

Container label

GROUP	2	HERBICIDE
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PYTHON™ A HERBICIDE

Solution

FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA (INCLUDING THE PEACE RIVER REGION) ONLY

AGRICULTURAL

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

ACTIVE INGREDIENT: Imazamox (present as ammonium salt) 80 g/L

REGISTRATION NO. 33279 PEST CONTROL PRODUCTS ACT



CAUTION

POISON

CAUTION – EYE IRRITANT

NET CONTENTS: 1-1050 litres

ADAMA Agricultural Solutions Canada Ltd.

300 – 191 Lombard Avenue

Winnipeg, Manitoba R3B 0X1

1-855-264-6262

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

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

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. May irritate eyes.

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. In addition wear goggles or face shield for mixing/loading, cleanup and repair activities. Gloves are not required during application within a closed cab.

When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

FIRST AID

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

If 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

Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS

TOXIC to non-target terrestrial plants. 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 groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

STORAGE

1. Store above 5° C in original, tightly closed container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Keep from freezing.

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 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, 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 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.

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.

Pamphlet label

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KEEP OUT OF REACH OF CHILDREN

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GENERAL INFORMATION

SECTION 1: THE PRODUCT

PYTHON™ A HERBICIDE is a selective herbicide that can be applied as an early post-emergent treatment in field peas, soybeans and dry beans for broad-spectrum weed control.

SAFETY AND HANDLING

SECTION 2: PRECAUTIONS, PROTECTIVE CLOTHING AND EQUIPMENT, AND RE-ENTRY RESTRICTIONS

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. May irritate eyes.

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. In addition wear goggles or face shield for mixing/loading, cleanup and repair activities. Gloves are not required during application within a closed cab.

When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

SECTION 3: FIRST AID AND TOXICOLOGICAL INFORMATION

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF 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: Treat symptomatically.

SECTION 4: ENVIRONMENTAL PRECAUTIONS

TOXIC to non-target terrestrial plants. 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 groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

SECTION 5: STORAGE

1. Store above 5° C in original, tightly closed container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Keep from freezing.

SECTION 6: 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 your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collectionsite:

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 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.

SECTION 7: 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.

DIRECTIONS FOR USE

SECTION 8: PRODUCT OVERVIEW

PYTHON™ A HERBICIDE is a selective herbicide that can be applied as an early postemergence treatment in field peas, dry beans and soybeans for broad-spectrum weed control.

Cool weather conditions or drought will delay herbicidal activity and if prolonged, may result in poor weed control. Use of PYTHON™ A HERBICIDE in hot, humid weather may result in temporary leaf yellowing, leaf flecking, bronzing or burning. The crop usually outgrows this condition within 10 days.

When weeds are stressed due to drought, flooding, hot or prolonged cool temperatures (15°C or less), control can be reduced or delayed since weeds are not actively growing. Weeds escapes or regrowth may occur under prolonged stress conditions or low fertility. Do not make applications to weeds stressed longer than 20 days due to lack of moisture, as unsatisfactory control can result.

SECTION 9: APPLICATION INSTRUCTIONS AND USE LIMITATIONS

- DO NOT apply using aerial application equipment. Apply using ground equipment only.
- DO NOT apply more than once per year.
- DO NOT apply to crops that have been subjected to stress from conditions such as hail damage, flooding, drought, hot, humid weather, widely fluctuating temperature conditions, prolonged cold weather or injury from prior herbicide applications, as crop injury may result.
- DO NOT apply when weather conditions may cause spray drift from treated areas to adjacent crops.
- DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.
- 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.
- Apply only when the potential for drift to areas of human habitation or areas of human activity (houses, cottages, schools and recreational areas) is minimal. Take into consideration wind speed, wind direction, temperature inversion, application equipment and sprayer settings.

SECTION 10: PRE-HARVEST, GRAZING AND FEEDING INTERVALS

- Grazing/Feeding: Do not graze the treated crops; Field peas may be fed to livestock 30 days after application.
- Pre-harvest Interval: Field peas can be harvested 60 days after treatment. Dry beans can be harvested 75 days after treatment. Soybeans can be harvested 85 days after treatment.

SECTION 11: BUFFER ZONES

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.

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

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).

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of Terrestrial Habitat
Field sprayer	All crops	1

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

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

SECTION 12: REGISTERED CROPS AND APPLICATION TIMING

REGISTERED CROPS:

Soybeans

PYTHON™ A HERBICIDE is a selective herbicide that can be applied as an early post-emergent treatment in soybeans for control of grass and broadleaf weeds.

