

GROUP	11	FUNGICIDE
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# SPADE® FUNGICIDE

EMULSIFIABLE CONCENTRATE

**COMMERCIAL (AGRICULTURAL)**

Broad spectrum fungicide for use in cereals, corn, edible-podded legume vegetables (Crop Subgroup 6-A), succulent shelled beans and peas (Crop Subgroup 6-B), dried shelled peas and beans (Crop Subgroup 6-C including pulses such as chickpea, lentils, dry field peas), soybeans, potatoes, sugar beets, bluegrasses, fescues and ryegrasses grown for seed and alfalfa for seed production (in Manitoba, Saskatchewan, Alberta and the Peace River Region of British Columbia) and Timothy

**ACTIVE INGREDIENT:** Pyraclostrobin ..... 250 g/L

WARNING: contains the allergen soy.

REGISTRATION NO. **32927** PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND ATTACHED BROCHURE BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**



**DANGER**

**POISON**

**DANGER - SKIN AND EYE IRRITANT**

**NET CONTENTS:** 1 L - Bulk

**For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887**

New Agco Inc.  
320 – 22<sup>nd</sup> Street East  
Saskatoon, SK S7K 0H1  
1-844-269-3276

**Distributed by:**  
AgraCity Crop & Nutrition Ltd.  
320 – 22<sup>nd</sup> Street East  
Saskatoon, SK S7K 0H1  
1-844-269-3276

## GENERAL INFORMATION

This package contains SPADE Fungicide, a 250 g/L emulsifiable concentrate (EC). The active ingredient in SPADE Fungicide belongs to the strobilurins, a class of fungicides. Strobilurins are synthetic derivatives of a natural antifungal substance. SPADE Fungicide has a different mode of action and is effective against pathogens resistant to other fungicides.

SPADE Fungicide has a protective effect because it inhibits spore germination and a curative-eradicate effect due to the inhibition of mycelial growth and sporulation of the fungus on the leaf surface. While SPADE Fungicide can be applied in either pre- or postinfection situations, optimum disease control is achieved when SPADE Fungicide is applied preventatively in a regularly scheduled protective spray program and is used in a rotation program with other fungicides.

## DIRECTIONS FOR USE (See specific sections for each crop group)

Apply recommended rates of SPADE Fungicide as instructed by the following series of Crop application rate tables. Apply SPADE Fungicide with ground or aerial spray equipment. Equipment should be checked frequently for proper calibration.

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, drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

### Cereals Application Rate Table (Ground, Aerial)

Crop	Disease	Application Rate* (L/ha)
Wheat	Leaf rust ( <i>Puccinia recondita</i> ) Tan spot ( <i>Pyrenophora tritici-repentis</i> ) Septoria leaf spot ( <i>Septoria tritici</i> or <i>Leptosphaeria nodorum</i> )	0.3 - 0.6
	Spot blotch ( <i>Cochliobolus sativus</i> ) Stripe rust ( <i>Puccinia striiformis</i> ) Powdery mildew ( <i>Erysiphe graminis f. sp. tritici</i> )	0.4 - 0.6
Barley	Net blotch ( <i>Pyrenophora teres</i> )	0.3 - 0.6
	Spot blotch ( <i>Cochliobolus sativus</i> ) Stripe rust ( <i>Puccinia striiformis</i> ) Scald ( <i>Rhynchosporium secalis</i> )	0.4 - 0.6
Rye	Leaf rust ( <i>Puccinia recondita</i> )	0.3 - 0.6
	Powdery mildew ( <i>Erysiphe graminis f. sp. secalis</i> )	0.4 - 0.6

\*DO NOT apply more than 0.4 L/ha by aerial application.

### Leaf Diseases in Cereals

To maximize yield in cereals it is important to protect the flag leaf from disease. Therefore the optimum time to apply a single application of SPADE Fungicide is immediately after flag leaf emergence (GS 37-39). Use 0.4 - 0.6 L/ha of SPADE Fungicide to control spot blotch, stripe rust and powdery mildew in wheat, spot blotch, stripe rust and scald in barley and powdery mildew in rye. Use 0.3 - 0.6 L/ha of SPADE Fungicide to control leaf rust, tan spot, septoria leaf spot in wheat, net blotch in barley and leaf rust in rye.

