



ADAMA

# PYTHON™

PYTHON™ is a proven co-pack alternative, providing broad-spectrum weed control in peas and soybeans with two modes of action to combat weed resistance.

HERBICIDE



## Active Ingredients

PYTHON™ A:  
Imazamox 80 g/L  
PYTHON™ B:  
Benzatol 480 g/L

## Chemistry Groups

Group 2 and 6

**Put the squeeze on your weeds, not your bottom line with PYTHON™ from ADAMA.**

## KEY BENEFITS:

- Multiple modes of action
- Controls resistant wild mustard and volunteer canola
- Helps to combat group 2 resistant cleavers
- Flexibility of two separate products in the case
- Flexible cropping options the year after
- No complicated grower program to qualify for

# PYTHON™

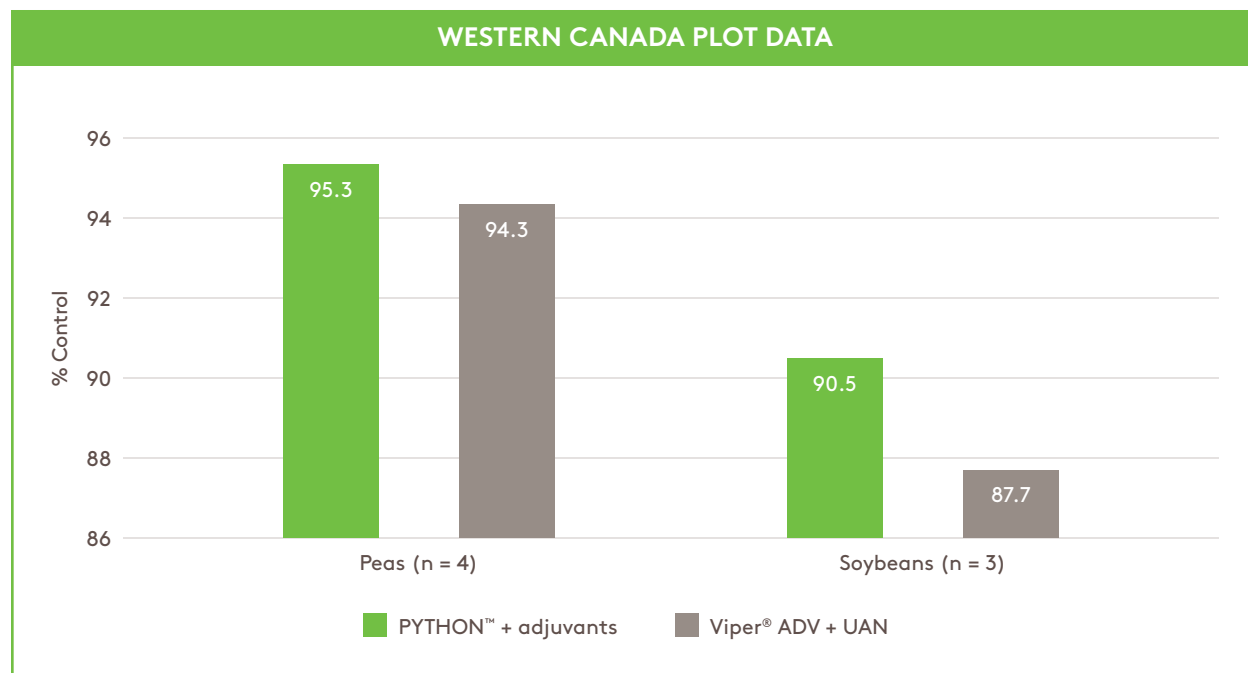
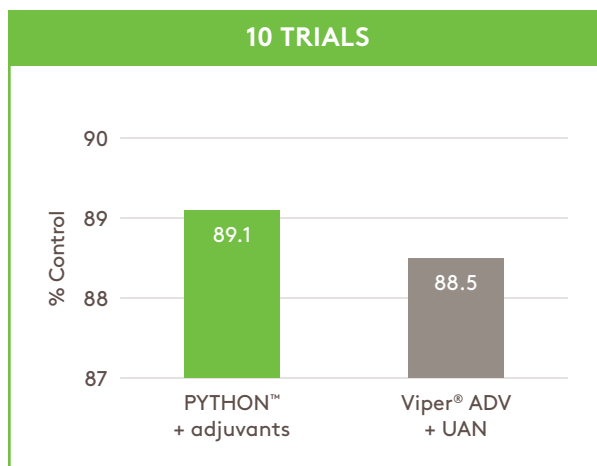
## Field Test Results

### Summary

- After totalling results, PYTHON™ was found to be just as, or slightly more effective than the other applications: PYTHON™ provided 89.1% control, while BASF's Viper® ADV provided 88.5%.