APPLICATION INSTRUCTIONS – PYTHON™ A HERBICIDE + non-ionic or methylated seed oil adjuvants including Merge® Adjuvant, ADAMA Adjuvant 80, NORAC MSO, Hasten® NT Ultra or Agral® 90:	
Timing	Early post-emergence
Rate	PYTHON™ A HERBICIDE at 0.25 L/ha + Merge® Adjuvant at 0.5% v/v, ADAMA Adjuvant 80 at 0.25% v/v, NORAC MSO at 0.5% v/v, Hasten® NT Ultra at 0.5% v/v or Agral® 90 at 0.25% v/v
Water Volume	100 L/ha
Weeds Controlled	Provides control of broadleaf and grass weeds as listed in the WEEDS CONTROLLED section of this label.
Pre-harvest Interval	85 days
Remark	Soybeans: Apply from Emergence to 3 expanded trifoliate leaves after weeds have emerged. Weeds: Apply when broadleaf weeds are from the cotyledon to 4- leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering.

Field Peas

PYTHON™ A HERBICIDE is a selective herbicide that can be applied as an early post-emergent treatment in field peas for control of broadleaf weeds.

APPLICATION INSTRUCTIONS – PYTHON™ A HERBICIDE + non-ionic or methylated seed oil adjuvants including Merge® Adjuvant, ADAMA Adjuvant 80, NORAC MSO, Hasten® NT Ultra or Agral® 90:	
Timing	Early post-emergence
Rate	PYTHON™ A HERBICIDE at 0.25 L/ha + Merge® Adjuvant at 0.5% v/v, ADAMA Adjuvant 80 at 0.25% v/v, NORAC MSO at 0.5% v/v, Hasten® NT Ultra at 0.5% v/v or Agral® 90 at 0.25% v/v
Water Volume	100 L/ha
Weeds Controlled	Provides control of broadleaf and grass weeds as listed in the WEEDS CONTROLLED section of this label
Pre-harvest Interval	60 days

Remark	<p>Apply from the 1 - 6 true leaf stage of field peas after weeds have emerged.</p> <p>Weeds: Apply when broadleaf weeds are from the cotyledon to 4- leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering.</p> <p>For field peas, initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield.</p>
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Dry Beans

PYTHON A HERBICIDE is a selective herbicide that can be applied as an early post-emergent treatment in dry beans for control of grass and broadleaf weeds.

APPLICATION INSTRUCTIONS – PYTHON™ A HERBICIDE + non-ionic or methylated seed oil adjuvants including Merge® Adjuvant, ADAMA Adjuvant 80, NORAC MSO, Hasten® NT Ultra or Agral® 90:	
Timing	Early post-emergence
Rate	PYTHON™ A HERBICIDE at 0.25 L/ha + Merge® Adjuvant at 0.5% v/v, ADAMA Adjuvant 80 at 0.25% v/v, NORAC MSO at 0.5% v/v, Hasten® NT Ultra at 0.5% v/v or Agral® 90 at 0.25% v/v
Water Volume	100 L/ha
Weeds Controlled	Provides control of broadleaf and grass weeds as listed in the WEEDS CONTROLLED section of this label.
Pre-harvest Interval	75 days
Remark	<p>Apply from Emergence to 3 expanded trifoliolate leaves after weeds have emerged.</p> <p>Weeds: Apply when broadleaf weeds are from the cotyledon to 4-leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering.</p> <p>For dry beans tolerance may vary between varieties. Test new varieties on a small area for tolerance before widespread use.</p>

Dry bean varieties may vary in their tolerance to herbicides, including to PYTHON™ A HERBICIDE. Since not all dry bean varieties have been tested for tolerance to PYTHON™ A HERBICIDE, first use of this Herbicide should be limited to a small area of each variety to confirm tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific varieties of dry common beans to PYTHON™ A HERBICIDE.

Tank Mixes

CONSULT THE LABELS OF THE PRODUCTS TO BE TANK MIXED WITH PYTHON™ A HERBICIDE FOR SPECIFIC INSTRUCTIONS REGARDING APPLICATION RATE AND

TIMING, WEED SPECTRUM, ADDITIVES, PRECAUTIONS, AND RESTRICTIONS.

