



WE ARE

All In
on soybeans



ADAMA

DAVAI A PLUS™

DAVAI® 80 SL conveniently packaged with ARROW ALL IN® the leading grass control product in pulses.



ACTIVE INGREDIENT:

Imazamox 80 g/L = SL
Clethodim 120 g/L = EC

APPLICATION RATES AND ACRES TREATED:

- Rate: ARROW ALL IN®: 150 ml/ac; DAVAI® 80 SL: 100 ml/ac
- Acres Treated: 40 ac/case

PACKAGING:

- Case: DAVAI® 80 SL: 4 L jug; ARROW ALL IN®: 6 L jug

WATER VOLUME:

- Ground: 40 L/ac (10 US gal/ac)
- Aerial: Do not apply.

RAINFASTNESS:

3 hours

WEEDS CONTROLLED:

Broadleaf weeds: cotyledon – 4 leaf; Grasses: 1 – 4 true leaf:

- Barnyard grass
- Cleavers¹
- Cow cockle
- Crabgrass (smooth, large)
- Fall panicum
- Flixweed
- Green foxtail
- Green smartweed
- Japanese brome grass¹
- Lamb's quarters
- Persian darnel
- Proso millet
- Quack grass¹
- Redroot pigweed
- Shepherd's purse
- Stinkweed
- Stork's bill
- Volunteer barley
- Volunteer canary grass
- Volunteer canary seed
- Volunteer canola (non-Clearfield® varieties)
- Volunteer cereals (barley, oats, wheat)
- Volunteer corn
- Wild buckwheat¹
- Wild mustard
- Wild oats
- Witch grass
- Yellow foxtail

¹Suppression.

HOW IT WORKS:

DAVAI A PLUS™ combines 2 actives to tackle broadleaf and grassy weeds. See DAVAI® 80 SL and ARROW ALL IN® for more information.

CROP STAGING:

Crop	Stage
Soybeans	Emergence to 3 expanded trifoliolate leaves

MIXING INSTRUCTIONS:

1. Fill clean tank ½ to ¾ full of clean water and turn agitation on.
2. Add the required amount of ARROW ALL IN® herbicide and continue to agitate.
3. Add the required amount of DAVAI® 80 SL herbicide and continue to agitate.
4. If required, add the correct amount of tank-mix partner while agitating.
5. Add the required amount of adjuvant while agitating.
6. Continue agitating and fill the remainder of the spray tank with water.

ADJUVANT RATE:

No adjuvant required.

CROP ROTATIONS:

Barley, Canary seed, Canola, Chickpeas, Corn, Field peas, Flax, Lentils, Oats, Soybeans, Clearfield® sunflowers, Wheat (spring, durum)

There are several factors that effect the re-cropping following an imidazolinone application. These include in order of importance:

1. **Product:** With imazethapyr for example being more persistent than imazamox.
2. **Soil moisture:** Need > 125 mm (5") of rain between herbicide application and August 31 in the year of application.
3. **Organic matter:** Brown soil zone (< 3% organic matter) are more susceptible to carry over crop injury the year after application.
4. **Rate:** As affected by the crop – soil residues are the issue.
5. **Soil pH:** Persists longer in a pH < 5.5 – 6.

Depending on the following crop the level of sensitivity will vary. Please contact your local ADAMA ABM for more details.

PREHARVEST INTERVAL:

Soybeans: 85 days

GRAZING RESTRICTION:

Do not graze treated crop. Field peas may be fed to livestock 30 days after application. Do not graze the treated imidazolinone-tolerant lentils within 20 days of application.

STORAGE:

Do not freeze.