### About

- Conducted field trials in 10 locations across Manitoba, Saskatchewan, Alberta and Ontario (Elm Creek, Minto and Fort Whyte, MB; Saskatoon, SK; Lethbridge, AB; Ridgetown and Bright, ON).
- Treated a variety of weeds, including wild oats, volunteer cereals, lamb's quarters, redroot pigweed and cleavers.



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## HOW IT WORKS:

The PYTHON™ co-pack combines two powerful actives. PYTHON™ A (imazamox) is systemic, readily absorbed through both leaf and root uptake and PYTHON™ B (bentazon) is a contact herbicide. Good coverage and early application will give the best results.

Registered Crops	Key Weeds Controlled	
Soybeans Peas Dry beans	Barnyard grass Biennial wormwood Cleavers <sup>5</sup> Cow cockle Flixweed Green foxtail Green smartweed Japanese brome grass <sup>5</sup> Lamb's quarters* Persian darnel Prostrate pigweed* Redroot pigweed* Shepherd's purse	Stinkweed Stork's bill Velvetleaf Volunteer barley Volunteer canary seed Volunteer canola Volunteer oats Volunteer wheat Wild buckwheat Wild mustard Wild oats Yellow foxtail

<sup>5</sup>Suppression

\*PYTHON™ A + PYTHON™ B provides more consistent control of prostrate pigweed, redroot pigweed and lamb's quarters including Group 2 resistant biotypes

## CROP STAGING:

- Dry beans: 1-3 trifoliate leaves
- Soybeans: unifoliate – 2 expanded trifoliate leaves
- Peas: 3–6 true leaf stage

## APPLICATION RATES AND PACKAGING:

- PYTHON™ A – 4 L jug of imazamox 80 g/L at 0.25 L/ha or 100 ml/ac
- PYTHON™ B – 2 x 7.26 L jugs of bentazon 480 g/L at 0.9 L/ha or 364 ml/ac
- UAN 28% and an adjuvant are not included in the case but required (a reduction in weed control can be observed without the addition of a nitrogen source)

## WATER VOLUME:

- Recommended: 40 L/ac or 10 gal/ac
- Ground application only

## RAINFASTNESS:

6 hours

## SUPPORTED TANK MIXES:

- ARROW ALL IN™
- ARROW® 240 EC

## RECOMMENDED ADJUVANTS:

- Merge® at 0.5% v/v
- NORAC MSO at 0.5% v/v
- Hasten® NT Ultra at 0.5% v/v
- Agral® 90 at 0.25% v/v



Always read and follow label directions.