PYTHON™ A HERBICIDE + PHANTOM® 240 SL

APPLICATION INSTRUCTIONS – PYTHON™ A HERBICIDE + Phantom® 240 SL + non-ionic or methylated seed oil adjuvants including Merge® Adjuvant, ADAMA Adjuvant 80, NORAC MSO, Hasten® NT Ultra or Agral® 90:	
Timing	Early post-emergence
Rate	PYTHON™ A HERBICIDE at 200 mL/ha + Phantom® 240 SL at 65 mL/ha + Merge® Adjuvant at 0.5% v/v, ADAMA Adjuvant 80 at 0.25% v/v, NORAC MSO at 0.5% v/v, Hasten® NT Ultra at 0.5% v/v or Agral® 90 at 0.25% v/v
Water Volume	100 L/ha
Weeds Controlled	Provides control of broadleaf and grass weeds as listed in the WEEDS CONTROLLED section of this label.
Pre-harvest Interval	60 days for field peas; 75 days for dry beans; 85 days for soybeans Field Peas: Apply from the 1 - 6 true leaf stage of field peas after weeds have emerged. Soybeans: Apply from Emergence to 3 expanded trifoliate leaves after weeds have emerged. Dry Beans: Apply from Emergence to the second trifoliate leaf after weeds have emerged. Weeds: Apply when broadleaf weeds are from the cotyledon to 4- leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering. For field peas, initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield. For dry beans tolerance may vary between varieties. Test new varieties on a small area for tolerance before widespread use.

PYTHON™ A HERBICIDE + PYTHON™ B HERBICIDE + ADJUVANT + UAN 28%

APPLICATION INSTRUCTIONS – PYTHON™ A HERBICIDE + PYTHON™ B HERBICIDE + ADJUVANT + UAN 28%	
Timing	Early post-emergence
Rate	PYTHON™ A HERBICIDE at 0.25 L/ha + PYTHON™ B HERBICIDE at 0.9 L/ha + Adjuvant (Merge® Adjuvant at 0.5% v/v, ADAMA Adjuvant 80 at 0.25% v/v, NORAC MSO at 0.5% v/v, Hasten® NT Ultra at 0.5% v/v or Agral® 90 at 0.25% v/v) + nitrogen source* (UAN 28% at 2 L/ha)
Water Volume	100 L/ha
Weeds Controlled	Provides control of broadleaf and grass weeds as listed in the WEEDS CONTROLLED section of this label.
Pre-harvest Interval	60 days for field peas; 75 days for dry beans; 85 days for soybeans
Remark	<p>Treated crops are not to be grazed or cut for hay.</p> <p>Field Peas: Apply from the 3 - 6 true leaf stage of field peas after weeds have emerged.</p> <p>Soybeans: Apply from unifoliate to 3 expanded trifoliate leaves after weeds have emerged.</p> <p>Dry Beans: Apply from first to the second trifoliate leaf after weeds have emerged.</p> <p>Weeds: Apply when broadleaf weeds are from the cotyledon to 4- leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering.</p> <p>For field peas, initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield.</p> <p>For dry beans tolerance may vary between varieties. Test new varieties on a small area for tolerance before widespread use.</p>

*A reduction in grass control can be observed without the addition of a nitrogen source (UAN 28%)

PYTHON™ A HERBICIDE + BASAGRAN® FORTE HERBICIDE + UAN 28%

APPLICATION INSTRUCTIONS – PYTHON A HERBICIDE + BASAGRAN® FORTE + UAN 28%	
Timing	Early post-emergence
Rate	PYTHON™ A HERBICIDE at 0.25 L/ha + BASAGRAN® FORTE HERBICIDE at 1.25 L/ha + nitrogen source* (UAN 28% at 2 L/ha)
Water Volume	100 L/ha
Weeds Controlled	Provides control of broadleaf and grass weeds as listed in the WEEDS CONTROLLED section of this label.
Pre-harvest Interval	60 days for field peas; 75 days for dry beans; 85 days for soybeans
Remark	<p>Treated crops are not to be grazed or cut for hay.</p> <p>Field Peas: Apply from the 3 - 6 true leaf stage of field peas after weeds have emerged.</p> <p>Soybeans: Apply from unifoliate to 3 expanded trifoliate leaves after weeds have emerged.</p> <p>Dry Beans: Apply from first to the second trifoliate leaf after weeds have emerged.</p> <p>Weeds: Apply when broadleaf weeds are from the cotyledon to 4- leaf stage and when grassy weeds are at the 1 - 4 true leaf or early tillering.</p> <p>For field peas, initial transient crop yellowing may be observed after application but this is outgrown and should not affect yield.</p> <p>For dry beans tolerance may vary between varieties. Test new varieties on a small area for tolerance before widespread use.</p>

*A reduction in grass control can be observed without the addition of a nitrogen source (UAN 28%)

SECTION 13: WEEDS CONTROLLED

APPLICATION INSTRUCTIONS - PYTHON™ A HERBICIDE used as directed will control:

PYTHON™ A HERBICIDE Alone

PYTHON™ A HERBICIDE + non-ionic or methylated seed oil adjuvants including **Merge® Adjuvant, ADAMA Adjuvant 80, NORAC MSO, Hasten® NT Ultra or Agral® 90** used as directed will control:

PYTHON™ A HERBICIDE at 250 mL/ha + Merge® Adjuvant at 0.5% v/v, ADAMA Adjuvant 80 at 0.25% v/v, NORAC MSO at 0.5% v/v, Hasten® NT Ultra a 0.5% v/v or Agral® 90 at 0.25% v/v	
WEEDS CONTROLLED	
GRASS WEEDS	RECOMMENDED STAGE
Barnyard grass	1-4 true leaf stage or early tillering
Green foxtail (including Group 1 resistant) ¹	
Persian Darnel	
Tame oat	
Volunteer barley	
Volunteer canaryseed	
Volunteer wheat (non-Clearfield® varieties)	
Wild oat (including Group 1 resistant) 1	
Yellow foxtail	
BROADLEAF WEEDS	RECOMMENDED STAGE
Cow Cockle	Cotyledon to 4 leaf stage
Flixweed	
Green smartweed	
Lamb's quarters	
Redroot Pigweed	
Shepherd's Purse	
Stinkweed	
Stork's bill	
Volunteer Canola (non-Clearfield® varieties)	
Wild mustard	
WEEDS SUPPRESSED	
Cleavers	
Japanese brome	
Wild buckwheat	

¹ PYTHON™ A HERBICIDE will not control weed biotypes that are multiple-resistant to both Group 1 and Group 2 Herbicides

PYTHON™ A HERBICIDE + Phantom® 240 SL - Tank Mixture

PYTHON™ A HERBICIDE + **Phantom® 240 SL** + non-ionic or methylated seed oil adjuvants including **Merge® Adjuvant**, **ADAMA Adjuvant 80**, **NORAC MSO**, **Hasten® NT Ultra** or **Agral® 90** used as directed will control:

PYTHON™ A HERBICIDE at 200 mL/ha + Phantom® 240 SL at 65 mL/ha + Merge® Adjuvant at 0.5% v/v, ADAMA Adjuvant 80 at 0.25% v/v, NORAC MSO at 0.5% v/v, Hasten® NT Ultra at 0.5% v/v or Agral® 90 at 0.25% v/v	
WEEDS CONTROLLED	RECOMMENDED STAGE
GRASS WEEDS	1-4 true leaf stage or early tillering
Green foxtail (including Group 1 resistant) ¹	
Tame oat	
Wild oat (including Group 1 resistant) ¹	
Yellow foxtail	
BROADLEAF WEEDS	RECOMMENDED STAGE
Green smartweed	Cotyledon to 4 leaf stage
Lamb’s quarters	
Redroot pigweed	
Stinkweed	
Wild mustard	
WEEDS SUPPRESSED (in field peas)	
Barnyard grass	
Volunteer barley	
Volunteer canola (non-Clearfield®)	
Wild buckwheat	

¹ PYTHON™ A HERBICIDE will not control weed biotypes that are multiple-resistant to both Group 1 and Group 2 Herbicides.

PYTHON™ A HERBICIDE tank-mixed with Basagran® Forte and UAN 28% as directed will control:

PYTHON™ A HERBICIDE at 250 mL/ha + Basagran® Forte at 1.25 L/ha + UAN 28% at 2 L/ha	
WEEDS CONTROLLED	
GRASS WEEDS	RECOMMENDED STAGE
Barnyard grass	1-4 true leaf stage or early tillering
Green foxtail (including Group 1 resistant) ¹	
Persian darnel	
Tame oat	
Volunteer barley	
Volunteer canaryseed	
Volunteer wheat (non-Clearfield® varieties)	
Wild oat (including Group 1 resistant) ¹	
Yellow foxtail	
BROADLEAF WEEDS	RECOMMENDED STAGE
Cow cockle	Cotyledon to 4 leaf stage
Flixweed	
Green smartweed	
Lamb’s quarters	
Redroot pigweed	
Prostrate pigweed	
Shepherd’s purse	
Stinkweed	
Stork’s bill	
Volunteer canola (non-Clearfield® varieties)	
Wild mustard	
WEEDS SUPPRESSED	
Annual sow-thistle	
Cleavers	
Japanese brome	
Wild buckwheat	

¹ PYTHON™ A HERBICIDE will not control weed biotypes that are multiple-resistant to both Group 1 and Group 2 Herbicides