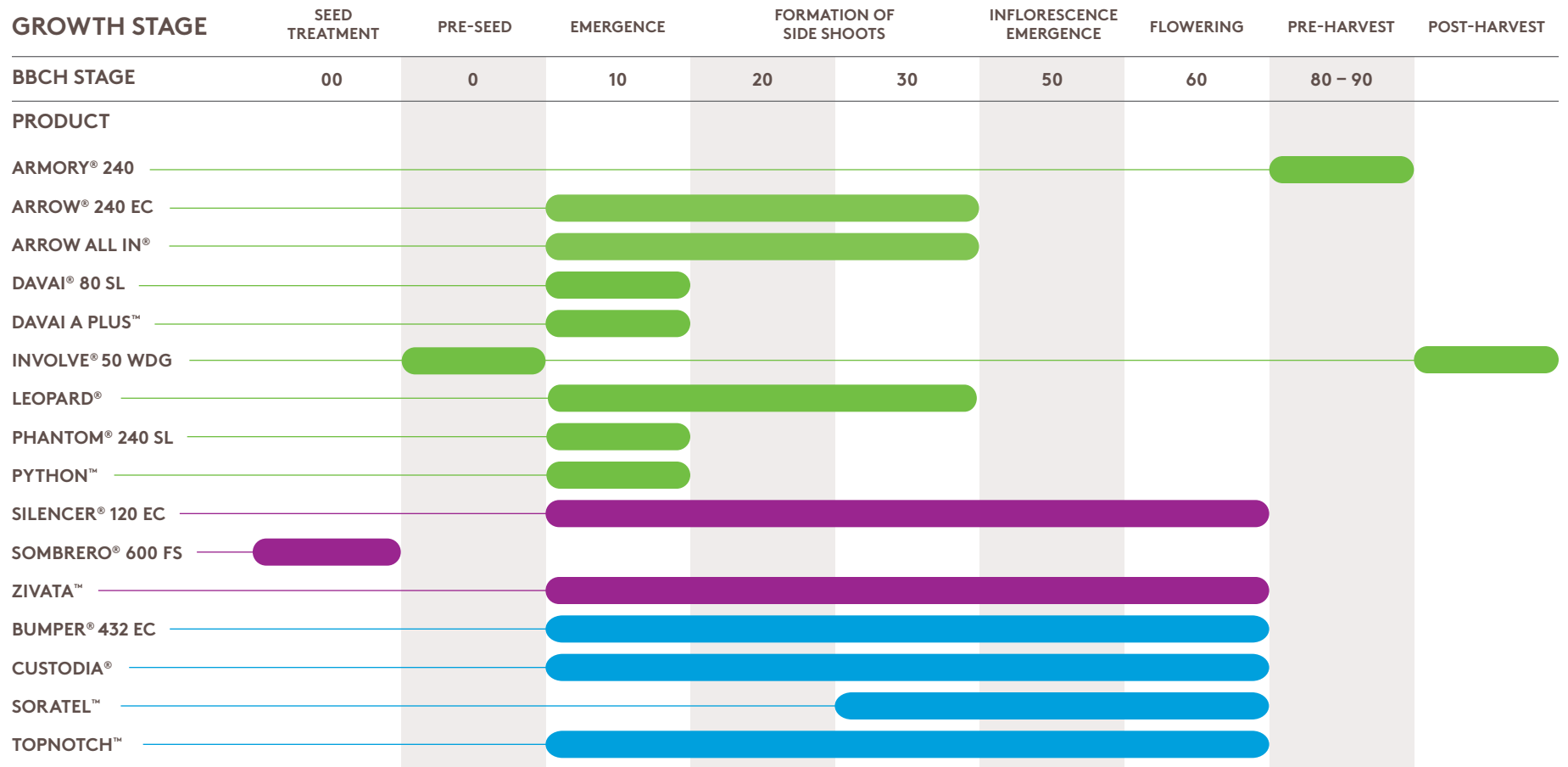


Always read and follow label directions.

