



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF SPECIFIED WEEDS IN LEEKS AND GARLIC**

PERMIT NUMBER – PER81271

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 10 NOVEMBER 2015 TO 30 SEPTEMBER 2025

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:

SIPCAM SIMAZINE 500 FLOWABLE HERBICIDE (APVMA No. 51469)
PLUS OTHER REGISTERED PRODUCTS
Containing: 500 g/L SIMAZINE as the only active constituent.

BRUNO HERBICIDE (APVMA No. 59867)
PLUS OTHER REGISTERED PRODUCTS
Containing: 500 g/L CYANAZINE as the only active constituent.

BLADEX 900 WG HERBICIDE (APVMA No. 57850)
PLUS OTHER REGISTERED PRODUCTS
Containing: 900 g/kg CYANAZINE as the only active constituent.

RAMROD FLOWABLE HERBICIDE (APVMA No. 57018)
PLUS OTHER REGISTERED PRODUCTS
Containing: 480 g/L PROPACHLOR as the only active constituent.

GENFARM IOXYNIL 250 HERBICIDE (APVMA No. 88335)
PLUS OTHER REGISTERED PRODUCTS
Containing: 250 g/L IOXYNIL as the only active constituent.

IMTRADE ICONIX 500 EC HERBICIDE (APVMA No. 87625)
PLUS OTHER REGISTERED PRODUCTS
Containing: 500 g/L IOXYNIL as the only active constituent.

TRAMAT 500 SC SELECTIVE HERBICIDE (APVMA No. 39508)
PLUS OTHER REGISTERED PRODUCTS
Containing: 500 g/L ETHOFUMESATE as the only active constituent.

GOAL HERBICIDE (APVMA No. 54271)
PLUS OTHER REGISTERED PRODUCTS
Containing: 240 g/L OXYFLUORFEN as the only active constituent.

TITAN PENDIMETHALIN 330 HERBICIDE (APVMA No. 56780)
PLUS OTHER REGISTERED PRODUCTS
Containing: 330 g/L PENDIMETHALIN as the only active constituent.

RIFLE 440 HERBICIDE (APVMA No. 54599)
PLUS OTHER REGISTERED PRODUCTS
Containing: 440 g/L PENDIMETHALIN as the only active constituent.

STOMP AQUA HERBICIDE (APVMA No. 69004)
PLUS OTHER REGISTERED PRODUCTS
Containing: 455 g/L PENDIMETHALIN as the only active constituent.

RESTRAINTS:

Comply with all restraints on the relevant product label.

Directions for Use:

Crop	Pest	Active Constituent and Rate	Withholding Period	Critical Use Comments
Leek	Grass and/or broadleaf weeds as contained on the relevant product label	<u>500 g/L simazine products:</u> 2.2 L/ha	Not required when used as directed.	<ul style="list-style-type: none"> • Apply immediately (within 2 days) after transplanting. • Apply maximum one (1) foliar spray using calibrated boom spray or similar equipment. • Use suitable water volume to achieve good, even coverage.
	Grass and/or broadleaf weeds as contained on the relevant product label for onions	<u>500 g/L cyanazine products:</u> 2 L/ha <u>900 g/kg cyanazine products:</u> 1.1 kg/ha		<ul style="list-style-type: none"> • Apply at 2 - 4 leaf stage after transplanting. • Apply maximum one (1) foliar spray using calibrated boom spray or similar equipment. • Use water volume of 80 – 200 L/ha. • Apply only during the cooler months (late autumn – early spring)
		<u>480 g/L propachlor products:</u> 12 L/ha		<ul style="list-style-type: none"> • Apply a maximum one (1) spray immediately after seeding or transplanting. • Use water volume of 200 L/ha with a pressure of 200 kpa. • Moisture, either as rain or overhead sprinklers, should be applied within 10 days after application for optimal performance. • For sand soils, 7 mm of irrigation should be applied. For heavy clay and/or high organic soils, 7 to 18 mm should be applied.

•Users must observe all Additional Conditions as contained on page 8 of this permit.

Crop	Pest	Active Constituent and Rate	Withholding Period	Critical Use Comments
Leeks	Grass and/or broadleaf weeds as contained on the relevant product label for onions	<u>250 g/L ioxynil products:</u> 2.1 L/ha <u>500 g/L ioxynil products:</u> 1.05 L/ha	Do not harvest for 7 weeks after application.	<ul style="list-style-type: none"> • For both field-sown and transplanted leeks, apply one (1) application only by boom spray, during the 5-8 leaf stage of the crop. • Use water volume of 300 – 500 L/ha. • DO NOT treat more than 10 ha per day. • DO NOT apply to crops or weeds that are stressed due to lack of moisture or frost, or affected by disease. • DO NOT apply immediately before a sprinkler irrigation or when rain is likely to fall. A three-hour drying period after application is necessary. • DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use. • DO NOT undertake thinning plants for 8 days, hand harvesting and scouting for 22 days, hand set irrigation for 25 days and hand weeding > 30 days post-treatment unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be washed after each day's use.

•Users must observe all Additional Conditions as contained on page 8 of this permit.

