



Australian Government
**Australian Pesticides and
Veterinary Medicines Authority**

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF FALL ARMYWORM IN SWEET CORN**

PERMIT NUMBER – PER93815

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agvet Codes of the jurisdictions set out below. This permit allows a person, as stipulated below, to use the product in the manner specified in this permit in the designated jurisdictions. This permit also allows the Permit Holder and any person stipulated below to claim that the product can be used in the manner specified in this permit.

THIS PERMIT IS IN FORCE FROM 5 DECEMBER 2023 TO 31 DECEMBER 2028

Permit Holder:

HORTICULTURE INNOVATION AUSTRALIA LTD
Level 7, 141 Walker Street
NORTH SYDNEY NSW 2060

Persons who can use the product under this permit:

Persons generally

CONDITIONS OF USE

Products to be used:

AVATAR EVO INSECTICIDE (APVMA No. 86106)

Containing: 303 g/kg INDOXACARB (95:1) (equivalent to 300 g/kg active S-isomer) as the only active constituent.

RESTRAINT:

- **DO NOT** apply if rain is expected within 2 hours of application, or if heavy dew is present on crops.
- **DO NOT** apply by Remotely Piloted Aircraft System (RPAS)/unmanned aerial vehicle (UAV).
- Thorough mixing and continuous agitation by mechanical or hydraulic means **MUST** be utilised to keep material in suspension at all times during mixing and application of the spray.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant no-spray zone tables below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between three and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

Boom Sprayers

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category.
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table sub-titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones	
		Natural aquatic areas	Livestock areas
Up to maximum label rate	0.5 m or lower	20 metres	0 metres
	1.0 m or lower	20 metres	20 metres

Aircraft (Fixed wing and Helicopters ONLY)

DO NOT use by RPAS/UAV

Use an aircraft fitted with accurately calibrated equipment. Apply a minimum total spray volume of 40 L/ha with nozzles (eg. Micronaire rotary atomisers, CP nozzles or conventional hydraulic nozzles) set to MEDIUM spray quality. A spray drift minimisation strategy should be employed at all times when applying this product. DO NOT apply using Ultra Low Volume (ULV) methods.

DO NOT apply by aircraft unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category.
- for maximum release height above the target canopy of 3 metres or 25% of wingspan or 25% of rotor diameter, whichever is the greatest, minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for aircraft') are observed.

Type of aircraft	Mandatory downwind buffer zones	
	Natural aquatic areas	Livestock areas
Fixed wing	20 metres	170 metres
Helicopter	20 metres	110 metres

Directions for Use:

Crop	Pest	Rate
Sweet corn	Fall Armyworm (<i>Spodoptera frugiperda</i>)	250 g/ha

Critical Use Comments:

- Material must be kept in suspension at all times by continuous agitation.
- Regularly scout crops to monitor for eggs and larvae. Target sprays against eggs and newly hatched larvae (prior to third instar stage) before they become entrenched.
- Best results are achieved when product is used prior to the start of silking (vegetative – early tasseling). Larvae present within the silks or cobs at the time of spraying will not be controlled.
- Apply by ground boom spray or aerial application by fixed wing or helicopter application ONLY.
- Use a minimum spray volume of 100 L/ha for ground application and 30 L/ha for aerial application.
- DO NOT apply more than 3 applications per crop.
- DO NOT apply less than 7 days after the previous treatment.
- Use a non-ionic surfactant/wetting agent at 15 g active/100L.
- Comply with the 'Precautions' and 'Protections' statements on the product label.
- Refer to the Insecticide Resistance Management (IRM) on the product label to prevent or delay the development of insecticide resistance.

Withholding Period:

Harvest: Do not harvest for 3 days after application.

Grazing: Do not graze or cut for stock food for 3 days after application.

Mixing

Always add dry Avatar EVO to water in tank. DO NOT premix or slurry. With the exception of products in water soluble bags, Avatar® eVo must be in suspension in the tank before adding companion products or surfactant.

Fill spray tank to ¼ to ½ full of water. Measure the amount of Avatar EVO required for the area to be sprayed. Add Avatar EVO directly to the spray tank with the agitation engaged.

Mix thoroughly to disperse the insecticide. Once dispersed, the material must be kept in suspension at all times by continuous agitation. Use mechanical or hydraulic means, DO NOT use air agitation, premix or slurry.

If spray solution is left standing, ensure thorough re-agitation of the spray mix until fully re-suspended. DO NOT allow spray mix to sit overnight, as re-suspension may be difficult.

Jurisdiction:

All States and Territories, except VIC.

Note: Victoria is not included in this permit, as their Control-of-Use legislation means a permit is not required to legalise this off-label use in that State.

Additional Conditions:

This permit allows for the use of a product in a manner specified on the permit. Persons who wish to prepare for use and/or use products for the purposes specified in this permit must read, or have read to them, the details and conditions of this permit. Unless otherwise stated, the use of the product must be in accordance with the product label.

Export of treated produce

Maximum Residue Limits (MRLs) have been established to allow treated produce to be used for human and/or animal consumption. An MRL has been established for INDOXACARB in SWEET CORN (CORN-ON-THE-COB), SWEET CORN FODDER and SWEET CORN FORAGE. MRLs can be found in the *Agricultural and Veterinary Chemicals Code (MRL Standard) Instrument 2019*. MRLs apply only to produce marketed and consumed in Australia. If treated produce is to be exported, residues must not exceed the limits/tolerances of the importing country.

The holder of the permit must notify the APVMA of new information, including relevant information in accordance with section 161 of the Schedule to the *Agricultural and Veterinary Chemicals Code Act 1994*, in accordance with the obligation imposed by that section.

Issued by the Australian Pesticides and Veterinary Medicines Authority