SOYBEAN GROWTH STAGES

LEGEND

- HERBICIDE
- INSECTICIDE
- FUNGICIDE

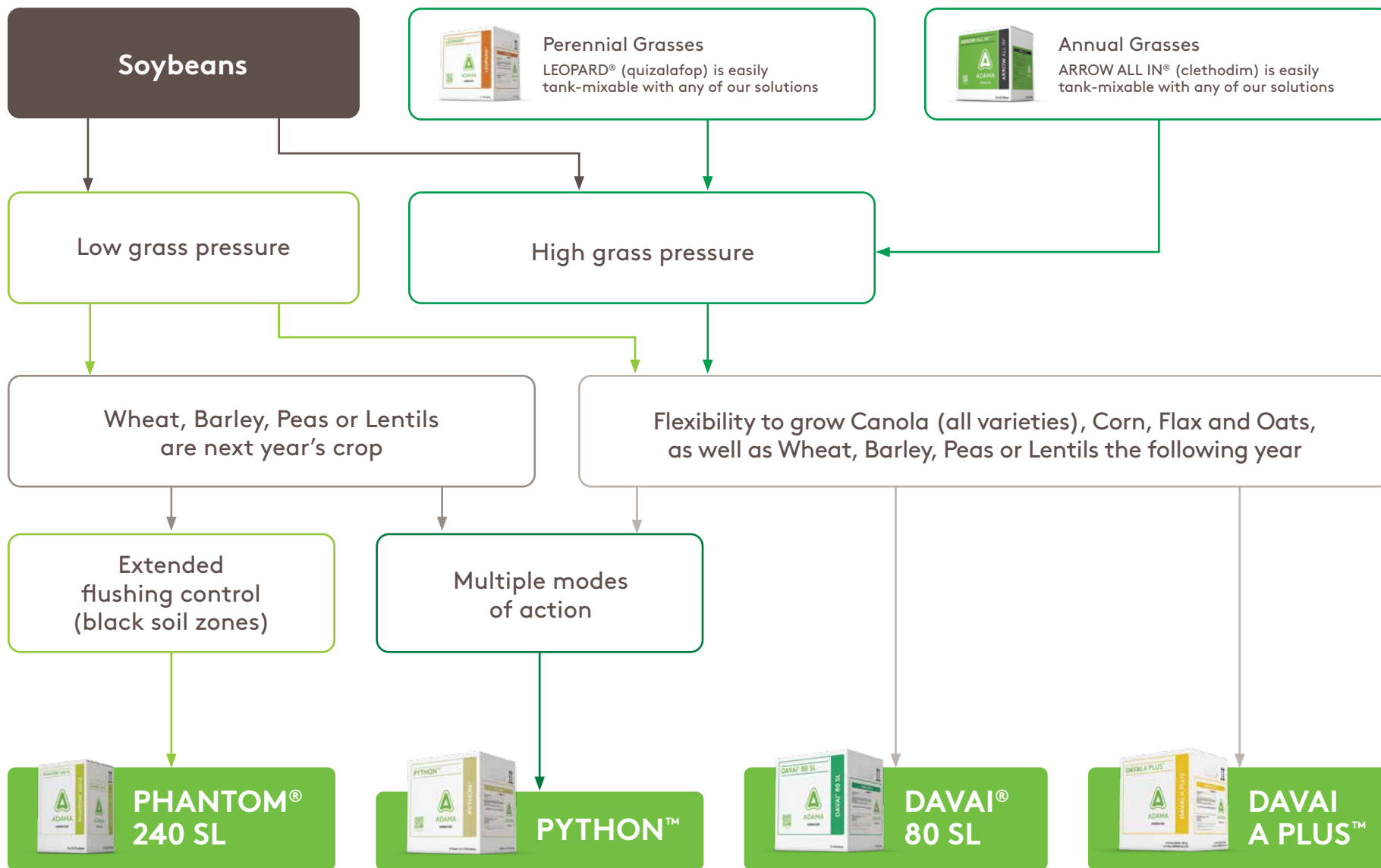


Timing based on using the product alone. Please refer to tank-mix partners label for crop timing.

Always read and follow label directions.



