

ADAMA Insecticide Solutions

Our powerful insecticides will be your NEW go-to solutions for season-long peace of mind, delivering rapid control of insects and working long after application.



SILENCER® DUO

Dual-mode insecticide for resistance management with both superior knockdown and extended control of the most harmful insects.

Active Ingredients: Lambda-cyhalothrin & Chlorantraniliprole



COSAYR®

A long-lasting insecticide, which quickly controls chewing insects. Can be applied in a flexible temperature range of 4° C – 40° C.

Active Ingredient: Chlorantraniliprole



SILENCER® 120 EC

Fast acting contact insecticide controls a wide range of insects in field crops. Apply at temperatures below 25° C.

Active Ingredient: Lambda-cyhalothrin



CORMORAN®

Multiple modes of action for resistance management of Colorado Potato Beetle control in potatoes as well as a wide range of other insects in specialty crops.

Active Ingredients: Acetamiprid & Novaluron

Visit adama.com for full product details.





Rate by Crop Group

		Crop Group					
		Oilseeds Canola, Flax	Cereals Barley, Wheat, Oats	Pulses Chickpeas, Dry Beans, Field Peas, Lentils	Potatoes	Corn	Soybeans
Rate Range	CORMORAN®				180–300 ml/ac	200–280 ml/ac	
	COSAYR®	51–152 ml/ac	51–152 ml/ac	51–152 ml/ac	101–202 ml/ac	51–152 ml/ac	51–152 ml/ac
	SILENCER® 120 EC	25–34* ml/ac	34 ml/ac	34–94 ml/ac	34–50 ml/ac	34–76 ml/ac	34–94 ml/ac
	SILENCER® DUO**	SILENCER® DUO A 38–51 ml/ac SILENCER® DUO B 26–34 ml/ac	SILENCER® DUO A 38–51 ml/ac SILENCER® DUO B 26–34 ml/ac	SILENCER® DUO A 51–116 ml/ac SILENCER® DUO B 34–76 ml/ac		SILENCER® DUO A 116 ml/ac SILENCER® DUO B 76 ml/ac	SILENCER® DUO A 51–116 ml/ac SILENCER® DUO B 34–76 ml/ac

* SILENCER® 120 EC - 34 ml rate on flax

** SILENCER® DUO is not registered for use on flax



CORMORAN®

Packaging & Acres Treated:

Case: 2 x 10.08 L jugs
28–56 ac/jug

Water Volume:

Ground: 80–400 L/acre
Air: Do not apply by air

PHI:

Potatoes: 7 days
Sweet Corn: 10 days

REI:

Potatoes & Corn: 12 hours

COSAYR®

Packaging & Acres Treated:

Case: 2 x 6 L jug
30–118 ac/jug

Water Volume:

Ground: 40 L/acre
Air: 20 L/ac

PHI:

Oil Seeds: 1 day
Cereals: 1 day
Potatoes: 1 day
Legumes (soybeans, beans, field peas): 1 day
Seed & Sweet Corn: 1 day
Field Corn: 14 days

REI:

12 hours

SILENCER® 120 EC

Packaging & Acres Treated:

Case: 4 x 3.785 L jugs
40–220 ac/jug
110 ac/jug (standard rate)

Water Volume:

Ground : 40–80 L/ac
Air: 4–16 L/ac

PHI:

Legumes (soybeans, beans, field peas): 21 days
Oil seeds: 7 days
Potatoes: 7 days
Cereals: 28 days
Field Corn: 21 days

REI:

Corn (seed, sweet detasseling): 3 days
All other crops and activities: 12 hours

SILENCER® DUO

Packaging & Acres Treated:

Case: 2 x 6.06 L SILENCER® DUO A
2 x 4.03 L SILENCER® DUO B
106–320 ac/case

Water Volume:

Ground: 40 L/ac
Air: 20 L/ac minimum

PHI:

Legumes (soybeans, beans, field peas): 21 days
Oil seeds: 7 days
Potatoes: 7 days
Cereals: 28 days
Field Corn: 21 days

REI:

Corn (seed, sweet detasseling): 3 days
All other crops and activities: 12 hours



Visit adama.com for full product details.