Use the higher rate to obtain extended protection with maximum yield benefits. If disease persists or weather conditions are favourable for disease development, apply a second time 1014 days later with a fungicide that contains a different mode of action.

**Dried and Succulent Shelled Peas and Beans (including soybean) Application Rate Table (Ground , Aerial)**

<b>Crop*</b>	<b>Disease</b>	<b>Application Rate** (L/ha)</b>
Chickpeas	Ascochyta blight ( <i>Ascochyta spp.</i> )	0.4 – 0.6
Lentils	Anthracnose ( <i>Colletotrichum spp.</i> ) Ascochyta blight ( <i>Ascochyta spp.</i> )	0.4
Dry field peas	Mycosphaerella blight ( <i>Mycosphaerella spp.</i> ) Powdery mildew ( <i>Erysiphe spp.</i> )	0.4
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
Dry beans <i>Phaseolus, spp.</i>	Anthracnose ( <i>Colletotrichum spp.</i> ) Powdery mildew ( <i>Erysiphe spp.</i> ) Rust ( <i>Uromyces spp.</i> )	0.4
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
Dry beans <i>Vigna spp.</i>	Anthracnose ( <i>Colletotrichum spp.</i> ) Mycosphaerella blight ( <i>Mycosphaerella spp.</i> ) Powdery mildew ( <i>Erysiphe spp.</i> ) Rust ( <i>Uromyces spp.</i> )	0.4
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
Dry beans <i>Lupinus spp.</i>	Mycosphaerella blight ( <i>Mycosphaerella spp.</i> ) Powdery mildew ( <i>Erysiphe spp.</i> )	0.4
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
Faba beans	Mycosphaerella blight ( <i>Mycosphaerella spp.</i> ) Powdery mildew ( <i>Erysiphe spp.</i> )	0.4
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
Soybeans	Frog eye leaf spot ( <i>Cercospora sojina</i> ) Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
	Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6
Edible-podded legume vegetables	Angular Leaf Spot ( <i>Phaeoisariopsis griseola</i> )	0.4
Succulent shelled beans and peas	Mycosphaerella blight ( <i>Mycosphaerella spp.</i> ) Rust ( <i>Uromyces spp.</i> ) Ascochyta blight ( <i>Ascochyta spp.</i> ) Asian soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4 - 0.6

\*Complete list of crops:

**Crop Subgroup 6-A: Edible-podded legume vegetables.** Bean (*Phaseolus spp.*) (includes runner bean, snap bean, wax bean); bean (*Vigna spp.*) (includes asparagus bean, Chinese long bean, moth bean, yardlong bean); jack bean; pea (*Pisum spp.*) (includes dwarf pea, pea (*Pisum spp.*), edible pod pea, snow pea, sugar snap pea); pigeon pea; soybean (immature seed); sword bean.

**Crop Subgroup 6-B: Succulent shelled peas and beans.** Bean (*Phaseolus spp.*) (includes lima (green)); broad bean (succulent); bean (*Vigna spp.*) (includes blackeyed pea, cowpea, southern pea); pea (*Pisum spp.*) (includes English pea, garden pea, green pea); pigeon pea.

**Crop Subgroup 6-C: Dried shelled peas and beans (except soybean).** Dried cultivars of bean (*Lupinus spp.*) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); (*Phaseolus spp.*) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean; tepary bean; bean (*Vigna spp.*)

(includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean; lentil; pea (*Pisum spp.*) (includes field pea); pigeon pea.

**\*\*DO NOT apply more than 0.4 L/ha by aerial application.**

Apply SPADE Fungicide at 0.4 - 0.6 L/ha as specified above at the beginning of flowering OR at the onset of symptoms for the more aggressive diseases (e.g. anthracnose in lentils or ascochyta blight in chickpeas). If disease persists or weather conditions are favourable for disease development, apply a second time 10-14 days later with a fungicide that contains a different mode of action. Anthracnose in lentils, ascochyta blight in chickpeas and Asian rust in soybeans all develop quickly once established so early detection is essential to the success of any fungicide program.