HERBICIDE DECISION TREE



HERBICIDES

PRODUCT NAME Active Ingredient	ARMORY® 240 Diquat	ARROW® 240 EC Clethodim	ARROW ALL IN® Clethodim	DAVAI® 80 SL Imazamox
Group	22	1	1	2
Replaces	Reglone®	Select®, Centurion®, Shadow®	Select®, Centurion®, Shadow®	Solo® WDG, Solo® ADV
Case Package Size Acres Treated	2 × 10 L/case	3 L + 9 L X-ACT® adjuvant/case 20–60 ac/case, dependent on weed infestations	2 × 6 L jugs/case 96 L bulk option 20–60 ac/case, dependent on weed infestations	2 × 8 L case 100 ml/ac or 80 ac/8 L jug Must be used with an appropriate surfactant (see label).
Crop Staging	Spray at 80–90% natural leaf defoliation and when at least 80% of the pods have turned yellow.	All stages	All stages	Emergence to 3 expanded trifoliolate leaves
Key Pests or Diseases Controlled	–	Barnyard grass, Foxtail (green, yellow), Quack grass, Volunteer cereals, Wild oats	Barnyard grass, Foxtail (green, yellow), Quack grass, Volunteer cereals, Wild oats	Cow cockle, Flixweed, Green foxtail, Green smartweed, Lamb's quarters, Persian darnel, Redroot pigweed, Shepherd's purse, Stinkweed, Stork's bill, Volunteer barley, Volunteer canary seed, Volunteer canola, (non-Clearfield® varieties), Volunteer tame oats, Volunteer wheat, Wild mustard, Wild oats, Yellow foxtail
Pest Staging	–	2–6 leaf	2–6 leaf	Broadleaf weeds: cotelydon to 4 leaf; Grasses: 1–4 true leaf
Tank-Mix Options	Aim® E, Agral® 90, LI 700®, Liberate®	DAVAI® 80 SL	DAVAI® 80 SL	ARROW® 240 EC, ARROW ALL IN®, Glyphosate, LEOPARD®, PYTHON™ B
Rate (when used alone)	500–690 ml/ac	Light infestations: 50 ml/ac Moderate infestations: 75 ml/ac Quack grass control: 150 ml/ac	Light infestations: 100 ml/ac Moderate infestations: 150 ml/ac Quack grass control: 300 ml/ac	100 ml/ac
Rainfastness	30 minutes	1 hour	1 hour	3 hours
Mixing Instructions	1. ARMORY® 240 2. Add Agral® 90 adjuvant @ 0.1% v/v or LI 700® @ 0.25% v/v	3. Tank-mix partner 4. ARROW® 240 EC 5. X-ACT® surfactant	1. Tank-mix partner 2. ARROW ALL IN®	1. DAVAI® 80 SL 2. Tank-mix partner 3. Adjuvant
Re-Entry Period	12 hours	12 hours	12 hours	12 hours
Pre-Harvest Interval	–	75 days	75 days	85 days
Additional Info	Best results are made when applied under cloudy conditions or in the evening.	Must be mixed with X-ACT® adjuvant.	Adjuvant built into the formulation.	Best to apply at moderate temperatures (10–26° C); delay spraying if forecasted lows are close to freezing.

