

Container label

GROUP **3** FUNGICIDE

IPCO[®]

Pivot[®] 418 EC

FUNGICIDE

COMMERCIAL

Emulsifiable concentrate for broad-spectrum disease control in: Wheat, Barley, Oats, Canola, Corn, Soybeans (grown for seed), Dry Edible Beans, Canary Seed (suppression of Septoria Leaf Mottle), Peaches, Nectarines, Plums, Sweet Cherries, Sour Cherries, Apricots, Highbush and Lowbush Blueberries, Saskatoon Berries, Cranberries, Caneberries, Strawberries, Rutabagas, Asparagus, Western Red Cedar, and Kentucky Bluegrass (grown for seed).

FOR SALE FOR USE ON TIMOTHY HAY IN THE PRAIRIE PROVINCES ONLY.

GUARANTEE:

Propiconazole..... 418 g/L

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

REGISTRATION NO.: 28219
PEST CONTROL PRODUCTS ACT

WARNING



POISON

EYE AND SKIN IRRITANT
POTENTIAL SKIN SENSITIZER

Net Contents: 1.2L, 2.4L, 4.8L, 9.6L

Interprovincial Cooperative Limited,
P.O. Box 1050, Saskatoon, Saskatchewan, S7K 3M9
1-204-233-3461

RC 588-0614

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:

Contains petroleum distillates at greater than 10%. DO NOT induce vomiting. Contact a poison control centre or a physician, taking the labelled container with you.

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 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 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:

There is no specific antidote for this product. Apply symptomatic therapy. This product contains PETROLEUM DISTILLATES. Vomiting may cause aspiration pneumonia.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist or vapours. Harmful or fatal if swallowed, inhaled or absorbed through the skin. Causes eye and skin irritation. This product may cause skin-sensitization reactions in certain individuals.

For all uses of IPCO PIVOT 418 EC, wear long pants, a long-sleeve shirt, chemical resistant footwear, socks, overalls and chemical resistant gloves during mixing/loading, application, clean-up and repair activities. Wear protective goggles or face shield when handling the concentrated product. The wearing of neoprene gloves by pilots when entering the aircraft is essential. Mechanical flagging devices must be used.

Do not eat, drink or smoke during work; wash hands and face thoroughly before doing so. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes.

After work, change clothing and wash entire body thoroughly. Wash contaminated working clothes separately from other laundry before reuse. Do not contaminate food or feed.

DO NOT allow entry into treated area until dry or for 12 hours; whichever is greater, following application. See the **DIRECTIONS FOR USE** section for crop specific restricted entry intervals.

NOTE: Do not graze animals on green crops treated with IPCO PIVOT 418 EC.

This product contains a petroleum distillate, which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web-site at www.croplife.ca.

STORAGE:

To prevent contamination, store this product away from food or feed.

DISPOSAL OF UNUSED, UNWANTED PRODUCT:

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.

CONTAINER DISPOSAL:

For recyclable containers: DO NOT reuse this container for any other 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. Dispose of the rinsings in accordance with provincial requirements.
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 refillable containers: For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING CALL 1-613-996-6666.

ENVIRONMENTAL HAZARDS:

TOXIC to aquatic organisms and non-target terrestrial plants. To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application of this product 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 IPCO PIVOT 418 EC may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow. Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application sites such as hedgerows and woodland. Observe buffer zones specified under DIRECTIONS FOR USE.

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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.

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Do not eat, drink or smoke during work; wash hands and face thoroughly before doing so. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes.

After work, change clothing and wash entire body thoroughly. Wash contaminated working clothes separately from other laundry before reuse. Do not contaminate food or feed.

DO NOT allow entry into treated area until dry or for 12 hours; whichever is greater, following application. See the **DIRECTIONS FOR USE** section for crop specific restricted entry intervals.

NOTE: Do not graze animals on green crops treated with IPCO PIVOT 418 EC.

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STORAGE:

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DISPOSAL OF UNUSED, UNWANTED PRODUCT:

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For refillable containers: For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING CALL 1-613-996-6666.

