

{Outer Bag Label}

**Quash® Fungicide**

FUNGICIDE  
WATER DISPERSIBLE GRANULE  
COMMERCIAL

For preventative control or suppression of certain diseases in canola, dry beans, field peas, chickpea, lentil, potato, blueberries, sea buckthorn, currants elderberry Crop Subgroup 20B, including sunflower, stone fruit, hazelnut and almond

<b>GUARANTEE:</b>
Metconazole..... 50.0%

WARNING CONTAINS THE ALLERGENS SULFITES AND MILK

**READ THE LABEL BEFORE USE**



**CAUTION - POISON**

**KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO.: 30402  
PEST CONTROL PRODUCTS ACT

**DO NOT SELL WATER SOLUBLE PACKETS SEPARATELY**  
**Do NOT use a knife or other sharp object to open this outer bag.**  
**This outer bag is not water soluble. Do NOT put in spray tank.**

Store in a cool, dry, secure place. Do not remove water soluble packet from outer bag except for immediate use. Do not allow to become wet in storage. Keep outer bag sealed when not in use.

**Net Contents: 560g**

Valent Canada, Inc.  
3-728 Victoria Road South  
Guelph, ON, Canada N1L 1C6

(519) 767-9262  
[www.valent.ca](http://www.valent.ca)

{Water Soluble Packet Label}

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**Net Contents: 280g**

Quash® is a registered trademark of Valent U.S.A. Corporation

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**Net Contents: 280g – 1120g**

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Guelph, ON, Canada N1L 1C6  
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## NOTICE TO USER

This pest 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. The user assumes the risk to persons or property that arises from any such use of this product.

## FIRST AID

- 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 the person to fresh air. If the 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.
- IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL  
1-800-682-5368***

## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms, non-target terrestrial plants, birds, and small wild mammals.

Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

The use of this chemical may result in contamination of ground water particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

## **PRECAUTIONS**

**KEEP OUT OF THE REACH OF CHILDREN.** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or using the toilet.

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, socks and shoes. Applicators using open cab airblast equipment must also wear a chemical resistant hat.

Applicators handling more than 64 kg of product must use a closed cab tractor for application. For the Sunflower Crop Subgroup 20B, applicators handling more than 73 kg of product must use a closed cab tractor for application. A closed cab is a chemical resistant barrier that completely surrounds the occupant of the cab and prevents contact with the pesticide or treated surfaces outside the cab.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothes. Remove PPE immediately after handling this product. As soon as possible, was thoroughly and change into clean clothing.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as 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 (REIs) specified in the following table:

<b>Crop</b>	<b>Re-entry activities</b>	<b>Restricted entry interval</b>
Canola, sunflower	All activities	12 hours
Dry beans, field peas, chickpeas, and lentils	Scouting	1 day
	Hand set irrigation	6 days
Potatoes	Scouting	12 hours
	Roguing	2 days
	Hand set irrigation	7 days

Highbush blueberries, buffalo currant, black currant, red currant, elderberry, sea buckthorn; cultivars, varieties, and/or hybrids of these	Thinning, training and tying	3 days
	Other activities	12 hours
Lowbush blueberries	Hand set irrigation	3 days
	Other activities	12 hours
Crop Subgroup 20B, excluding sunflower (calendula; castor oil plant; euphorbia; evening primrose; niger seed; rose hip; safflower; stokes aster; cultivars, varieties and/or hybrids of these)	Scouting	6 days
	Other activities	12 hours
Hazelnuts/Filberts and Almonds	All activities	12 hours
Cherry (sweet and tart), apricot, nectarine, peach, plum, plumcot, and prune (fresh)	Fruit thinning	9 days
	Other activities	12 hours

Quash Fungicide consists of water dispersible granules sealed within a water soluble bag. Drop intact water soluble bag directly into spray tank. The water soluble bag and pesticide will dissolve readily in water.

Do not allow the water soluble bag to become wet prior to use. Do not handle individual water soluble bag with wet hands or wet gloves as this may cause breakage. Do not remove water soluble bag from overwrap container except for immediate use.

Do not open or puncture water soluble bag for any reason.

Do not use opened or punctured water soluble bag.

If broken water soluble bags are found when the overwrap bag is opened, avoid contact with, and inhalation of the product. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and footwear and dispose of broken water soluble bag according to the DISPOSAL section.

Do not apply this product through any type of irrigation system.