HERBICIDES

INVOLVE® 50 WDG Tribenuron-methyl	LEOPARD® Quizalofop-P-ethyl	PHANTOM® 240 SL Imazethapyr	PYTHON™ Imazamox and Bentazon
2	1	2	2 & 6
Express® SG	Assure® II	Pursuit®	Viper®
10 × 480 g or 80 ac/480 g package 1 case treat 800 acres	2 × 7.8 L case	2 × 3.3 L jugs/case 40 ac/3.3 L jug	1 × 4 L plus 2 × 7.26 L co-pack 40 ac/case
Pre-seed and post-harvest	Most crops are tolerant at all stages, so target applications at the optimal weed stage. Always adhere to the pre-harvest interval for each crop.	1–3 leaf	Cotyledon–4 leaf stage
Annual sunflower, Canada thistle (top growth control), Cow cockle, Flixweed (fall rosettes and spring seedlings), Kochia (2–10 leaf), Lamb's quarters, Narrow-leaved hawk's beard (fall rosettes and spring seedlings), Prickly lettuce, Redroot pigweed, Russian thistle, Shepherd's purse (fall rosettes and spring seedlings), Sweet clover, Wild mustard, Wild buckwheat¹ ¹Suppression only.	Barnyard grass, Downy brome, Fall panicum, Foxtail barley, Green foxtail, Japanese brome, Old witchgrass, Proso millet, Quack grass (suppression at lower rates, control at higher rates), Volunteer cereals (wheat, barley, oats), Volunteer corn, Wild oats, Yellow foxtail	Barnyard grass, Cocklebur, Common ragweed, Crabgrass, Eastern black nightshade, Foxtail, Lady's thumb, Lamb's quarters, Proso millet, Redroot pigweed, Smartweed, Velvetleaf, Wild buckwheat, Wild mustard	Barnyard grass, Biennial wormwood, Cow cockle, Flixweed, Green foxtail (including group 1 resistant)¹, Green smartweed, Lamb's quarters², Persian darnel, Redroot pigweed², Prostrate pigweed², Shepherd's purse, Stinkweed, Stork's bill, Tame oat, Volunteer barley, Volunteer canary seed, Volunteer canola (including Clearfield® varieties), Volunteer oats, Volunteer wheat, (including non-Clearfield® varieties), Wild buckwheat, Wild mustard, Wild oats (including group 1 resistant)¹, Yellow foxtail ¹PYTHON™ A Herbicide will not control weed biotypes resistant to Group 2 herbicides. ²PYTHON™ A + PYTHON™ B will provide more consistent control of prostrate pigweed, redroot pigweed and lamb's quarters including Group 2 resistant biotypes.
Refer to registered label for complete list of weeds controlled and appropriate weed staging.	Check label as weed stage controlled by LEOPARD® varies.	Up to 4 th true leaf	Apply to young and actively growing weeds.
Aim® EC, Authority®, Dicamba L, Glyphosate	Basagran®, DAVAI® 80 SL, PHANTOM® 240 SL, PYTHON™, QUASAR®	ARROW® 240 EC, ARROW ALL IN®, Basagran® Forte, Glyphosate, LEOPARD®, Linuron, SQUADRON® II	ARROW® 240 EC, ARROW ALL IN®, LEOPARD®
6g/ac	150–290 ml/ac or 40 ac/7.8 L jug at standard rate	Early pre-plant*, pre-emerge: 170 ml/ac Pre-plant incorporated: 85 ml/a *If weeds are emerged, a + non-ionic surfactant at 0.25% v/v must be added.	PYTHON™ A: 101 ml/ac PYTHON™ B: 364 ml/ac
Avoid if heavy rain is in the forecast.	1 hour	3 hours	1 hour
1. INVOLVE® 50 WDG 2. Tank-mix partner 3. Surfactant	1. LEOPARD® 2. Tank-mix partner 3. Surfactant	1. Tank-mix partner 2. PHANTOM® 240 SL 3. Non-ionic surfactant like Agral® 90 or Ag-Surf® @ 0.25% v/v	1. PYTHON™ A 2. PYTHON™ B 3. Adjuvan 4. UAN
12 hours	12 hours	12 hours	12 hours
30 days	80 days	85 days	75 days
Activity of the herbicide mixture may be delayed by cold, dry conditions after application.	LEOPARD® is safe on the crop at all stages, rates are dependent on weed stages.	Residual control helps with early season weed competition. Registered only in Manitoba in Western Canada.	Two powerful actives that provide broad-spectrum control and require good coverage and early application for best results.

These are just a few of our many herbicide, insecticide and fungicide offerings.

To see our full product portfolio for soybeans, please visit our website at ADAMA.com



Always read and follow label directions.

FUNGICIDE

PRODUCT NAME Active Ingredient	BUMPER® 432 EC* Propiconazole 	CUSTODIA® Tebuconazole and Azoxystrobin	SORATEL™ Prothioconazole 	TOPNOTCH™ Azoxystrobin and Propiconazole
Group	3	3 & 11	3	3 & 11
Replaces	Tilt®	Unique to ADAMA	Proline®	Quilt-Xcel®
Case Package Size Acres Treated	2 × 4.8 L 40 ac/jug 80 ac/case	2 × 10.08 L/case 40 – 53 ac/jug	2 × 9.6 L/case 60 – 120 ac/case (80 ac/case at the standard rate)	2 × 8.6 L/case 27 – 55 ac/case
Crop Staging	Make first application at first sign of disease. See tank-mix partner labels if spraying at herbicide timing.	Make first application at very early stage of disease.	Make first application at first sign of disease.	Make first application at first sign of disease.
Key Pests or Diseases Controlled	Aerial web blight, Frogeye leaf spot	Asian soybean rust, Frogeye leaf spot	Asian soybean rust, Frogeye leaf spot	Mycosphaerella blight, Anthracnose, powdery mildew, White mould (suppression)
Pest Staging	Apply when disease first appears. Under severe disease pressure, make a second application 14 days after the first application.	Make first application at very early stage of disease.	Make first application at first sign of disease.	Make first application at first sign of disease.
Tank-Mix Options	SILENCER® 120 EC, ZIVATA™	–	Coragen®, Decis®, SILENCER® 120 EC, ZIVATA™	ARROW® 240 EC, ARROW ALL IN®, LEOPARD®, SILENCER® 120 EC, ZIVATA™
Rate (when used alone)	120 ml/ac	190 – 250 ml/ac	240 ml/ac – standard rate	310 – 620 ml/ac
Rainfastness	1 hour	Avoid application if heavy rainfall is in the forecast.	Avoid application if heavy rainfall is in the forecast.	Do not apply when rain is imminent.
Mixing Instructions	1. BUMPER® 432 EC 2. Tank-mix partner	1. CUSTODIA® 2. Tank-mix partner	1. SORATEL™ 2. Tank-mix partner	1. TOPNOTCH™ 2. Tank-mix partner
Re-Entry Period	12 hours	12 hours	24 hours	12 hours
Pre-Harvest Interval	50 days	20 days	20 days	30 days
Additional Info	Do not mix with copper products, jar test.	Use of the higher rate should be considered when weather conditions are conducive to heavy disease development or when heavy disease pressure is present.	SORATEL™ is the first of many ADAMA products that will include Asorbital™ Formulation Technology, offering reduced run-off and photodegradation, improved rainfastness and more thorough protection of the foliage.	Good spray coverage and canopy penetration are important to achieve the best results.