**Dry Field Peas Downy Mildew Control**

**NOTE TO USER:** READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than New Agco Inc. under the User Requested Minor Use Label Expansion program. For these uses, New Agco Inc. has not fully assessed performance (efficacy) or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The User 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.

Crop	Disease	Application Rate (L/ha)
Dry field peas	Suppression of Downy mildew ( <i>Peronospora viciae f. sp. pisii</i> )	0.4 – 0.6

Apply SPADE Fungicide at 0.4 – 0.6 L/ha as specified above at the beginning of flowering OR at the onset of symptoms for the more aggressive diseases (e.g., downy mildew in dry field peas). Downy mildew in dry field peas develops quickly once established so early detection is essential to the success of any fungicide program. SPADE Fungicide will not suppress systemic (seed- or soil-borne) downy mildew infection in dry field peas but rather will help to manage secondary foliar infections on the leaves, stems and pods to protect yield during condition conducive to disease. Maximum of one application per crop per season. Pre-Harvest Interval: 30 days

**Potato Application Rate Table (Ground and Aerial Application)**

Crop	Disease	Spray Interval	Application Rate (L/ha)
Potato	Early blight ( <i>Alternaria solani</i> )	7 - 14 days	0.45 - 0.67
	Late blight ( <i>Phytophthora infestans</i> )	5 - 7 days	0.45 - 0.67

Applications of SPADE Fungicide for the control of early blight (*Alternaria solani*) and late blight (*Phytophthora infestans*) should begin prior to row closure or when conditions become favourable for the development of disease (whichever comes first). For early blight use 0.45 to 0.67 L/ha and apply on a 7-14 day interval. For late blight use 0.45 to 0.67 L/ha and apply on a 5-7 day interval.

In order to reduce the selection of less sensitive strains of the target fungi, for early blight control it is recommended that no more than one (1) application of SPADE Fungicide be made before alternating to an effective fungicide with a different mode of action for at least one application. For the control of late blight, do not make more than one application of SPADE Fungicide before alternating to a fungicide with a different mode of action. No more than three (3) applications of SPADE Fungicide should be made per season.

#### Corn Application Rate Table (Ground, Aerial)

Crop	Disease	Application Rate* (L/ha)
Corn (field, sweet, pop, seed types)	Common rust ( <i>Puccinia sorghi</i> ) Gray leaf spot ( <i>Cercospora zeae-maydis</i> )	0.4 - 0.6

\*DO NOT apply more than 0.4 L/ha by aerial application.

For optimal disease control, begin applications of SPADE Fungicide prior to disease development. If disease persists or weather conditions are favourable for disease development, apply a second time 10-14 days later, with a fungicide that contains a different mode of action. Use the higher rate and shorter interval when disease pressure is high.

#### Sugar Beet Application Rate Table (Ground Application)

Crop	Disease	Application Rate (L/ha)
Sugar beets	Cercospora leaf spot ( <i>Cercospora beticola</i> ) Powdery mildew ( <i>Erysiphe betae</i> )	0.67 - 0.9

Apply SPADE Fungicide at 0.67 - 0.9 L/ha at the onset of disease to control cercospora leaf spot and powdery mildew. Use the higher rate when disease pressure is high. If disease persists or weather conditions are favourable for disease development, apply a second time 14 days later, with a fungicide that contains a different mode of action.

#### Grasses Grown for Seed Application Rate Table (Ground , Aerial)

Crop	Disease	Application Rate* (L/ha)
Bluegrasses, fescues, ryegrasses grown for seed	Leaf and stem rust ( <i>Puccinia recondita</i> and <i>graminis</i> ) Powdery mildew suppression ( <i>Erysiphe graminis</i> )	0.4 - 0.67

\*DO NOT apply more than 0.4 L/ha by aerial application.