PYTHON™ A HERBICIDE tank-mixed with PYTHON™ B + ADJUVANT and UAN 28% as directed will control:

PYTHON™ A HERBICIDE at 250 mL/ha + PYTHON™ B HERBICIDE at 0.9 L/ha + Adjuvant (Merge® Adjuvant at 0.5% v/v, ADAMA Adjuvant 80 at 0.25% v/v, NORAC MSO at 0.5% v/v, Hasten® NT Ultra at 0.5% v/v or Agral® 90 at 0.25% v/v) + UAN 28% at 2 L/ha	
WEEDS CONTROLLED	
GRASS WEEDS	RECOMMENDED STAGE
Barnyard grass	1-4 true leaf stage or early tillering
Green foxtail (including Group 1 resistant) ¹	
Persian darnel	
Tame oat	
Volunteer barley	
Volunteer canaryseed	
Volunteer wheat (non-Clearfield® varieties)	
Wild oat (including Group 1 resistant) ¹	
Yellow foxtail	
BROADLEAF WEEDS	RECOMMENDED STAGE
Biennial wormwood	Cotyledon to 4 leaf stage
Cow cockle	
Flixweed	
Green smartweed	
Lamb's quarters ²	
Redroot pigweed ²	
Prostrate pigweed ²	
Shepherd's purse	
Stinkweed	
Stork's bill	
Volunteer canola (including Clearfield® varieties)	
Wild buckwheat	
Wild mustard	
WEEDS SUPPRESSED	
Cleavers	
Japanese brome	

¹ PYTHON™ A HERBICIDE will not control weed biotypes that are multiple-resistant to both Group 1 and Group 2 Herbicides

² PYTHON™ A + PYTHON™ B will provide more consistent control of prostrate pigweed, redroot pigweed and lamb's-quarters including Group 2 resistant biotypes

SECTION 14: MIXING INSTRUCTIONS

- Use 50-100 L/ha of water.
- Use a 50-mesh (or coarser) filter screen.
- Fill the spray tank three-quarters full with water.
- Add the required amount of PYTHON™ A HERBICIDE directly into the sprayer through the tank opening.
- Agitate until herbicide is thoroughly mixed.
- Continue agitation and add the required amount of the tank-mix partner.
- Continue agitation while adding the required amount of recommended adjuvant.
- If excess foaming occurs, a silicone anti-foaming agent may be added (e.g. Halt®).
- Complete filling the tank to the desired level with water.
- Upon completion of spraying, thoroughly flush tank, boom, hoses and in-line and nozzle screens with clean water to avoid possible injury to other crops.
- Repeat sprayer cleanout process using an appropriate spray system cleaner

SECTION 15: ROTATIONAL CROPS

There is the possibility of residual soil activity for PYTHON™ A HERBICIDE the year following application. Initial crop injury to non-Clearfield® canola may be observed. Avoid spray overlap as yield reduction may result.

Research studies have shown that the following crops may be safely planted the year following PYTHON™ A HERBICIDE application:

Spring Barley

Canaryseed

Clearfield® Canola (canola varieties with the Clearfield® trait)

Non-Clearfield® Canola

Chickpea

Field Corn

Field Pea

Flax

Lentil

Tame Oat

Soybean

Clearfield® Sunflower (sunflower varieties with the Clearfield® trait)

Spring Wheat (including Durum wheat)

If tank-mixing PYTHON A HERBICIDE with another herbicide please consult the re-cropping label for the tank mix partner.

WARNING: Certain environmental conditions may delay the breakdown of herbicide residues in soil. These conditions include but are not limited to drought, extremes in soil pH and excessive cold. Under these conditions, the level of phytotoxic herbicide residues present in the field the season following an application may result in an increased potential for injury to succeeding

crops to occur. This potential for increased residues under these environmental conditions is not unique to any specific herbicide or herbicide group but is a property of those herbicides which persist in the soil and are dependent on soil microbial activity and other non-microbial processes (e.g. hydrolysis) to breakdown. There are insufficient data for other follow crops. Conduct a field bioassay (a test strip grown to maturity) the year before growing any crop other than those listed above.

SECTION 16: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, PYTHON™ A HERBICIDE is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to PYTHON™ A HERBICIDE and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. 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 herbicide resistance:

1. Where possible, rotate the use of PYTHON™ A HERBICIDE or other Group 2 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
2. Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
3. Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed- competitive crops or varieties) and other management practices.
4. Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group.
5. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
6. Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
7. Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.

For further information or to report suspected resistance, contact ADAMA Agricultural Solutions Canada Ltd. at 1-855-264-6262 or at www.adama.com/canada.

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