ENVIRONMENTAL HAZARDS:

TOXIC to aquatic organisms and non-target terrestrial plants. To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application of this product 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 IPCO PIVOT 418 EC may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application sites such as hedgerows and woodland. Observe buffer zones specified under DIRECTIONS FOR USE.

DIRECTIONS FOR USE:

This product is not to be used around homes or other residential areas such as parks, school grounds, or playing fields. It is not for use by homeowners or other unlicensed users.

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use this product to control aquatic pests. **DO NOT** apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.

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

DO NOT use in greenhouses.

DO NOT allow entry into treated area until dry or for 12 hours; whichever is greater, following application. See the **DIRECTIONS FOR USE** section for crop specific restricted entry intervals.

NOTE: Do not graze animals on green crops treated with IPCO PIVOT 418 EC.

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 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 rotor span.

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:				Terrestrial Habitat
			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*	Rutabagas, cranberries, strawberries, asparagus, Kentucky bluegrass, Western cedar, Beans, soybeans, corn, wheat, oats, canary seed, canola, barley , Timothy Hay		1	0	1	1	1
Airblast	Cherries	Early Growth Stage	5	0	10	3	10
		Late Growth Stage	2	0	4	2	4
	Blueberries, apricots, nectarines, peaches, plums, Saskatoon berries, Caneberries	Early Growth Stage	4	0	5	2	5
		Late Growth Stage	2	0	3	1	3
Aerial	beans, corn, oats, wheat, barley , , blueberries, Kentucky bluegrass	Fixed Wing	1	0	3	1	20
		Rotary wing	1	0	1	1	20

*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 or curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where the 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%.

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.

GENERAL INFORMATION:

Introduction: IPCO PIVOT 418 EC is a broad-spectrum systemic fungicide for control of a wide range of diseases on certain crops. IPCO PIVOT 418 EC will protect the crop from yield and quality losses due to disease. IPCO PIVOT 418 EC may be used in conjunction with higher seeding rates, higher fertilizer inputs, plant growth regulators and other fungicides as required. (See "NOTE" under PRECAUTIONS)

Crop Information: IPCO PIVOT 418 EC may be applied to:

- Winter Wheat
- Spring Wheat (including Hard Red, Durum, Canada Prairie, Soft White)
- Spring Barley
- Oats
- Canola
- Corn (including Field, Seed and Sweet)
- Soybeans (grown for seed)
- Canary Seed
- Dry Edible Beans (including kidney, navy and white bean)
- Timothy Hay
- Peaches
- Nectarines
- Plums
- Cherries (Sweet and Sour)
- Apricots
- Berries (Highbush and Lowbush Blueberries, Saskatoon Berries, Cranberries, Caneberries and Strawberries)
- Rutabagas
- Asparagus
- Western Red Cedar
- Kentucky Bluegrass (grown for seed)

Diseases Controlled:

Crop	Diseases
Winter Wheat and Spring Wheat (including Hard Red, Durum, Canada Prairie, Soft White)	Septoria Leaf Spot; Septoria Glume Blotch; Powdery Mildew; Leaf and Stem Rust; Tan Spot; Stripe Rust
Spring Barley	Net Blotch; Spot Blotch; Scald; Powdery Mildew; Septoria Leaf Spot; Leaf Rust; Stem Rust
Oats	Septoria Leaf Blotch; Crown Rust
Canola	Blackleg
Corn (including Hard Red, Durum, Canada Prairie and Soft White)	Rusts, Northern Corn Leaf Blight, Southern Corn Leaf Blight, Helminthosporium Leaf Spot, Eye Spot, Grey Leaf Spot
Soybeans (grown for seed)	Frogeye Leaf Spot (<i>Cercospora spp.</i>), Aerial Web Blight (<i>Rhizoctonia solani</i>)
Canary Seed	Septoria Leaf Mottle
Dry Edible Beans (including kidney,	Rust