## UNDERSTANDING YOUR HERBICIDE OPTIONS

PRODUCT NAME	DAVAI® 80 SL	DAVAI® 80 SL + ARROW ALL IN™	DAVAI® 80 SL + LEOPARD®	PHANTOM® 240 SL	PHANTOM® 240 SL + ARROW ALL IN™
When to Use	Low grass pressure, freedom to grow canola, flax and oats the following year, as a tank mix with glyphosate in RR soybeans to control RR canola.	High grass pressure, freedom to grow canola, flax and oats the following year.	Harder to kill brome grass pressure, freedom to grow canola, flax and oats the following year.	Black soil zone, looking for flushing control of shallow germinating weeds, with relatively low grass pressure, cleaver and hemp-nettle control.	Black soil zone, higher grass pressure looking for flushing control of shallow germinating weeds, with high grass pressure, cleaver and hemp-nettle control.
Replaces	Solo® ADV/Solo® WDG	Solo® Ultra	Solo® + Assure® II	Pursuit®	Pursuit® + Poast® Ultra
Registered Crops	Peas, Soybeans, Dry beans	Peas, Soybeans, Dry beans	Peas, Soybeans, Dry beans	Peas, Soybeans, Dry beans, Alfalfa	Peas, Soybeans, Dry beans
Crop Staging	Soybeans - emergence to 3 expanded trifoliolate leaves; Peas - 1-6 true leaf stage; Dry beans - 1-2 leaf	Soybeans - emergence to 3 expanded trifoliolate leaves; Peas - 1-6 true leaf stage; Dry beans - 1-2 leaf	Soybeans - emergence to 3 expanded trifoliolate leaves; Peas - 1-6 true leaf stage; Dry beans - 1-2 leaf	Soybeans - emergence to 3 expanded trifoliolate leaves; Peas - 1-6 true leaf stage; Dry beans - up to 2 trifoliolate	Soybeans - emergence to 3 expanded trifoliolate leaves; Peas - 1-6 true leaf stage; Dry beans - up to 2 trifoliolate
Rate Of Application	100 ml/ac DAVAI® 80 SL	100 ml/ac DAVAI® 80 SL + 150 ml/ac ARROW ALL IN™	100 ml/ac DAVAI® 80 SL + 190 ml/ac LEOPARD®	85 ml/ac PHANTOM® 240 SL	85 ml/ac PHANTOM® 240 SL + 150 ml/ac ARROW ALL IN™
Adjuvant & Rate	Merge® at 0.5% 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	Not required	Merge®, Sure-Mix®, LI700® or Liberate™ at 0.5% v/v	Nonionic surfactant 0.25% v/v	Not required
Re-Cropping	Barley, Canary seed, Canola, Chickpeas, Corn, Peas, Flax, Lentil, Oats, Soybeans, Clearfield® sunflowers, Spring wheat, Durum wheat	Barley, Canary seed, Canola, Chickpeas, Corn, Peas, Flax, Lentil, Oats, Soybeans, Clearfield® sunflowers, Spring wheat, Durum wheat	Barley, Canary seed, Canola, Chickpeas, Corn, Peas, Flax, Lentils, Oats, Soybeans, Clearfield® sunflowers, Spring wheat, Durum wheat	Alfalfa, Peas, Lentils, Spring barley, Spring wheat	Alfalfa, Peas, Lentils, Spring barley, Spring wheat
Weed Stage at Application	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 1-4 true leaf	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 1-6 true leaf	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 2 leaf to early tillering	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 1-4 true leaf	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 1-6 true leaf



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## UNDERSTANDING YOUR HERBICIDE OPTIONS