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., [contact](#) Valent Canada, Inc.

## APPLICATIONS PRECAUTIONS

### Aerial Application: 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.

## **DISPOSAL/DECONTAMINATION**

**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 container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on 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.

### **STORAGE:**

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. To prevent contamination, store this product away from food or feed.

## **RESISTANCE MANAGEMENT**

For resistance management, please note that *Quash* contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to *Quash* and other group 3 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 *Quash* or other group 3 fungicides with different groups that control the same pathogens.
- Avoid application of more than the maximum number listed in the label and consecutive sprays of *Quash* or other fungicides in the same group in a season.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide 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 other control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications.
- Monitor treated fungal populations for resistance development.
- 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 advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops or pathogens.
- For further information and to report suspected resistance, contact Valent Canada, Inc. at 1-800-682-5368 or at [www.valent.ca](http://www.valent.ca).

## GENERAL INFORMATION

### MODE OF ACTION

The active ingredient in *Quash* is metconazole, a broad-spectrum triazole fungicide that works by inhibiting demethylation and other processes in sterol biosynthesis. *Quash* is systemic and is quickly absorbed into plant tissue. Metconazole is absorbed quickly into the plant tissue and can move up, but not down, in the plant. Metconazole has no effect on fungal spore germination, but interferes with other early developmental processes in the life cycle of certain fungi. Although *Quash* cannot prevent spore germination, it prevents spore formation and inhibits mycelial growth.

*Quash* is most effective when applied prior to infection. Optimal disease control is achieved when *Quash* is applied in a regularly scheduled spray program and used in combination and/or rotation with other effective fungicides that have different modes of action (i.e., non-Group 3 fungicides). *Quash* is a sterol biosynthesis inhibitor; avoid rotating with other sterol biosynthesis inhibitors.

### RAINFASTNESS

Applications should not be made if rain is expected within 2 hours of application or disease control may be reduced.

### SPRAYER PREPARATION

Before applying *Quash*, start with clean, well maintained application equipment. The spray tank hoses and booms must be cleaned to ensure no residue from the previous spraying operations remain in the sprayer. The spray equipment must be cleaned according to the manufacturer's directions for the last product used before the equipment

is used to apply *Quash*. If two or more products were tank mixed prior to *Quash* application, the most restrictive cleanup procedure should be followed.

Application equipment should be clean and in good repair. Nozzles should be frequently checked for accuracy.

### **SPRAYER CLEANUP**

Clean sprayer equipment each day following *Quash* application. After application is complete, use the following steps to clean spray equipment:

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
2. Fill the spray tank with clean water and flush all hoses, booms, screens, and nozzles.
3. Drain tank completely.
4. Remove all nozzles and screens and rinse them in clean water.

### **MIXING INSTRUCTIONS**

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. While agitating, slowly add the *Quash* to the spray tank. Agitation should create a rippling or rolling action on the water surface.
3. If tank mixing *Quash* with other labeled pesticides, add water soluble packets first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
4. Add any required adjuvants.
5. Fill spray tank to desired level with water. Agitation should continue until all spray solution has been applied.
6. Mix only the amount of spray solution that can be applied the day of mixing. Apply *Quash* within 24 hours of mixing.

### **SPRAY VOLUME**

Apply *Quash* in sufficient water to ensure thorough coverage of foliage, blossoms, and fruit. Thorough coverage is required for optimal disease control. For ground application, apply a minimum of 200 L of spray mixture per hectare. For aerial application, apply a minimum of 50 L of spray mixture per hectare to ensure uniform coverage.

### **AERIAL APPLICATION**

To minimize drift, apply the largest droplet size consistent with uniform coverage and satisfactory disease control. To obtain satisfactory application and avoid drift, the following directions must be observed:

- Do not apply during low-level inversion conditions, when winds are gusty or under other conditions that favour drift. Do not spray when wind velocity is less than 3 km/h or more than 16 km/h.
- **Carrier Volume and Spray Pressure:** Application at less than 50 litres per hectare may provide inadequate coverage and control. The higher litreage applications generally afford more consistent disease control. Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure

produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

- **Nozzle Selection and Orientation:** Formation of very small drops may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray pressure. Use nozzles that produce flat fan or cone spray patterns. Use non-drip type nozzles, such as diaphragm type nozzles, to avoid unwanted discharge of spray solution. The nozzles must be directed toward the rear of the aircraft, producing a spray discharge at an angle between 0 and 15° downward. Do not place nozzles on the outer 25% of the wings or rotors.
- **Adjuvants and Drift Control Additives:** Refer to tank mix partner’s label for adjuvant recommendation. Drift control additives may be used although it is better to obtain coarser sprays through appropriate nozzle selection and use wherever possible. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label, and be certain of compatibility with the tank mix and nozzle types being used before selecting any adjuvant types.