Insect by Crop Group





		Crop Group					
		Oilseeds Canola, Flax	Cereals Barley, Wheat, Oats	Pulses Chickpeas, Dry Beans, Field Peas, Lentils	Potatoes	Corn	Soybeans
Insect	Aphids			SILENCER® 120 EC SILENCER® DUO	CORMORAN®	CORMORAN®	SILENCER® 120 EC SILENCER® DUO
	Armyworm		COSAYR® SILENCER® 120 EC SILENCER® DUO	COSAYR®	CORMORAN®	COSAYR®	COSAYR®
	Bertha Armyworm	COSAYR® SILENCER® 120 EC SILENCER® DUO					
	Cabbage Seed Pod Weevil	SILENCER® 120 EC SILENCER® DUO*					
	Colorado Potato Beetle				CORMORAN® COSAYR® SILENCER® 120 EC		
	Cutworms	COSAYR®	COSAYR®	COSAYR® SILENCER® 120 EC SILENCER® DUO		SILENCER® 120 EC	COSAYR® SILENCER® 120 EC SILENCER® DUO
	Diamondback Moth	COSAYR® SILENCER® 120 EC SILENCER® DUO					
	European Corn Borer		COSAYR®	COSAYR®	CORMORAN® COSAYR® SILENCER® 120 EC	COSAYR® SILENCER® 120 EC SILENCER® DUO	COSAYR®
	Fall Armyworm		COSAYR®	COSAYR®		COSAYR® SILENCER® 120 EC	COSAYR®
	Flea Beetle (crucifer & striped)	COSAYR® SILENCER® 120 EC SILENCER® DUO					
	Grasshoppers	COSAYR® SILENCER® 120 EC SILENCER® DUO	COSAYR® SILENCER® 120 EC SILENCER® DUO	COSAYR® SILENCER® 120 EC SILENCER® DUO			COSAYR® SILENCER® 120 EC SILENCER® DUO
	Lygus Bug	SILENCER® 120 EC					SILENCER® 120 EC
	Western Bean Cutworm			COSAYR® SILENCER® 120 EC SILENCER® DUO		COSAYR® SILENCER® DUO*	COSAYR® SILENCER® 120 EC SILENCER® DUO

* Knockdown only

For full list of insects controlled per crop please reference the product labels.

Economic Threshold



Aphids	<p>Soybeans: 250+ Aphids per plant, with populations actively increasing, R1 to R5 stages.</p> <p>Cereals (Wheat, Barley, Oats): 12–15 Aphids per stem prior to the soft dough stage.</p> <p>Peas: 2–3 Aphids per 20 cm (8-inch) plant tip, or 9–12 Aphids per sweep, when 50–75% of plants are flowering.</p> <p>Lentils: 30–40 Aphids per 180° sweep of a 38 cm (15-inch) net.</p> <p>Canola: 25+ Aphids per 10 cm shoot tip after flowering.</p>
Armyworm	Control usually necessary when numbers exceed 10/m ² .
Bertha Armyworm	6–34 larvae per m ² depending on expected.
Cabbage Seed Pod Weevil	25-40 CSPW per 10 sweeps across the field.
 Colorado Potato Beetle	<p>20–25% defoliation before yield is significantly impacted.</p> <p>Adults: 25 adults per 50 plants.</p> <p>Small Larvae: 200 per 50 plants.</p> <p>Large Larvae: 75 per 50 plants.</p>
Cutworms	<p>Canola: 25–30% stand reduction.</p> <p>Cereals (Wheat, Barley, Oats): 3–4 larvae/m² (up to 5–6/m² for redbacked).</p> <p>Flax & Canola: 4–5 larvae/m².</p> <p>Peas: 2–3 larvae/m².</p> <p>Corn: 2–4% of plants cut below ground or 6–8% cut above ground.</p> <p>Soybeans: 1+ larvae per 3 feet of row (small larvae) or 20% of plants cut.</p>
Diamondback Moth	<p>Vegetative to flowering stage: 100–150 larvae/m².</p> <p>Late flowering to pod stage: 200–300 larvae/m².</p>
European Corn Borer	50% corn plants show signs of leaf feeding (shot-holing) by newly hatched larvae.
 Fall Armyworm	<p>Corn: Past the 6-leaf stage, 50% of plants show damage & larvae smaller than 2.5 cm (1 in.).</p> <p>Seedling Corn: 2 or more larvae per seedling or feeding damage exceeds 10%.</p> <p>Soybean/Forages: Defoliation reaches 20% in reproductive stages or 30% in vegetative stages.</p> <p>Small Grains (Pre-heading): 4 or more Armyworms per square foot.</p>
 Flea Beetle (crucifer & striped)	25% leaf damage on cotyledons and adults are continuing to feed.
 Grasshoppers	<p>Cereals: Nymphs: 30-40/m², Fifth instar and adults: 10-12/m².</p> <p>Canola: 7-12/m².</p> <p>Flax: 2/m² at green boll stage.</p> <p>Lentils: 2/m² during flowering and podding.</p> <p>Soybeans and Dry Beans: Pre-bloom: 30% defoliation, Bloom to pod-fill: 15% defoliation, Pod fill to maturity: 25% defoliation unless pod feeding is observed.</p>
Lygus Bug	<p>Canola: 20- 30 Lygus per 10 sweeps at the early pod stage.</p> <p>Faba Beans: 5-10 Lygus per 10 sweeps at early pod stage.</p> <p>Lentils: 10 Lygus per 25 sweeps.</p> <p>Peas: 10 Lygus per 25 sweeps.</p> <p>Dry beans: 10 Lygus adults/m² at the beginning pod (R2) to mid-bloom (R3) when conditions are not favourable for the plants but are favourable for Lygus Bugs (e.g., hot and dry).</p>
Western Bean Cutworm	<p>Corn: 5% of plants have eggs or small larvae.</p> <p>Dry Beans: Traps with >50 moths.</p>



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

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