navy and white beans)	
Timothy	Purple eyespot (<i>Cladosporium phlei</i>)
Cranberries	Cottonball (<i>Monilinia oxycocci</i>)
Kentucky Bluegrass (grown for Seed)	Powdery Mildew
Lowbush Blueberries	Monilinia Blight (Mummyberry)
Highbush Blueberries	Mummyberry (<i>Monilinia vaccinii – corymbosi</i>)
Peaches, Nectarines, Plums, Apricots	Brown Rot Blossom Blight, Fruit Brown Rot
Sweet and Sour Cherries	Brown Rot Blossom Blight, Fruit Brown Rot, Cherry Leaf Spot (<i>Blumeriella jaapii</i>)
Plums and Sour Cherries	Black Knot (<i>Apiosporina morbosa</i>) [suppression only]
Rutabagas	Powdery Mildew
Asparagus	Rust (<i>Puccinia asparagi</i>)
Saskatoon Berries	Entomosporium Leaf and Berry Spot, Saskatoon Juniper Rust
Caneberries	Yellow Rust
Strawberries	Leaf spot (<i>Mycosphaerella fragariae</i>)
Western Red Cedar	Keithia Foliar Blight

Factors Affecting IPCO PIVOT 418 EC Performance: IPCO PIVOT 418 EC should be applied as a preventative disease control measure. Established diseases are more difficult to control and may have already reduced crop vigour.

If rainfall occurs within one hour of application, reapplication is necessary.

AERIAL APPLICATION:

DO NOT apply when wind speed is greater than 16 km/h at flying height at the site of application. High humidity and low temperatures (10 – 20°C) allow for a better deposition of spray droplets.

SPRAYER AND APPLICATION INFORMATION:

The performance of this product depends on correct application. Follow the guidelines given below for optimal application of IPCO PIVOT 418 EC.

Sprayer Information:

	GROUND APPLICATION	AERIAL APPLICATION
Spray Volume	Minimum 200 L of water per hectare	40 - 50 L of water per hectare
Spray Pressure	200 - 300 kPa	100 - 200 kPa
Nozzle Type	110° Flat Fan (XR11004, 4110-20)	Flat Fan 6510-6515 or Hollow Cone (D8-45)
Droplet Size	Medium Spray (300 - 400 microns VMD)	Medium Spray (350 - 400 microns VMD)
Ground Speed	10 km/h	n/a
Nozzle Angle	90° (straight down)	90° (straight down)
Boom Height	40-50 cm above the crop canopy	2-3 m above the crop canopy

Ground Application:

Mixing and Spraying Instructions:

- Spray equipment should be thoroughly flushed with clean water before mixing IPCO PIVOT 418 EC.
- Fill spray tank 1/2 full with clean water. Engage gentle agitation.
- Add the required amount of IPCO PIVOT 418 EC and agitate thoroughly.
- Continue filling the tank with water until the tank is 9/10 full and, if applicable, add the required amount of tank mix partner.
- Complete filling the spray tank with water, maintaining agitation during mixing and spraying operations.
- Use nozzle screens no finer than 50 mesh. Keep by-pass line on or near the bottom of the tank to minimize foaming.

Aerial Application:

Mixing and Spraying Instructions:

- Spray equipment should be thoroughly flushed with clean water before mixing IPCO PIVOT 418 EC.
- Fill pre-mix tank 1/2 full with clean water. Engage gentle agitation.
- Add the required amount of IPCO PIVOT 418 EC and agitate thoroughly.
- Continue filling the tank with water until the tank is 9/10 full and, if applicable, add the required amount of tank mix partner.
- Complete filling the premix tank with water.
- Maintain gentle agitation during mixing.
- Transfer the premix contents into the aircraft spray tank.
- Maintain sufficient agitation during the mixing and spraying operation to ensure IPCO PIVOT 418 EC remains in suspension.
- Use nozzle screens no finer than 50 mesh. Keep by-pass line on or near the bottom of the tank to minimize foaming.

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 a 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.

AERIAL APPLICATION 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. 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. Avoid application of this product when winds are gusty.

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.

PRODUCT SPECIFIC PRECAUTIONS:

Read and understand the entire label before opening this product. If you have questions call the manufacturer at 1-204-233-3461 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:

- Apply the recommended rate in a minimum spray volume of 40 litres per hectare.
- DO NOT apply when wind speed is greater than 16 km/h at flying height at the site of application.
- High humidity and low temperatures (10 – 20 ° C) allow for a better deposition of spray droplets.