**ROTATIONAL RESTRICTIONS**

A 30-day plant back interval for all crops not listed on the label.

**SPECIFIC DIRECTIONS FOR USE – ALL CROPS**

- *Quash* should be used as a part of an Integrated Pest Management (IPM) program.
- Apply as a foliar spray in sufficient water to obtain thorough coverage of the plant.

<b>SPECIFIC DIRECTIONS FOR USE – ALL CROPS (continued)</b>					
<b>Crops</b>	<b>Diseases</b>	<b>Application Rates</b>		<b>Minimum Time from Last Application to Harvest (PHI)</b>	<b>Specific Use Instructions</b>
		g/ha	L/ha		

Canola	Sclerotinia stem rot ( <i>Sclerotinia sclerotiorum</i> )	140-280	Ground: 200  Aerial: 50	45 days	<p>Make a single, preventative application between 20% and 50% bloom.</p> <p>Under high disease pressure, use the application rate of 280 g/ha.</p> <p>Do not make more than one application or apply more than 280 g/ha per season.</p>
<b>Crop Subgroup 6-C</b>					
Dry Bean	Suppression of White mold ( <i>Sclerotinia sclerotiorum</i> )	280	Ground: 200  Aerial: 50	21 days	<p>Apply prior to disease development. Make first application at 20-50% bloom stage, before disease symptoms are visible. Make a second application at full bloom (minimum 7 day interval).</p> <p>Do not make more than 2 applications or apply more than 560 g/ha per season.</p>
Field Pea	Powdery mildew ( <i>Erysiphe pisi</i> )				
	Suppression of White mold ( <i>Sclerotinia sclerotiorum</i> )				
Chickpea	Suppression of Ascochyta blight ( <i>Ascochyta rabiei</i> )				
	Suppression of White mold ( <i>Sclerotinia sclerotiorum</i> )				
Lentil	Suppression of Ascochyta blight ( <i>Ascochyta lentis</i> )				
	Suppression of White mold ( <i>Sclerotinia sclerotiorum</i> )				

Potato	Early blight ( <i>Alternaria solani</i> )	175-280	Ground: 200 Aerial: 50	1 day	Apply prior to infection for preventative control.  If conditions are favorable for disease development, make additional applications at 7 to 10 day interval.  Do not make more than 3 applications at the high rate or 4 applications at the low rate.  Do not make more than 2 sequential applications. Do not apply more than 840g/ha/season.
	Suppression of White mold ( <i>Sclerotinia sclerotiorum</i> )	280			Make first application prior to infection, generally at row closure and/or first bloom. Make second application 14 days later, if conditions favour white mold development.

**NOTE TO BUYER/USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS:**

The DIRECTIONS FOR USE for this product for the use described in this section of the label were developed by persons other than Valent Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Valent Canada, Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used in accordance with this label. Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Valent Canada, Inc. harmless from any claims based on efficacy or phytotoxicity in connection with the use(s) described below.

Crop	Diseases	Application Rates		PHI	Specific Use Instructions
		g/ha	L/ha		
blueberry, highbush; blueberry, lowbush;	Mummy Berry ( <i>Monilinia vaccinii-corymbosi</i> )	180	Minimum 200	7	Apply when conditions favor disease development and prior to infection.
blueberry, highbush; blueberry, lowbush; buffalo currant; currant, black; currant, red; sea buckthorn; cultivars, varieties, and/or hybrids of these	Anthracnose Ripe Rot ( <i>Colletotrichum acutatum</i> ),				Apply at the green tip stage for mummy berry, at bloom for anthracnose, and at pre-bloom for Phomopsis.  Make repeat applications on 7 day intervals. Do not make more than 3 applications per season.
blueberry, highbush; blueberry, lowbush; elderberry; sea buckthorn; cultivars, varieties, and/or hybrids of these	Suppression of Phomopsis twig blight and fruit rot ( <i>Phomopsis vaccinii</i> ),				Do not make more than 2 sequential applications.  Do not apply more than 540 g/ha/season.  Do not apply by air.