PRODUCT NAME	PHANTOM® 240 SL + LEOPARD®	QUASAR®	QUASAR® + ARROW ALL IN™	QUASAR® + LEOPARD®	PYTHON™	SQUADRON®
When to Use	Black soil zone, looking for flushing control of shallow germinating weeds, with brome grass pressure, cleavers and hemp-nettle control.	All soil zones, flushing weed control of shallow germinating weeds.	All soil zones, flushing weed control of shallow germinating weeds, higher grass pressure.	All soil zones, flushing weed control of shallow germinating weeds with brome grass pressure.	Mutiple modes of action to manage resistant biotypes.	Pre-seed or post-emergence application gives you another tool to fight weed resistance.
Replaces	Pursuit® + Assure® II	Odyssey®/ Odyssey® NXT	Odyssey® Ultra	Odyssey® + Assure® II	Viper® ADV	Sencor®
Registered Crops	Peas, Soybeans, Dry beans	Peas, Soybeans, Dry beans	Peas, Soybeans, Dry beans	Peas, Soybeans, Dry beans	Peas, Soybeans, Dry beans	Peas, Soybeans, Lentils
Crop Staging	Soybeans - emergence to 3 expanded trifoliolate leaves; Peas - 1-6 true leaf stage; Dry beans - up to 2 trifoliolate	Soybeans - emergence to 3 expanded trifoliolate leaves; Peas - 1-6 true leaf stage; Dry beans - 1-2 leaf	Soybeans - emergence to 3 expanded trifoliolate leaves; Peas - 1-6 true leaf stage; Dry beans - 1-2 leaf	Soybeans - emergence to 3 expanded trifoliolate leaves; Peas - 1-6 true leaf stage; Dry beans - 1-2 leaf	Soybeans - unifoliolate to 2 expanded trifoliolate leaves; Peas - 3-6 true leaf stage; Dry beans - 1-3 trifoliolate	Pre-seed incorporation or post-emergence - pea vines must be less than 6 inches long at time of post-emergent spraying
Rate Of Application	85 ml/ac PHANTOM® 240 SL + 190 ml/ac LEOPARD®	80 ml/ac DAVAI® 80 SL + 26 ml/ac PHANTOM® 240 SL	80 ml/ac DAVAI® 80 SL + 26 ml/ac PHANTOM® 240 SL + 150 ml/ac ARROW ALL IN™	80 ml/ac DAVAI® 80 SL + 26 ml/ac PHANTOM® 240 SL + 190 ml/ac LEOPARD®	100 ml/ac PYTHON™ A + 364 ml/ac PYTHON™ B	Post-emergence: SQUADRON® 275-375 g/ha; Pre-plant incorporated (Spring) - SQUADRON® 375-475 g/ha plus 1.7-3 L/ha Treflan® EC or 2.2-2.8 L/ha Rival® EC
Adjuvant & Rate	Merge®, Sure-Mix®, LI700® or Liberate™ at 0.5% v/v	Merge® at 0.5% 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	Not required	Merge®, Sure-Mix®, LI700® or Liberate™ at 0.5% v/v	800 ml/ac UAN 28% + adjuvant (Merge® at 0.5% 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)	Not required