Fertilizer:

Mixing and Spraying Instructions:

If desired, small amounts of nitrogen may be applied with IPCO PIVOT 418 EC. The appropriate amount of urea can be dissolved in water and added to the spray tank before adding IPCO PIVOT 418 EC. The rate of actual nitrogen must not exceed 10 kg/ha.

CAUTION: Excessive nitrogen concentrations may injure the crop.

NOTE: DO NOT add nitrogen when tank-mixing IPCO PIVOT 418 EC with a herbicide.

WHEAT, BARLEY AND OATS SPRAY SCHEDULE

<p>INSTRUCTIONS FOR USE: Apply IPCO PIVOT 418 EC at the very early stages of disease. This could occur anytime during tillering or stem elongation. Typically, an application from the beginning of stem elongation up to flag leaf emergence is required. IPCO PIVOT 418 EC lasts about three weeks in the plant. If conditions favourable to disease continue after this length of time, another application will be necessary to maintain control. The second spray is usually applied at the time of head emergence. In most cases, this second application is essential to maintain control of the <i>Septoria</i> disease complex. LAST APPLICATION MUST BE MADE PRIOR TO 45 DAYS BEFORE HARVEST (45 day PHI).</p>	
CROP/DISEASES	<p>WHEAT: Septoria Leaf Spot, Tan Spot SPRING BARLEY: Net Blotch</p>
RATE/HA	150 - 300 mL
EARLY Application	At G.S. 12-23 (as early as the two leaf stage). For early season disease suppression, use the lower rate for suppression under normal field conditions. Use the higher rate for control if there is a history of high disease pressures in the field and/or field conditions favour disease development.
LATER Application	At the first sign of disease (G.S. 29-37) or before head is half emerged (G.S. 49- 55). Apply only the high rate on any application from G.S. 29-55.
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	2
CROP/DISEASES	<p>WHEAT: Septoria Leaf Spot and Glume Blotch, Powdery Mildew, Leaf and Stem Rust, Tan Spot, Stripe Rust SPRING BARLEY: Net Blotch, Spot Blotch, Scald, Powdery Mildew, Septoria Leaf Spot, Leaf and Stem Rust OATS: Septoria Leaf Blotch, Crown Rust</p>
RATE/HA	300 mL
EARLY Application	At the first sign of disease, usually at the beginning of stem elongation (G.S. 29- 37).
LATER Application	Before head is half emerged (G.S. 49-55).

HERBICIDE TANK-MIXING - WHEAT & BARLEY:

IPCO PIVOT 418 EC can be tank-mixed with ONLY ONE of these herbicides:

2,4-D Amine	HORIZON 240EC Herbicide TANK MIX(Wheat only)
MCPA Amine	Pardner [®]
Buctril [®] M	Brotex [®] 240
Logic [®] M	Bromotril [®] 240 EC
Badge [®]	

Tank-mixing Precautions:

- Do not tank-mix IPCO PIVOT 418 EC with herbicides for application onto Oats.
- Weeds and crops must be at the correct stage of growth as specified in both the IPCO PIVOT 418 EC label and the tank mix partner label.
- 2,4-D Amine and MCPA Amine formulations may be applied either by ground application or aerial application; tank-mixtures of IPCO PIVOT 418 EC and Logic M /Badge/Buctril M or Brotex 240 /Bromotril 240 EC/Pardner can only be applied by ground application.
- Consult the label of the herbicide partner for a list of weeds controlled under directions for use and precautions.
- When tank mixing, adhere to the most restrictive label limitations and precautions.
- Compatibility should always be confirmed by premixing small proportional quantities of water, IPCO PIVOT 418 EC, and the tank-mix partner in advance.

NOTE: Do not graze animals on treated green crops within three days of application of IPCO PIVOT 418 EC. Do not feed straw from crops treated with herbicide tank mixes to livestock.

