

APVMA permits for FAW in grain crops

Products arranged in order of increasing risk to beneficial populations

Active and MoA group	<i>S. frugiperda</i> NPV	Indoxacarb (22)	Chlorantraniliprole (28)	Spinetoram or spinosad (5)^	Emamectin benzoate (6A)	Methomyl (1A)	Thiodicarb (1A)	Alpha-cypermethrin (3A)
Product examples	Fawligen	Steward, Avatar Evo	Altacor, Vantacor, Coragen	Success Neo, Delegate	Affirm	Numerous commercial products	Confront, Larvin, Showdown	Numerous commercial products
Maize / maize cereals	PER90820	PER89530	PER91386	PER89390	PER89371	PER89279 PER89398*	PER89398*	PER89279
Sorghum	PER90820		PER91616	PER89390		PER89279 PER89398*		PER89279
Millet	PER90820		PER91616	PER89390				PER89279
Rice			PER90621					
Peanut	PER90820	PER90577	PER86014			PER89279		
Pulses[#]	PER90820	PER89279 (soybean only) PER89311 (pigeon pea refuges only)	PER89259	PER89241	PER89300	PER89279 (soybean & peanut only) PER89398*	PER89398*	PER89279
Canola	PER90820			PER89241	PER89300	PER89398*		
Sunflower	PER90820		PER89457			PER89398*		
Safflower	PER90820		PER89457					
Winter cereals[#]	PER90820				PER89371	PER89398*		PER89279
Sweet corn^{###}	PER90820	PER90374		PER89241 PER89870		PER89398*	PER89398*	
Ginger	PER90820		PER90758	PER90737				
Brassica vegetables	PER90820			PER89241 PER89870				

* For use with Magnet see Magnet label for specific rates)

[#] see permit/label for details of specific crops within this group

^{###} amorphous silica (Abrade; PER90841) also available for sweetcorn

KEY to colour codes:

Overall risk to beneficials:	None	Low	Moderate	High	Very high
FAW resistance status:	VERY LOW	LOW	MODERATE	HIGH	VERY HIGH

[^] MoA group 5 may be high risk to specific groups of beneficials (e.g. ladybird beetles and *Trichogramma* species)

List of permits:

Permit	Expiry	Active(s)	MoA grp	Product examples	Crop(s)	Max appl*	WHP (days)		Notes:	
							Harvest	Graze/cut		
PER86014	31 Aug 2023	350 g/kg	chlorantraniliprole	28	Altacor	peanuts	2	14	14	QLD & NT only Dangerous to bees
PER89241	31 Mar 2023	120 g/L 250 g/L	spinetoram spinetoram	5	Success Neo Delegate	soybean, pulses, chickpea, canola, cotton sweet corn and a range of other horticultural crops	4	See product labels for specific crops		
PER89279	31 Mar 2023	100 g/L 100 g/L 225 g/L 150 g/L	alpha-cypermethryn zeta-cypermethryn methomyl indoxacarb	3A 3A 1A 22)	Accensi Fury Lymo Steward	maize, sorghum, millet, pulses, winter cereals maize, sorghum, sunflower maize, sorghum, soybean, peanut soybean	2 2 2 1	7-28 (refer to product labels)		Dangerous to bees
PER89300	30 Apr 2023	17 g/L	emamectin benzoate	6A	Affirm	canola, pulses	2	14-21 (see permit) Do not use on canola for fodder/grazing		Highly toxic to bees
PER89311	30 Apr 2023	150 g/L	indoxacarb	22	Steward	pigeon pea	1	21	21	See cotton IRMS
PER89371	31 Aug 2023	17 g/L	emamectin benzoate	6A	Affirm	wheat and similar grains, maize cereals	2	0-42	14-21	Highly toxic to bees
PER89390	30 Apr 2023	120 g/L	spinetoram	5	Success Neo	maize cereals, grain sorghum, millet	2	0-14	14	DO NOT feed to lactating dairy animals producing milk for human consumption.
PER89398	30 Jun 2022	Magnet (+ methomyl or thiodicarb)		1A		cereal grains, pastures, oilseeds, cotton, sweet corn		Insecticide withholding period plus 7 days		Refer to insecticide labels
PER89457	30 Nov 2022	350 g/kg	chlorantraniliprole	28	Altacor	sunflower, safflower	2	14	14	Very toxic to aquatic life
PER89530	31 May 2023	150 g/L	indoxacarb	22	Steward	maize cereals	2	14	14	
PER89870	31 July 2023	240 g/L	spinosad	5	Entrust	sweet corn and a range of other horticultural crops	4	See product labels		
PER90374	30 Nov 2023	303 g/kg	indoxacarb	22	Avatar Evo	sweet corn	3	3	3	
PER90577	31 Jan 2024	150 g/L	indoxacarb	22	Steward	peanuts	2	14	14	QLD & NT only
PER90621	28 Feb 23	600 g/L	chlorantraniliprole	28	Vantacor	Rice	2	14	14	NSW & QLD only
PER90737	30 Sep 2023	120 g/L	spinetoram	5	Success Neo	ginger	3	3	Do not feed	QLD only
PER90758	30 Sep 2023	200 g/L	chlorantraniliprole	28	Coragen	ginger	3	3	Do not graze	QLD only
PER90820	31 Mar 2024	7.5 b/mL	S frugiperda NPV	31	Fawligen	cereal grains, oilseed, pulses, fodder/forage, cotton sweetcorn; various vegetables and ornamentals	5-10	0	0	Apply with Optimol
PER90841	31 Mar 2024	450 g/L	amorphous silica	-	Abrade	sweet corn		0	0	
PER91386	31 May 2023	350 g/L 600 g/L	chlorantraniliprole	28	Altacor Vantacor	Maize cereals	2	14	14	Very toxic to aquatic life
PER91616	31 Oct 2024	600 g/L	chlorantraniliprole	28	Vantacor	millet, sorghum	2	14	14	

* maximum number of applications per crop/season as listed on permit (see permit/label for more details).

Information provided as a summary guide only. See APVMA website for current permit details.
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