*BUMPER® 432 EC is for seed purposes only.

WESTERN CANADA

INSECTICIDES

PRODUCT NAME
Active Ingredient

SILENCER® 120 EC
Lambda-cyhalothrin

SOMBRERO® 600 FS
Imidacloprid

ZIVATA™
Lambda-cyhalothrin

Low VOC
FORMULATION TECHNOLOGY

Group

3

4

3

Replaces

Matador® 120 EC, Labamba

Stress Shield®

Matador® 120 EC, Labamba

Case Package Size
Acres Treated

4 x 3.785 L

8 x 1.54 L
Please refer to the label for application rates as these vary based on seed type.

2 x 4.08 L
45–120 ac/jug

Crop Staging

Any stage

Seed treatment

Any stage

Key Pests or Diseases Controlled

Bean aphid, Bean leaf beetle, Cutworm, Grasshopper, Lygus bug, Pea aphid, Soybean aphid, Western bean cutworm

Bean leaf beetle, Seedcorn maggot, Soybean aphid, Wireworm

Bean aphid, Bean leaf beetle, Cutworm, Grasshopper, Lygus bug, Pea aphid, Soybean aphid, Western bean cutworm

Pest Staging

When insects are present

Used as a protective seed treatment

When insects are present

Tank-Mix Options

BUMPER® 432 EC

Apron Maxx RTA®, Apron Maxx® RFC

BUMPER® 432 EC

Rate
(when used alone)

34–94 ml/ac (see label for rates by pest)

104–208 ml/100 kg seed

34–94 ml/ac (see label for rates by pest)

Rainfastness

1 hour

Not Applicable

1 hour

Mixing Instructions

Confirm compatibility in advance by premixing small proportional quantities of water with SILENCER® 120 EC and the tank-mix partner.

1. Fungicide
2. Coating agents
3. SOMBRERO® 600 FS

Compatibility should always be confirmed by premixing small proportional quantities of water, ZIVATA™ and the tank-mix partner in advance.

Re-Entry Period

12 hours

Not Applicable

12 hours

Pre-Harvest Interval

21 days

Not Applicable

21 days

Additional Info

For best results, apply below 25° C. DO NOT cut treated field for hay/ forage. DO NOT graze treated fields. DO NOT feed treated crops to livestock.

Apply at 10° C or warmer due to high viscosity.

For best results, apply during the early morning or evening. DO NOT cut treated field for hay/ forage. DO NOT graze treated fields. DO NOT feed treated crops to livestock.

Where has all the innovation gone?

While many crop protection companies have turned their attention to the development of seed technologies and collecting “big data”, only ADAMA remains unapologetically committed to providing the kind of innovative crop protection solutions Canadian growers need today.



WE ARE

Agile
Innovation

Filling the innovation void with unique mixtures and formulations.



WE ARE

Active
Ingredients

Leveraging the world's largest library of actives to speed up the pace of innovation.



WE ARE

All About
Input

Listening to growers to ensure we're answering their greatest needs.



WE ARE

Agri-Retail
Inclusive

Partnering with retailers to deliver greater value to them and their customers.

WE ARE

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How can you inspire more innovation? Simply tell your ADAMA representative what you're looking for or visit ADAMA.COM



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