HERBICIDE TANK-MIXING – WHEAT ONLY:

FOR USE ONLY IN THE PRAIRIE AND PEACE RIVER, OKANAGAN AND CRESTON FLATS REGIONS OF BRITISH COLUMBIA.

IPCO PIVOT 418 EC can be tank-mixed with HORIZON 240EC Herbicide TANK MIX for disease and grassy weed control.

Tank-mixing Precautions:

- Do not apply by air.
- Consult the label of HORIZON 240EC Herbicide TANK MIX for a list of weeds controlled, directions for use and precautions.
- Apply prior to emergence of the 4th tiller (herbicide timing).

TIMOTHY SPRAY SCHEDULE

INSTRUCTIONS FOR USE: Apply IPCO PIVOT 418 EC at the very early stages of disease. If conditions favourable to disease continue after this length of time, another application will be necessary to maintain control. DO NOT APPLY BY AIR.	
DISEASE	Purple eyespot
RATE/HA	300 ml
EARLY Application	At the first sign of disease, usually at the beginning of flowering (G.S. 59-61).
LATER Application	Full flowering (G.S. 65-73).
Minimum Interval between Applications	14 days
Maximum Seasonal Application Rate	2 applications at 300 mL/ha (600 mL/ha in a season).
LAST APPLICATION MUST BE MADE PRIOR TO 14 DAYS BEFORE HARVEST (14 day PHI).	

CANOLA SPRAY SCHEDULE

INSTRUCTIONS FOR USE: IPCO PIVOT 418 EC will control blackleg and enhance yield potential during the early stages of canola growth. The disease may reappear later in the season, but with minimal effect on yield.				
DISEASE	RATE/HA	REMARKS / TIMING		
Blackleg	300 mL	Apply during the rosette stage: between 2 nd true leaf and bolting.		
		Seedling	Rosette	Bud (Bolted)
		Stage 1	Stage 2	Stage 3
LAST APPLICATION MUST BE MADE AT LEAST 60 DAYS BEFORE HARVEST (60 day PHI).				

TANK-MIXING – SEED CORN, FIELD CORN and SWEET CORN

IPCO PIVOT 418 EC can be tank-mixed with ONLY ONE of the following partners:

MATADOR[®] 120EC
 WARRIOR[®] INSECTICIDE
 RIPCORN[®]

Tank-mixing Precautions:

- DO NOT APPLY THE TANK MIX WITH WARRIOR INSECTICIDE BY AIR.
- The tank mix of IPCO PIVOT 418 EC + MATADOR 120EC or IPCO PIVOT 418 EC + RIPCORN can be applied by air and ground. Use 40 L of water per hectare when applying by air.
- Insects and crops must be at the correct stage as specified on the IPCO PIVOT 418 EC as well as MATADOR 120EC, WARRIOR INSECTICIDE and RIPCORN labels. Follow the directions for use and precautions on all labels.
- A PHI of 14 days must be respected when using these tank-mixes on field and sweet corn.

- Compatibility should always be confirmed by premixing small proportional quantities of water, IPCO PIVOT 418 EC, and the tank-mix partner in advance.

SEED CORN, FIELD CORN AND SWEET CORN SPRAY SCHEDULE

DISEASES	Rusts
RATE/HA IPCO PIVOT 418 EC alone	300 mL
RATE/HA Tank Mix partner	+ 83 mL MATADOR 120 EC or 83 mL WARRIOR INSECTICIDE or 175 mL RIPCORD
REMARKS	Apply 300 mL/ha of IPCO PIVOT 418 EC when rust pustules first appear. Under severe disease pressure, make a second application 14 days after. Seed corn only: under severe disease pressure, make a third application 14 days after. DO NOT apply the tank mix with WARRIOR Insecticide by air.
DISEASES	Northern Corn Leaf Blight Southern Corn Leaf Blight Helminthosporium Leaf Spot
RATE/HA IPCO PIVOT 418 EC alone	150 - 300 mL
RATE/HA Tank Mix partner	+ 83 mL MATADOR 120EC or 83 mL WARRIOR INSECTICIDE or 175 mL RIPCORD
REMARKS	Apply 150 – 300 mL/ha of IPCO PIVOT 418 EC when disease first appears. Use the 150 mL rate if disease pressure is low. DO NOT apply the tank mix with WARRIOR INSECTICIDE by air.
DISEASES	Eye Spot Grey Leaf Spot
RATE/HA IPCO PIVOT 418 EC alone	300 mL
RATE/HA Tank Mix partner	+ 83 mL MATADOR 120EC or 83 mL WARRIOR INSECTICIDE or 175 mL RIPCORD
REMARKS	Apply 300 mL of IPCO PIVOT 418 EC per hectare when disease first appears. DO NOT apply the tank mix with WARRIOR INSECTICIDE by air.
A restricted entry interval of 1 day is required for workers hand-harvesting and detasseling treated corn (1 day REI).	