For optimal disease control, begin applications prior to disease development at 0.4 - 0.67 L/ha of SPADE Fungicide. If disease persists or weather conditions are favourable for disease development, apply a second time 14-21 days later, with a fungicide that contains a different mode of action. Use the higher rate and shorter interval when disease pressure is high.

### Alfalfa Application Rate Table (Ground, Aerial)

Alfalfa grown for seed production in Manitoba, Saskatchewan, Alberta, and the Peace River Region of British Columbia

Crop	Disease	Application Rate (L/ha)
Alfalfa for seed production	Common Leaf Spot ( <i>Pseudopeziza medicaginis</i> )	0.4

For optimal disease control, apply SPADE Fungicide at the beginning of flowering (10-30% bloom) or the onset of disease. Do not make more than 1 application per year.

### Timothy (Ground and Aerial)

**NOTE TO USER:** READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS. The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than New Agro Inc. under the User Requested Minor Use Label Expansion program. For these uses, New Agro Inc. has not fully assessed performance (efficacy) or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user 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.

Crop	Disease	Application Rate* (L/ha)
Timothy	Brown stripe ( <i>Cercosporidium graminis</i> ) Leaf streak ( <i>Drechslera phlei</i> ) Purple eye spot ( <i>Cladosporium phlei</i> )	0.4 - 0.67

For optimal disease control, begin applications prior to disease development at 0.4 - 0.67 L/ha of SPADE Fungicide. Use the higher rate when disease pressure is high. If disease persists or weather conditions are favourable for disease development, apply a second time 14 days later, with a fungicide that contains a different mode of action. In the absence of an alternative fungicide registered for the specific diseases to be treated, for resistance management purposes, the maximum number of applications is limited to one.

\*DO NOT apply more than 0.4 L/ha by aerial application

### **Ground Application**

Apply SPADE Fungicide at rates listed in application rate and timing table (crop specific) when conditions are favourable for the development of disease. Use a minimum water volume of 100 L/ha on cereals, soybeans, legume vegetables, pulses, corn, alfalfa, grasses grown for seed and 200 L/ha on potatoes and sugar beets. Ensure thorough coverage of foliage. Consult nozzle manufacturers recommendation for spray pressures for specific nozzles.

### **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 and Biological Engineers (ASABE) medium classification. Boom height must be 60 cm or less above the crop or ground.

### **Aerial Application**

Apply SPADE Fungicide at rates listed in application rate and timing table (crop specific) when conditions are favourable for the development of disease. Use a minimum water volume of 50 L/ha. Ensure thorough coverage of foliage. Consult nozzle manufacturers recommendation for spray pressures for specific nozzles.

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 and Biological Engineers (ASABE) 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.

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.

### **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 AgraCity Crop & Nutrition Ltd. at 1-844-269-3276 or obtain technical advice from your provincial agricultural representative.

**Additives**

Do not use additives or adjuvants unless otherwise specified.

**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:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer*	Cereals (wheat, barley, rye), legumes, pulses, soybean, corn, grasses for seed, alfalfa (for seed), timothy		5	1	1	1
	Potatoes, sugar beet		10	3	1	1
Aerial	alfalfa (for seed production)	Fixed and rotary wing	80	10	1	1
	Cereals (wheat, barley, rye), legumes, pulses, soybean, corn, grasses for seed, timothy	Fixed and rotary wing	95	10	3	1



	Potatoes (early blight)	Fixed and rotary wing	275	30	10	10
	Potatoes (late blight)	Fixed and rotary wing	325	30	10	10

\*For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

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 (ASABE) category indicated on the labels for those tank mix partners.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

### Mode of Action

Pyraclostrobin, the active ingredient of SPADE Fungicide, belongs to the group of respiration inhibitors classified by the EPA and PMRA as Quinone Outside Inhibitors (QoI), or Target Site of Action Group 11 Fungicides.