<b>CROP SUBGROUP 20B, INCLUDING SUNFLOWER</b>					
calendula; castor oil plant; euphorbia; evening primrose; niger seed; rose hip; safflower; stokes aster; sunflower; cultivars, varieties and/or hybrids of these	Sclerotinia head rot ( <i>Sclerotinia sclerotiorum</i> ) - suppression	280	Ground: 100 – 200	21 days	<p>Make the first application preventatively at early to mid-bloom. A second application may be made at full bloom or 7 – 14 days later.</p> <p>Do not make more than 2 applications per season.</p> <p>Do not apply more than 560 g/ha per season.</p> <p>Two applications may be made sequentially before rotating to a fungicide with a different mode of action registered for the same use.</p>
Sunflower	Rust ( <i>Puccinia helianthi</i> )				Aerial: 50

Crop	Diseases	Application rates		PHI	Specific Instructions
		Application rate (g/ha)	Spray Volume (L/ha)		
Cherry (Sweet and Tart)	Brown Rot Blossom Blight ( <i>Monilinia fructicola</i> , <i>M. laxa</i> )	175-245	1000-4000	14	<p>Use in rotation with other <u>brown rot, blossom blight</u> fungicides beginning at early pink stage before infection occurs up to petal fall stage</p> <p>OR beginning at green tip if conditions are favorable for disease development up to petal fall for <u>cherry leaf spot</u>.</p> <p>OR for <u>fruit brown rot</u> make application 14 – 21 days prior to harvest</p> <p>OR use in rotation with other <u>powdery mildew</u> fungicides until terminal growth ceases.</p> <p>Apply as a foliar spray in sufficient water to obtain thorough coverage of blossoms, foliage and/or fruit.</p> <p>Under high disease pressure use the higher rate.</p> <p>Do not make more than 1 application per season. Do not apply more than 280 g/ha/season.</p> <p>Do not apply by air.</p>
	Suppression of Cherry Leaf Spot ( <i>Blumeriella jaapii</i> ) - excluding pathogen types resistant to Group 3 fungicides	280			
	Fruit Brown Rot ( <i>Monilinia fructicola</i> , <i>M. laxa</i> )	175-280			
	Suppression of Powdery Mildew ( <i>Podosphaera clandestina</i> )	245-280			



Apricot, Nectarine, Peach	Brown Rot Blossom Blight ( <i>Monilinia fructicola</i> , <i>M. laxa</i> )	175- 245	1000-4000	14	<p>Use in rotation with other <u>brown rot, blossom blight and scab</u> fungicides beginning at early pink stage before infection occurs up to petal fall stage</p> <p>OR for <u>fruit brown rot</u> make application 14 – 21 days prior to harvest</p> <p>OR use in rotation with other <u>powdery mildew</u> fungicides until terminal growth ceases.</p> <p>Apply as a foliar spray in sufficient water to obtain thorough coverage of blossoms, foliage and/or fruit.</p> <p>Under high disease pressure use the higher rate.</p> <p>Do not make more than 1 application per season. Do not apply more than 280 g/ha/season.</p> <p>Do not apply by air.</p>
	Suppression of Scab ( <i>Cladosporium carpophilum</i> )				
	Fruit Brown Rot ( <i>Monilinia fructicola</i> , <i>M. laxa</i> )	175- 280			
	Suppression of Powdery Mildew ( <i>Podosphaera clandestina</i> )	245- 280			

Plum, Plumcot, and Prune (Fresh)	Brown Rot Blossom Blight ( <i>Monilinia fructicola</i> , <i>M. laxa</i> )	175- 245	1000-4000	14	<p>Use in rotation with other <u>brown rot, blossom blight</u> fungicides beginning at early pink stage before infection occurs up to petal fall stage</p> <p>OR for <u>fruit brown rot</u> make application 14 – 21 days prior to harvest</p> <p>OR use in rotation with other <u>powdery mildew</u> fungicides until terminal growth ceases.</p> <p>Under high disease pressure use the higher rate.</p> <p>Do not make more than 1 applications per season. Do not apply more than 280 g/ha/season.</p> <p>Do not apply <i>Quash</i> Fungicide to “Stanley” type plums.</p> <p>Do not apply by air.</p>
	Fruit Brown Rot ( <i>Monilinia fructicola</i> , <i>M. laxa</i> )	175- 280			
	Suppression of Powdery Mildew ( <i>Podosphaera clandestina</i> )	245- 280			