Re-Cropping	Alfalfa, Peas, Lentils, Spring barley, Spring wheat	Clearfield® canola, Spring barley, Spring wheat, Lentils, Peas	Clearfield® canola, Spring barley, Spring wheat, Lentils, Peas	Clearfield® canola, Spring barley, Spring wheat, Lentils, Peas	Barley, Canary seed, Canola, Chickpeas, Corn, Peas, Flax, Lentils, Oats, Soybeans, Clearfield® sunflowers, Spring wheat, Durum wheat	Specialty crops and non-triazine-tolerant canola (rapeseed) are sensitive and may be injured if seeded in soil treated with SQUADRON® during the year of application or the following crop year. Fall seeded or cover crops such as wheat, oats and rye may be injured when seeded within the same season as the application of SQUADRON®.
Weed Stage at Application	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 2 leaf to early tillering	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 1-4 true leaf	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 1-6 true leaf	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 2 leaf to early tillering	Broadleaf Weeds - cotyledon to 4 leaf, Grasses - 1-4 true leaf	Pre-emergent to early post-emergent



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## BROADLEAF WEEDS CONTROLLED BY PRODUCT

Product Name	Weed Stage at Application	Chickweed	Cleavers	Cow cockle	Flixweed	Green smartweed	Hemp-nettle	Kochia	Lamb's quarters	Redroot pigweed	Russian thistle	Shepherd's purse	Stinkweed	Stork's bill	Tartary buckwheat	Vol. canola	Wild buckwheat*	Wild mustard
DAVAI® 80 SL	cotyledon to 4 leaf	–	S	C	C	C	–	–	C	C	–	C	C	C	–	C <sup>4</sup>	S	C
DAVAI® 80 SL + ARROW ALL IN™	cotyledon to 4 leaf	–	S	C	C	C	–	–	C	C	–	C	C	C	–	C <sup>4</sup>	S	C
DAVAI® 80 SL + LEOPARD®	cotyledon to 4 leaf	–	S	C	C	C	–	–	C	C	–	C	C	C	–	C <sup>4</sup>	S	C
PHANTOM® 240 SL	cotyledon to 4 leaf	C	C	–	–	C	C	–	–	C	–	C	C	–	–	C <sup>4</sup>	S	C
PHANTOM® 240 SL + ARROW ALL IN™	cotyledon to 4 leaf	C	C	–	–	C	C	–	–	C	–	C	C	–	–	C <sup>4</sup>	S	C
PHANTOM® 240 SL + LEOPARD®	cotyledon to 4 leaf	C	C	–	–	C	C	–	–	C	–	C	C	–	–	C	S	C
QUASAR®	cotyledon to 4 leaf	C	–	–	–	C	–	–	C	C	–	–	C	–	–	S	S	C
QUASAR® + ARROW ALL IN™	cotyledon to 4 leaf	C	–	–	–	C	–	–	C	C	–	–	C	–	–	S	S	C
QUASAR® + LEOPARD®	cotyledon to 4 leaf	C	–	–	–	C	–	–	C	C	–	–	C	–	–	S	S	C
PYTHON™	cotyledon to 4 leaf	–	S	C	C	C	–	–	C	C	–	C	C	C	–	C	C	C
SQUADRON®	Pre-emergent to early post-emergent	C	–	C <sup>6,7</sup>	–	C	C	C <sup>7</sup>	C	C <sup>6,7</sup>	C <sup>6</sup>	C <sup>6,7</sup>	C	–	C	C <sup>5</sup>	C <sup>6,7</sup>	C <sup>6,7</sup>

