litres water. Apply preventatively, when conditions are favourable to disease development. Apply to foliage and soil around plants. Re-apply on 7- to 10-day intervals if disease pressure continues, or if environmental conditions are conducive to disease development. Do not apply more than 6 applications per year. **DO NOT** use on greenhouse cut flowers. Do not apply by air.

**CARNATION: Leaf Spot (*Alternaria dianthicola*, *A. dianthi*), CHRYSANTHEMUM: Botrytis Flower Blight (*Botrytis cinerea*), Septoria Leaf Spot (*Septoria chrysanthemi*, *S. chrysanthemella*). ROSE: Black Spot (*Diplocarpon rosae*)** - Use 1.25 - 1.5 kg in 1,000 litres water. Apply to give even coverage of upper and lower leaf surface. Apply preventatively, when conditions are favourable to disease development. Re-apply on 7- to 10-day intervals if disease pressure continues, or if environmental conditions are conducive to disease development. Do not apply more than 6 applications per year. Do not apply by air. **DO NOT** use on greenhouse cut flowers.

**ASTER, DAHLIA, LILAC, ROSE, TULIP: Botrytis Flower Blight (*Botrytis cinerea*)** - Use 1.25 kg in 1,000 litres water. Apply preventatively, when conditions are favourable to disease development and re-apply on 7- to 10-day intervals if disease pressure continues, or if environmental conditions are conducive to disease development. Do not apply more than 6 applications per year. Do not apply by air. **DO NOT** use on greenhouse cut flowers.

**BEGONIA (TUBEROUS), DAFFODIL, DAHLIA, GLADIOLUS, IRIS (Bulbous), NARCISSUS, TULIP: Damping-Off, Bulb Rots (*Pythium*, *Rhizoctonia*, and *Fusarium* spp.)** - Use 3.75 - 9.5 kg in 1,000 litres water. Before storage, dip and allow to dry. **DO NOT** dip flower bulbs by hand. Only mechanical or automated dipping equipment must be used (for example, conveyor belt, forklift). Do not apply by air. **DO NOT** use on greenhouse cut flowers.

## **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial/territorial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial/territorial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER**

This control product is to be used only in accordance with the directions on 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.

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[Water-Soluble Pouch Text]

**CAPTAN 80 WSP**

Water Dispersible Granules

KEEP OUT OF REACH OF CHILDREN

SEE DIRECTIONS FOR USE BROCHURE FOR COMPLETE PRECAUTIONARY  
STATEMENTS

Active Ingredient: Captan 80% Reg. No. 33597

WARNING – CONTAINS THE ALLERGEN SULFITES

DANGER - CORROSIVE TO EYES

POTENTIAL SKIN SENSITIZER

Net Contents: 250 g – 20 kg (250 g – 1 kg water-soluble pouches)