Hazelnuts / Filberts	For suppression of Eastern Filbert Blight ( <i>Anisogramma anomala</i> )	245			
Almond	Brown Rot Blossom Blight ( <i>Monilinia fructicola</i> ; <i>M. laxa</i> )	175-245			
			1000-4000	25	<p>For Eastern Filbert Blight: Begin applications starting at bud swell to bud break and continue at 14 day intervals. Under conditions which favor disease development, shorten spray interval to 10 days. Do not make more than 2 sequential <i>Quash</i> Fungicide applications before switching to a non-Group 3 fungicide for resistance management.</p> <p>For all other Diseases: Begin applications prior to disease development and continue at a 7 to 14 day interval throughout the season. Do not make more than 2 applications after petal fall.</p> <p><i>Quash</i> Fungicide is most effective when applied and allowed to dry before a rainfall.</p> <p>Apply as a foliar spray in sufficient water to obtain thorough coverage of all branches. Alternate row applications are not recommended.</p> <p>Do not make more than 4 applications per season.</p> <p>Do not apply more than 980 g/ha/season.</p> <p>Do not apply by air.</p>

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

**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) 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) medium classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

#### **Buffer zones:**

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), 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	Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Canola, Crop Group 20B, Including Sunflower	2	1	0	0	1
	Dry bean, field peas, chickpea, lentils, low-bush blueberries	3	1	1	0	1
	Potato	4	1	1	0	1
Airblast	High-bush blueberries, Early growth stage	30	4	1	0	2

	currant, elderberry, sea buckthorn, Cherry (sweet and tart), Apricot, Nectarine, Peach, Plum, Plumcot, and Prune (fresh)	Late growth stage	20	2	1	0	1
	Filbert, almond, hazel nuts	Early growth stage	35	10	2	1	4
		Late growth stage	25	4	1	1	2
Aerial	Canola, Crop Group 20B, Including Sunflower	Fixed wing	10	1	0	0	3
		Rotary wing	10	1	0	0	5
	Dry bean, field peas, chickpea, lentils	Fixed wing	35	1	1	0	5
		Rotary wing	30	1	1	0	10
	Potato	Fixed wing	55	1	1	0	10
		Rotary wing	40	1	1	0	10

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) 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.

Quash® is a registered trademark of Valent U.S.A. Corporation

{Base Container Label}

GROUP	<b>3</b>	FUNGICIDE
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**Quash® Fungicide**

FUNGICIDE  
WATER DISPERSIBLE GRANULE  
COMMERCIAL

For preventative control or suppression of certain diseases in canola, dry beans, field peas, chickpea, lentil, potato, blueberries, sea buckthorn, currants, elderberry  
Crop Subgroup 20B, including sunflower, stone fruit, hazelnut and almond

GUARANTEE:
Metconazole..... 50.0%

WARNING CONTAINS THE ALLERGENS SULFITES AND MILK

**READ THE LABEL BEFORE USE**



**CAUTION - POISON**

**KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO.: 30402  
PEST CONTROL PRODUCTS ACT

**Net Contents: 280g – 1120g**

Valent Canada, Inc.  
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Guelph, ON, Canada N1L 1C6  
(519) 767-9262  
www.valent.ca

## NOTICE TO USER

This pest 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. The user assumes the risk to persons or property that arises from any such use of this product.

## FIRST AID

- 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 the person to fresh air. If the 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.
- IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL  
1-800-682-5368***

## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms, non-target terrestrial plants, birds, and small wild mammals. Observe buffer zones specified under DIRECTIONS FOR USE.

## PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes. Wash thoroughly with soap and water

after handling and before eating, drinking, chewing gum or using tobacco or using the toilet.

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, socks and shoes. Applicators using open cab airblast equipment must also wear a chemical resistant hat.

Applicators handling more than 64 kg of product must use a closed cab tractor for application. For the Sunflower Crop Subgroup 20B, applicators handling more than 73 kg of product must use a closed cab tractor for application. A closed cab is a chemical resistant barrier that completely surrounds the occupant of the cab and prevents contact with the pesticide or treated surfaces outside the cab.

### **Aerial Application: 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.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair.

## **DISPOSAL/DECONTAMINATION**

**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 container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on 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.

### **STORAGE:**

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. To prevent contamination, store this product away from food or feed.

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