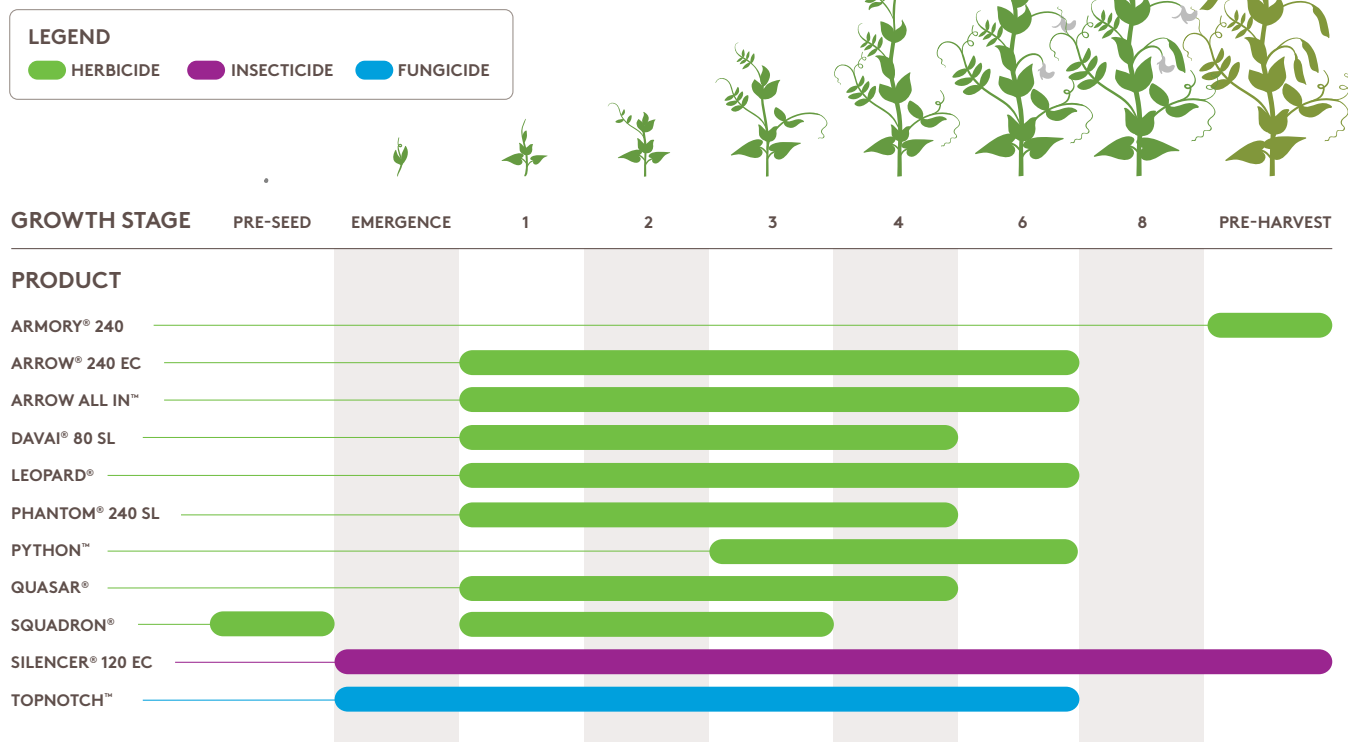
## GRASSY WEEDS CONTROLLED BY PRODUCT

Product Name	Weed Stage at Application	Barnyard grass	Crabgrass	Downy brome	Fall panicum	Foxtail barley	Green foxtail	Japanese brome grass	Witch grass	Persian darnel	Proso millet	Quackgrass	Vol. barley	Vol. canary seed	Vol. corn	Vol. durum wheat	Vol. tame oats	Vol. wheat	Wild oats	Yellow foxtail
DAVAI® 80 SL	1-4 true leaf	C	–	–	–	–	C	S	–	C	–	–	C	C	–	C	C	C	C	C
DAVAI® 80 SL + ARROW ALL IN™	1-6 true leaf	C	C	–	C	–	C	–	C	C	C	S	C	C	C	C	C	C	C	C
DAVAI® 80 SL + LEOPARD®	2 leaf to early tillering	C	–	C <sup>1</sup>	C	C <sup>2</sup>	C	C <sup>1</sup>	C	–	C	S	C	–	C	C	C	C	C <sup>3</sup>	C
PHANTOM® 240 SL	1-4 true leaf	–	–	–	–	–	C	–	–	–	–	–	–	–	–	–	–	–	C	–
PHANTOM® 240 SL + ARROW ALL IN™	1-6 true leaf	C	C	–	C	–	C	–	C	C	C	S	C	C	C	C	C	C	C	C
PHANTOM® 240 SL + LEOPARD®	2 leaf to early tillering	C	–	C <sup>1</sup>	C	C <sup>2</sup>	C	C <sup>1</sup>	C	–	C	S	C	–	C	C	C	C	C <sup>3</sup>	C
QUASAR®	1-4 true leaf	S	–	–	–	–	C	–	–	–	–	–	S	–	–	–	C	–	C	C
QUASAR® + ARROW ALL IN™	1-6 true leaf	C	C	–	C	–	C	–	C	C	C	S	C	C	C	C	C	C	C	C
QUASAR® + LEOPARD®	2 leaf to early tillering	C	–	C <sup>1</sup>	C	C <sup>2</sup>	C	C <sup>1</sup>	C	–	C	S	C	–	C	C	C	C	C <sup>3</sup>	C
PYTHON™	1-4 true leaf	C	–	–	–	–	C	S	–	C	–	–	C	C	–	C	C	C	C	C
SQUADRON®	Pre-emergent to early post-emergent	C <sup>6,7</sup>	–	C <sup>6,7</sup>	–	–	C <sup>6,7</sup>	–	–	C <sup>6,7</sup>	–	–	–	–	–	–	–	–	C <sup>6,7</sup>	C <sup>6,7</sup>