Crop	Pest	Active Constituent and Rate	Withholding Period	Critical Use Comments
Leeks	Grass and/or broadleaf weeds as contained on the relevant product label for onions	<u>500 g/L ethofumesate products:</u> 600 mL – 1.2 L/ha	Do not harvest for 8 weeks after application.	<ul style="list-style-type: none"> • Use as directed on the label for onions, applying by boom spray at the 2 - 5 leaf stage of the crop. • Apply maximum one (1) foliar spray using calibrated boom spray or similar equipment. • WARNING: Some phytotoxicity has been observed in some cases, hence: <ul style="list-style-type: none"> • some small area testing is recommended before treating a complete crop; and • only spray crops that are healthy, free from pest/disease and other stresses.
	Grass and/or broadleaf weeds as contained on the relevant product label	<u>240 g/L oxyfluorfen products:</u> 50 mL/ha and/or 350 – 500 mL/ha	Not required when used as directed.	<ul style="list-style-type: none"> • For sown or transplanted leeks, apply: <ul style="list-style-type: none"> • the 50 mL/ha application at the 1-leaf stage of the crop; and/or • the 350 - 500 mL/ha application at the 2.5 - 3 leaf stage of the crop. • DO NOT apply more than two (2) applications per crop, with minimum interval between consecutive sprays the period between the 1-leaf and 2.5 leaf stage (as applicable to cultivar and location). • Apply in at least 100 L water/ha at pressures below 150 kPa. • DO NOT EXCEED A TOTAL OF 550 mL OF PRODUCT OVERALL FOR THE TWO SPRAYS PER CROP. • For other relevant critical comments for leeks, refer to the critical comments on label for onions. • NOTE: Some flecking, twisting or stunting of crop plants can occur, though it is usually short lived.

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Crop	Pest	Active Constituent and Rate	Withholding Period	Critical Use Comments
Leeks	Hogweed (Wireweed)	<u>330 g/L pendimethalin products:</u> 0.75 – 1.5 L/ha <u>440 g/L pendimethalin products:</u> 0.56 – 1.125 L/ha <u>455 g/L pendimethalin products:</u> 0.54 – 1.09 L/ha	Not required when used as directed.	<u>Transplanted crops:</u> <ul style="list-style-type: none"> • Apply foliar spray at the 1.5 leaf stage of the crop and repeat application (if required) at the 3 leaf stage of the crop, as applicable to cultivar and location. • Apply using 50 to 200 L-water/ha. • DO NOT apply more than two (2) applications per crop. <u>Direct seeded crops:</u> <ul style="list-style-type: none"> • Apply herbicide as per instructions on product label, for onions: 1 surface application as a pre-emergence-crop/weed application, and one further application as a post-emergence-crop/pre-emergence-weed application, between the 1 and 3 leaf stage of the crop. • Minimum days between pre emergence crop/weed and post emergence crop/pre-emergence weed (between the 1 and 3 leaf stage) as applicable to cultivar and location • Apply using 50 to 200 L water/ha. Use the higher rates of water for pre-emergence applications. • DO NOT apply more than two (2) applications per crop. • For optimal performance, incorporate with 12 – 25 mm of spray irrigation within one day of application. • WARNING: CROP PHYTOTOXICITY HAS BEEN OBSERVED IN SOME CASES, with post-emergence-crop application. • To reduce this or avoid it altogether, water the sprayed crop within 1 hour of application, to remove the chemical from the crop.

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Crop	Pest	Active Constituent and Rate	Withholding Period	Critical Use Comments
Garlic	Grass and/or broadleaf weeds as contained on the relevant product label for onions	<u>480 g/L propachlor products:</u> 12 – 15 L/ha	Not required when used as directed.	<ul style="list-style-type: none"> • Apply product as a surface spray immediately after planting, prior to weed or seeded crop emergence. • Apply in a minimum of 200 L/ha water. • Use the lower application rate on light – medium textured soils and the higher rate on heavy textured soil. • Moisture is required to activate the product. Apply with overhead sprinkler or rain. Best results occur when moisture is received within 10 days after application.
	Hogweed (Wireweed)	<u>330 g/L pendimethalin products:</u> Pre-emergence: 0.75 – 1 L/ha Post-emergence: 1 – 2 L/ha		<p><u>Pre-emergence:</u></p> <ul style="list-style-type: none"> • Apply surface spray immediately after sowing to just prior to emergence. • Use the higher rate on heavy textured or highly organic soils. • DO NOT EXCEED 0.75 L PRODUCT/HA IF SOIL CONDITIONS ARE WET AND COLD. • For optimal performance, incorporate with 12 – 25 mm of spray irrigation within one day of application. <p><u>Post-emergence:</u></p> <ul style="list-style-type: none"> • Apply foliar spray from the 1-3 true leaf stage. • Repeat applications may be made up to the 3 true leaf stage. • DO NOT EXCEED A TOTAL 3 L PRODUCT/HA PER CROP. <p><u>General Instructions:</u></p> <ul style="list-style-type: none"> • Use spray volume 50 – 200 L/ha. • DO NOT use on sandy soils. • Avoid applying product to areas where waterlogging is likely to occur. • Crops may only be sown after a minimum interval of 5 months (from last application).

•Users must observe all Additional Conditions as contained on page 8 of this permit.

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.

To Avoid Crop Damage

The sensitivity of the crop to be treated under this permit has not been fully evaluated. It is advisable to only treat a small area to ascertain the reaction before treating the whole crop.

Export of treated produce

Maximum Residue Limits (MRLs) or Temporary Maximum Residue Limits (TMRLs) have been established to allow treated produce to be used for human 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.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: 08/08/2017 – Permit updated to amend MRL. Permit issued as Version 2.

11/05/2018 – Permit updated to amend holder details. Permit issued as Version 3.

02/09/2020 – Permit updated to amend nominated products and additional conditions. Permit expiry extended to 30/09/2025. Permit issued as Version 4.