SOYBEANS GROWN FOR SEED SPRAY SCHEDULE

DISEASE	Frogeye Leaf Spot (<i>Cercospora spp.</i>) Aerial Web Blight (<i>Rhizoctonia solani</i>)
RATE/HA	300 - 455 mL
REMARKS	Apply 300 - 455 mL of IPCO PIVOT 418 EC per hectare, using ground application equipment only, when disease first appears. Under severe disease pressure, make a second application 14 days after the first application. Do not harvest soybeans within 50 days of the last application (50 day PHI). For use only on soybeans grown for seed. Harvested soybean seed should not be used for human food or animal feed.

CANARY SEED SPRAY SCHEDULE

DISEASE	Septoria leaf mottle
RATE/HA	300 mL
REMARKS	For the suppression of Septoria leaf mottle; make one application at emergence of flag leaf; ground application only; apply in 200 L water/ha.

DRY EDIBLE BEANS SPRAY SCHEDULE

DISEASE	Rust
RATE/HA	300 mL
REMARKS	Apply 300 mL of IPCO PIVOT 418 EC in minimum of 200 L of water per hectare by ground application or in 40 to 50 L of water per hectare by aerial application at the first detection of disease in the field and a second application 14 to 21 days later. APPLY A MAXIMUM OF 2 APPLICATIONS PER SEASON OF IPCO PIVOT 418 EC TO DRY EDIBLE BEANS. DO NOT APPLY WITHIN 28 DAYS OF HARVEST (28 day PHI).

**PEACHES, NECTARINES, PLUMS, SWEET & SOUR CHERRIES, AND APRICOTS
SPRAY SCHEDULE**

DISEASE	Brown Rot, Blossom Blight
RATE/HA	300 mL
REMARKS	Apply 300 mL of IPCO PIVOT 418 EC in a minimum of 500 L of water per hectare. Make 1 st application at early bloom with a 2 nd application at 50% - 75% bloom. If disease conditions persist, make a 3rd application at petal fall.
DISEASE	Fruit Brown Rot
RATE/HA	300 mL
REMARKS	Apply no more than 2 applications in the 3 weeks prior to harvest. Apply 300 mL of product in a minimum of 500 L of water per hectare by ground.
DISEASE	Cherry Leaf Spot (<i>Blumeriella jaapii</i>)-sweet and sour cherries
RATE/HA	300 mL
REMARKS	Apply a maximum of 3 applications per season for control of Cherry Leaf Spot. Make the 1st application at petal fall. In the 3 weeks prior to harvest make a 2 nd and 3 rd application at a 7- 10 day interval. Do not apply within 3 days of harvest. Apply 300 mL of product in a minimum of 500 L of water per hectare by ground.
DISEASE	Suppression of Black Knot (Plums and Sour Cherries ONLY)
RATE/HA	300 mL
REMARKS	Apply 300 mL of IPCO PIVOT 418 EC in a minimum of 500 L of water per hectare by ground. Make 1st application at early bloom with a 2nd application at 50% - 75% bloom. If disease conditions persist, make a 3rd application at petal fall.
<p>DO NOT APPLY WITHIN 3 DAYS OF HARVEST (3 day PHI). DO NOT REENTER TREATED AREAS WITHIN 3 DAYS OF APPLICATION (3 day REI). IF REQUIRED, INDIVIDUALS MAY REENTER TREATED AREAS WITHIN 3 DAYS OF APPLICATION FOR SHORT TERM TASKS WHICH DO NOT REQUIRE HAND LABOUR IF AT LEAST 4 HOURS HAVE PASSED SINCE APPLICATION AND PROVIDED LONG PANTS, LONG-SLEEVED SHIRTS, AND CHEMICAL-RESISTANT GLOVES ARE WORN.</p> <p>FOR SOUR CHERRIES:</p> <p>a) It is recommended that no more than 2 consecutive applications of IPCO PIVOT 418 EC be made before switching to another fungicide with a different mode of action according to disease management practices. b) Apply a MAXIMUM of 5 APPLICATIONS PER SEASON of IPCO PIVOT 418 EC.</p>	