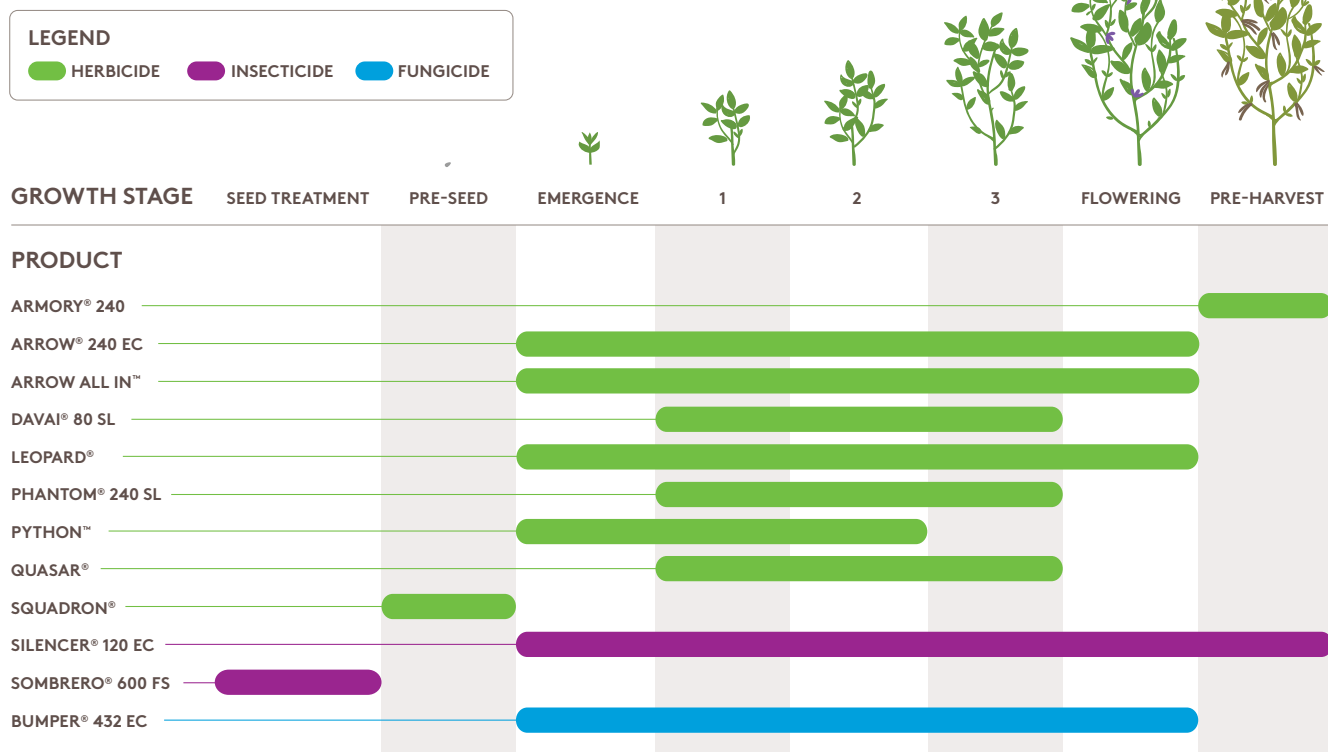
<sup>C</sup> control | <sup>S</sup> suppression | <sup>1</sup> 2-5 leaf stage | <sup>2</sup> 3 leaf to 4 leaf + 3 tillers | <sup>3</sup> 1-5 leaf up to 2 tillers | <sup>4</sup> non-Clearfield® varieties only

<sup>5</sup> non-triazine tolerant canola only | <sup>6</sup> preplant incorporated with Treflan® Liquid EC herbicide | <sup>7</sup> preplant incorporated with Rival® EC herbicide

# PEA GROWTH STAGES



# SOYBEAN GROWTH STAGES



Timing based on using the product alone. Please refer to tank-mix partners label for crop timing.

Always read and follow label directions.

# PYTHON™

## MIXING INSTRUCTIONS:

1. Thoroughly clean the sprayer by flushing the system with water containing detergent.
2. Fill clean spray tank ½ full with clean water. Start agitation system.
3. Add the required amount of PYTHON™ A. Continue to agitate.
4. Add the correct amount of PYTHON™ B. Continue to agitate.
5. Add UAN 28%.
6. Add recommended amount of adjuvant.
7. Continue to add the remaining water to fill the spray tank. Continue to agitate.
8. After any break in spraying operations, agitate thoroughly before spraying again.
9. Check inside the tank to ensure sprayer agitation is sufficient to re-mix the spray materials.
10. If an oil film starts to build up in the tank, drain it and clean tank with strong detergent solution.
11. Immediately after use, thoroughly clean the sprayer by flushing the system with clean water containing detergent.

## CROP ROTATIONS:

Barley, Wheat (spring, durum), Canary seed, Canola, Chickpea, Field corn, Field pea, Flax, Lentils, Oats, Soybeans, Clearfield® sunflowers

## PRE-HARVEST INTERVALS:

Peas: 60 days

Soybeans: 85 days

## GRAZING RESTRICTIONS:

Do not graze treated crop. Peas may be fed to livestock 30 days after application.

## STORAGE:

1. Do not freeze.
2. Store in a cool, dry, locked, well ventilated area without a floor drain.
3. Do not ship or store near food, feed, seed and fertilizer.



Always read and follow label directions.  
Toll-free: 1.855.264.6262  
Website: ADAMA.COM/CANADA

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## Quick Tips

Do not apply PYTHON™ to any crops that have been subjected to stress from conditions such as hail, flooding, hot, humid weather, drought, widely fluctuating temperature conditions, prolonged cold weather or injury from prior herbicide applications, as crop injury may result.