### Resistance management

SPADE Fungicide contains pyraclostrobin, a Group 11 fungicide, and is effective against pathogens resistant to fungicides with modes of action different from those of QoI fungicides (Target site Group 11), such as for example dicarboximides, sterol inhibitors, benzimidazoles, or phenylamides. Fungal isolates with acquired resistance to Group 11 fungicides, such as pyraclostrobin, azoxystrobin, trifloxystrobin, and kresoxim-methyl, may eventually dominate the fungal population if Group 11 fungicides are used predominantly and repeatedly in the same field in successive years as the primary method of control for the targeted pathogen species. This may result in reduction of disease control by SPADE Fungicide or other Group 11 fungicides.

The following recommendations may be considered to delay the development of fungicide resistance:

1. **Applications: DO NOT** apply more than one (1) application before rotating to another mode of action for at least one application. Adhere to the label instructions regarding the consecutive use of SPADE Fungicide or other target site of action Group 11 fungicides that have a similar site of action on the same pathogens. To maintain the performance of SPADE Fungicide in the field, do not exceed the total number of sequential applications of SPADE Fungicide and the total number of applications of SPADE Fungicide per season as stated below in the Restrictions and Limitations table.
2. **IPM:** SPADE Fungicide should be integrated into an overall disease and pest management program. Cultural practices known to reduce disease development should be followed. Consult your local extension specialist, certified crop advisor and/or AgraCity Crop & Nutrition Ltd. for additional IPM strategies established for your area. SPADE Fungicide may be used in Agricultural Extension advisory (disease forecasting) programs, which recommend application timing based on environmental factors favourable for disease development.
3. **Monitor:** Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development.
4. **Reporting:** If a Group 11 target site fungicide, such as SPADE Fungicide, appears to be less or no longer effective against a pathogen that it previously controlled or suppressed, contact an

AgraCity Crop & Nutrition Ltd-representative at 1-844-269-3276 or at [www.agracity.com](http://www.agracity.com), and a certified crop advisor will assist in determining the cause of reduced performance.

## MIXING

1. Clean spray tank following sprayer clean-up recommendations on the label of the product applied previously.
2. Fill the spray tank one-half full of water and start agitation.
3. Add the required amount of the tank mix partner.
4. Add the required amount of SPADE Fungicide to the tank.
5. Continue agitation while filling the remainder of the spray tank with water.
6. After use, clean the spray tank.

## RESTRICTIONS AND LIMITATIONS

1. Crop Rotation Restrictions: Crops listed on the SPADE Fungicide label may be planted immediately following the last application. All other crops can be planted 14 days after last application.
2. Crop preharvest interval and application limitation:

Crop	Application to harvest interval (days)	Maximum number of applications per year	Maximum number of sequential applications
Barley, rye and wheat	Apply no later than the end of flowering	2	1
Dry beans	30	2	1
( <i>Phaseolus</i> , <i>Vigna</i> and <i>Lupinus</i> spp.), faba beans, lentils, dry field peas			
Chickpeas	30	2	1
Bluegrasses, fescues and ryegrasses grown for seed	14	2	1
Corn	7	2	1
Edible-podded legume vegetables	7	2	1
Potatoes	3	3	1
Soybeans	21	2	1
Succulent shelled beans and peas	7	2	1
Sugar beets	7	4	1
Timothy	14	2	1

3. DO NOT feed alfalfa hay or forage to livestock. All other crops can be grazed or fed to livestock. DO NOT graze treated corn crops within 6 days of last application.

## ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms, non-target terrestrial plants 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.

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Fatal or poisonous if swallowed.
3. Severely irritating to the eyes and skin. **DO NOT** get in eyes or on skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. During mixing/loading/clean-up and repair, wear chemical-resistant gloves, goggles or face shield and coveralls over a long-sleeved shirt and long pants, socks and foot wear. Wear a long sleeved shirt, long pants, chemical-resistant gloves, socks and footwear during application. Gloves are not required for an applicator in an enclosed cab.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. 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, application equipment and sprayer settings.
9. This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
10. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours. For CORN: **DO NOT** enter or allow worker entry into treated areas within 10 days after application to carry out hand harvesting or detasseling activities.
11. Custom applicators must use ground boom equipment with an enclosed cab. 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.

## FIRST AID

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**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.