HIGHBUSH BLUEBERRY - SPRAY SCHEDULE

DISEASE	Mummyberry (<i>Monilinia vaccinii-corymbosi</i>)
RATE/HA	300 mL
REMARKS	Apply 1 st application at or near flower bud swelling; make a 2 nd application at leaf bud swelling. Apply by ground only, making no more than two applications per year. In BC only, apply by ground, a 3 rd application at pink bloom and a 4 th application 7 to 10 days later at early bloom, making no more than 4 applications per year. Use a minimum of 200 L of water per hectare.
LAST APPLICATION MUST BE MADE AT LEAST 60 DAYS BEFORE HARVEST (60 day PHI). A restricted entry interval of 5 days is required for workers hand pruning highbush blueberries (5 day REI).	

LOWBUSH BLUEBERRY - SPRAY SCHEDULE

DISEASE	Monilinia Blight
RATE/HA	300 mL
REMARKS	Apply 1 st application when flower bud scales first appear and make a 2 nd application 10 days later. Use ground application or aerial application equipment, making no more than two applications per year. Use a minimum of 200 L of water per hectare if applying by ground equipment; use 40 – 50 L of water per hectare if applying by air.
LAST APPLICATION MUST BE MADE AT LEAST 60 DAYS BEFORE HARVEST (60 day PHI).	

SASKATOON BERRY - SPRAY SCHEDULE

DISEASE	Entomosporium Leaf and Berry Spot and Saskatoon Juniper Rust
RATE/HA	300 mL
REMARKS	As a foliar spray, apply up to three applications per season. The 1 st application to occur at “white tip”, the 2 nd application at “petal fall”, and the 3 rd application at “green fruit”. Apply 300 mL in a minimum of 200 L of water per hectare by ground, applying to runoff.
LAST APPLICATION MUST BE MADE AT LEAST 38 DAYS BEFORE HARVEST (38 day PHI).	

CRANBERRY - SPRAY SCHEDULE

DISEASE	Cottonball (<i>Monilinia oxycocci</i>)
RATE/HA	300 mL
REMARKS	Apply the 1 st application at leaf bud break. Make a 2 nd application 10 – 14 days later, a 3 rd application at early bloom and a 4 th application 10 – 14 days after the 3 rd application. Make no more than four applications per year. Apply product by ground.
LAST APPLICATION MUST BE MADE AT LEAST 45 DAYS BEFORE HARVEST (45 day PHI).	

RUTABAGAS - SPRAY SCHEDULE

DISEASE	Powdery Mildew
RATE/HA	240 mL
REMARKS	Make two applications per season with the 1 st application at 50 days after planting and the 2nd application 20 days later. Apply to vegetative foliage. Apply 240 mL in a minimum 200 L of water per hectare by ground.
LAST APPLICATION MUST BE MADE AT LEAST 21 DAYS BEFORE HARVEST (21 day PHI).	

