



**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL  
PRODUCT FOR CONTROL OF AFRICAN BLACK BEETLE, WIREWORMS,  
FALSE WIREWORMS, VEGETABLE WEEVIL AND SWEET POTATO WEEVIL  
IN VARIOUS VEGETABLE CROPS**

**PERMIT NUMBER – PER14583**

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 1 APRIL 2014 TO 31 OCTOBER 2024**

**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

**Product to be used:**

NUFARM CHLORPYRIFOS 500 EC INSECTICIDE (APVMA No. 32902)  
PLUS OTHER REGISTERED PRODUCTS

Containing: 500 g/L CHLORPYRIFOS as the only active constituent.

**RESTRAINT:**

DO NOT apply in domestic areas, public places or container/potted plants

DO NOT use in the home garden

**Directions for use:**

Crop	Pest	Rate	Withholding period
SWEDE TURNIP	African black beetle	2 L/ha	<u>African black beetle</u> : Not required when used as directed.
	False wireworms and Wireworms	5 L/ha	<u>False wireworm and wireworms</u> : DO NOT harvest for 28 DAYS after application.
<p><b>Critical use comments: Swede &amp; turnip</b>  <u>African black beetle</u>: apply by boom spray in 500-1,000 L/ha water at or soon after planting in a 10-15 cm band spray.  <u>False wireworms and wireworms</u>: Larvae - apply to the planting region at or prior to planting when wireworm numbers become significant. Adults - apply as evidence of damage indicates significant numbers once seedlings are established.</p>			
BRASSICA LEAFY VEGETABLES, SILVERBEET, SPINACH, CELERY, BEANS, SNOW PEAS & SUGAR SNAP PEAS	African black beetle	2 L/ha	Not required when used as directed.
	False wireworms and Wireworms	5 L/ha	
<p><b>Critical use comments: Leafy vegetables, celery, beans, snow peas &amp; sugar snap peas</b>  <u>African black beetle</u>: apply by boom spray in 500-1000 L/ha water at or soon after planting in a 10-15 cm band spray.  <u>False wireworms and wireworms</u>: apply to the planting region at or prior to planting when wireworm numbers become significant.</p>			
PARSLEY	Vegetable Weevil	800 mL/ha	<p><b>Harvest:</b> DO NOT harvest for 10 WEEKS after application.</p> <p><b>Grazing:</b> DO NOT graze or cut for stock feed.</p>
<p><b>Critical use comments: Parsley</b>  Apply only once per crop immediately after the sowing of seed as a band spray to soil along the plant row.  OR  Apply only once per crop within two days of transplanting parsley seedlings as a band spray over young plants and adjacent soil along the plant row.  Use correctly calibrated application equipment that is appropriate for applying enough water to ensure complete banded coverage of the soil and foliage where applicable.</p>			

Crop	Pest	Rate	Withholding period
SWEET POTATO	Sweet potato weevil	200 mL/100 L (600 mL – 4 L/ha)	DO NOT harvest for 14 DAYS after application.
	Wireworm	6 L/ha	

**Critical Use Comments: Sweet potato**  
Apply in accordance with all Directions for Use for potato against weevils as contained on the specific product label.

Sweet potato weevil: Post-plant: - apply as a complete soil cover spray including young plants. Use high volumes of water starting with 300 L/ha and increasing up to 2,000 L/ha when crop achieves full ground cover.

Wireworm: Pre-plant: - incorporate to a depth of 15 cm by boom spraying and rotary hoeing immediately (exposure to sunlight reduces effectiveness) or inject in front of rotary hoe/bed forming equipment.

Timing of treatment:  
Sweet potato weevil and Wireworm - Apply pre-plant to cultivated soil and incorporate into the soil immediately or apply post-plant immediately on observation of infestation. Wireworms follow moisture in soil profile therefore efficacy will be improved if applied to moist soil.

### Jurisdiction:

All States and Territories, except VIC.

Note: Victoria is not included in this permit because their ‘control-of-use’ legislation means that a permit is not required to legalise this off-label use in that State.

### Additional Conditions:

Highly toxic to birds and reptiles. Very highly toxic to fish and aquatic invertebrates.  
Dangerous to bees. Refer to ‘Protections’ statement on the product label.

Apply to no greater than 30 hectares per day.  
Comply with Re-entry periods specified on the product label.

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. 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.

### *Other Matters*

Continued issuance of this permit is subject to the outcomes of the current APVMA review of chlorpyrifos. This permit may be impacted by the outcomes of this review.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: Version 3 issued (01/02/2019) to extend expiry date to 31 October 2019.

17/10/2019 – Reference product added to the permit. Reference to label statements/restraints added. Other non-technical edits made to improve clarity. Expiry extended to 31 October 2021. Issued as Version 4.

16/07/2021 – Permit expiry extended to 31/10/2024. Permit issued as Version 5.