**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.

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

## **TOXICOLOGICAL INFORMATION**

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. The patient should be treated symptomatically.

## **STORAGE**

1. Store in original tightly closed container. Protect from freezing.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

## **DISPOSAL**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact AgraCity Crop & Nutrition Ltd. or your local municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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

### **For Returnable Containers**

Do not reuse this container for any purpose. For disposal, this container may be returned to AgraCity Crop & Nutrition Ltd.

### **For Refillable Containers**

For disposal, this container may be returned to AgraCity Crop & Nutrition Ltd. It must be refilled by AgraCity Crop & Nutrition Ltd. with the same product. Do not reuse this container for any other purpose.

### **For Non-Returnable containers**

Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 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 disposal of unused, unwanted product, contact AgraCity Crop & Nutrition Ltd. or the provincial regulatory agency. Contact AgraCity Crop & Nutrition Ltd. and the provincial regulatory agency in case of a spill, and for clean-up of spills.

#### **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.

SPADE® is a trademark of AgraCity Crop & Nutrition Ltd. or its affiliates.

®All other products mentioned are trademarks of their respective holders.

# SPADE® Fungicide

GROUP	11	FUNGICIDE
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Broad spectrum fungicide for use in cereals, corn, edible-podded legume vegetables (Crop Subgroup 6-A), succulent shelled beans and peas (Crop Subgroup 6-B), dried shelled peas and beans (Crop Subgroup 6-C including pulses such as chickpea, lentils, dry field peas), soybeans, potatoes, sugar beets, bluegrasses, fescues and ryegrasses grown for seed and alfalfa for seed production (in Manitoba, Saskatchewan, Alberta and the Peace River Region of British Columbia) and Timothy

EMULSIFIABLE CONCENTRATE

## COMMERCIAL (AGRICULTURAL)

**ACTIVE INGREDIENT:** Pyraclostrobin ..... 250 g/L

WARNING: contains the allergen soy.

REGISTRATION NO. **32927** PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND ATTACHED BROCHURE BEFORE USING**  
**KEEP OUT OF REACH OF CHILDREN**



**DANGER**

**POISON**

**DANGER - SKIN AND EYE IRRITANT**

**NET CONTENTS:** 1 L - Bulk

**For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887**

New Agco Inc.  
320 – 22<sup>nd</sup> Street East  
Saskatoon, SK S7K 0H1  
1-844-269-3276

**Distributed by:**  
AgraCity Crop & Nutrition Ltd.  
320 – 22<sup>nd</sup> Street East  
Saskatoon, SK S7K 0H1  
1-844-269-3276

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## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Fatal or poisonous if swallowed.
3. Severely irritating to the eyes and skin. **DO NOT** get in eyes or on skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. During mixing/loading/clean-up and repair, wear chemical-resistant gloves, goggles or face shield and coveralls over a long-sleeved shirt and long pants, socks and foot wear. Wear a long sleeved shirt, long pants, chemical-resistant gloves, socks and footwear during application. Gloves are not required for an applicator in an enclosed cab.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. 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, application equipment and sprayer settings.
9. This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
10. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours. For CORN: **DO NOT** entre or allow worker entry into treated areas within 10 days after application to carry out hand harvesting or detasseling activities.
11. Custom applicators must use ground boom equipment with an enclosed cab. 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.

## ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms, non-target terrestrial plants 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.

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

## FIRST AID

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**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.

**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.

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

## **TOXICOLOGICAL INFORMATION**

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. The patient should be treated symptomatically.

## **STORAGE**

1. Store in original tightly closed container. Protect from freezing.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

## **DISPOSAL**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact AgraCity Crop & Nutrition Ltd. or your local municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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

### **For Returnable Containers**

Do not reuse this container for any purpose. For disposal, this container may be returned to AgraCity Crop & Nutrition Ltd.

### **For Refillable Containers**

For disposal, this container may be returned to AgraCity Crop & Nutrition Ltd. It must be refilled by AgraCity Crop & Nutrition Ltd. with the same product. Do not reuse this container for any other purpose.

### **For Non-Returnable containers**

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