ASPARAGUS - SPRAY SCHEDULE

DISEASE	Rust (<i>Puccinia asparagi</i>)
RATE/HA	150 mL
REMARKS	Apply IPCO PIVOT 418 EC to asparagus ferns in Ontario and Québec only. Once harvest is complete, make the 1st application of IPCO PIVOT 418 EC as soon as fern growth begins, followed by applications at 14 to 21 day intervals. For new, non-harvested plantings, apply IPCO PIVOT 418 EC when first sign of rust is visible, followed by applications at 14 to 21 day intervals. Apply by ground only, making no more than three applications per year. Use a minimum of 370 L of water per hectare.
LAST APPLICATION MUST BE MADE AT LEAST 8 MONTHS BEFORE HARVEST (8 Month PHI).	

WESTERN RED CEDAR - SPRAY SCHEDULE

DISEASE	Keithia Foliar Blight
RATE/HA	300 mL
REMARKS	Apply using ground application equipment every four weeks. Make a maximum of 6 applications per year. Apply 300 mL of IPCO PIVOT 418 EC in a volume of 1000 L of water per hectare by ground.

KENTUCKY BLUEGRASS FOR SEED PRODUCTION - SPRAY SCHEDULE

DISEASE	Powdery Mildew
RATE/HA	300 mL
REMARKS	Apply as a foliar spray. Make no more than 2 applications per crop year with the 1st application at pre-heading and the 2nd at 50% - 100% heading. Apply in 200 - 300 L/ha of water by ground or 40 - 50 L/ha of water by air.

CANEBERRIES - SPRAY SCHEDULE

DISEASE	Yellow Rust
RATE/HA	300 mL
REMARKS	Apply 300 mL of IPCO PIVOT 418 EC in a minimum of 500 L of water per hectare by ground application at first detection of disease in the field and a second application 14 days later.
It is recommended that no more than 2 consecutive applications of IPCO PIVOT 418 EC be made before switching to another fungicide with a different mode of action according to disease management practices.	
APPLY A MAXIMUM OF 2 APPLICATIONS PER SEASON OF IPCO PIVOT 418 EC TO CANEBERRIES. DO NOT APPLY WITHIN 30 DAYS OF HARVEST (30 day PHI). DO NOT REENTER TREATED AREAS WITHIN 3 DAYS OF APPLICATION (3 day REI). IF REQUIRED, INDIVIDUALS MAY REENTER TREATED AREAS WITHIN 3 DAYS OF APPLICATION FOR SHORT TERM TASKS WHICH DO NOT REQUIRE HAND LABOUR IF AT LEAST 4 HOURS HAS PASSED SINCE APPLICATION AND PROVIDED LONG PANTS, LONG SLEEVED SHIRTS, AND CHEMICAL RESISTANT GLOVES ARE WORN.	

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Interprovincial Cooperative Ltd. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Interprovincial Cooperative Ltd. itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crops listed below. Accordingly, the User assumes all risks related to performance and crop tolerance arising, and agrees to hold Interprovincial Cooperative Ltd. harmless from any claims based on efficacy or phytotoxicity in connection with the uses described below.

STRAWBERRIES – SPRAY SCHEDULE

DISEASE	Leaf Spot (<i>Mycosphaerella fragariae</i>)
RATE/HA	300 mL
REMARKS	Apply 300 mL of IPCO PIVOT 418 EC per hectare by ground in enough water to ensure thorough coverage. Make 1st application when disease levels are no more than 5%. Apply IPCO PIVOT 418 EC fungicide at 10 day intervals for control of leaf spot.
It is recommended that no more than 2 consecutive applications of IPCO PIVOT 418 EC be made before switching to another fungicide with a different mode of action according to disease management practices.	
APPLY A MAXIMUM OF 4 APPLICATIONS PER SEASON OF IPCO PIVOT 418 EC TO STRAWBERRIES. DO NOT APPLY WITHIN 1 DAY OF HARVEST (1 day PHI).	

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, IPCO PIVOT 418 EC contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to IPCO PIVOT 418 EC 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 IPCO PIVOT 418 EC 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 IPCO PIVOT 418 EC or other fungicides in the same group in a season.
- 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 sign of resistance development. Notify Interprovincial Cooperative Ltd if reduced sensitivity of the pathogen to IPCO PIVOT 418 EC 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 disease problems.
- For further information or to report suspected resistance, contact Interprovincial Cooperative Ltd. at 1-204-233-3461.

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