



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

**PERMIT TO ALLOW MINOR USE OF A REGISTERED AGVET CHEMICAL
PRODUCT FOR CONTROL OF VARIOUS WEEDS IN FALLOW IN CONJUNCTION
WITH OPTICAL SPOT SPRAY TECHNOLOGY**

PERMIT NUMBER – PER90223

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 DECEMBER 2021 TO 31 DECEMBER 2026

Permit Holder:

GRAIN PRODUCERS AUSTRALIA LIMITED
13 Wallace Street
BRAIDWOOD NSW 2622

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Products to be used:

GARLON 600 HERBICIDE (APVMA No. 31898)

PLUS OTHER REGISTERED PRODUCTS

Containing: 600 g/L TRICLOPYR present as the butoxyethyl ester as the only active constituent.

TARGA HERBICIDE (APVMA No. 62712)

PLUS OTHER REGISTERED PRODUCTS

Containing: 99.5 g/L QUIZALOFOP-P-ETHYL as the only active constituent.

VERDICT 520 HERBICIDE (APVMA No. 50643)

PLUS OTHER REGISTERED PRODUCTS

Containing: 520 g/L HALOXYFOP present as the haloxyfop-R methyl ester as the only active constituent.

DECISION SELECTIVE HERBICIDE (APVMA No. 56166)

PLUS OTHER REGISTERED PRODUCTS

Containing: 20 g/L SETHOXYDIM, 200 g/L DICLOFOP-METHYL and 20 g/L MEFENPYR-DIETHYL as the only active constituents.

ARYSTA SELECT HERBICIDE (APVMA No. 51144)

PLUS OTHER REGISTERED PRODUCTS

Containing: 240 g/L CLETHODIM as the only active constituent.

ARYSTA SELECT XTRA HERBICIDE (APVMA No. 65513)

PLUS OTHER REGISTERED PRODUCTS

Containing: 360 g/L CLETHODIM as the only active constituent.

FACTOR WG HERBICIDE (APVMA No. 61984)

PLUS OTHER REGISTERED PRODUCTS

Containing: 250 g/L BUTROXYDIM as the only active constituent.

BEAUTIM 500 WG HERBICIDE (APVMA No. 82149)

PLUS OTHER REGISTERED PRODUCTS

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

FUSILADE FORTE 128 EC HERBICIDE (APVMA No. 58521)

PLUS OTHER REGISTERED PRODUCTS

Containing: 128 g/L FLUAZIFOP-P present as the butyl ester as the only active constituent.

FUSILADE POST-EMERGENCE SELECTIVE HERBICIDE (APVMA No. 46959)

PLUS OTHER REGISTERED PRODUCTS

Containing: 212 g/L FLUAZIFOP-P present as the butyl ester as the only active constituent.

VALOR 500 WG HERBICIDE (APVMA No. 61622)

PLUS OTHER REGISTERED PRODUCTS

Containing: 500 g/kg FLUMIOXAZIN as the only active constituent.

GRAZON EXTRA HERBICIDE (APVMA No. 60830)

PLUS OTHER REGISTERED PRODUCTS

Containing: 8 g/L AMINOPYRALID present as hexyloxypropylamine salt, 100 g/L PICLORAM present as the hexyloxypropylamine salt and 300 g/L TRICLOPYR present as the butoxyethyl ester as the only active constituents.

GENFARM TRICLO-PIC HERBICIDE (APVMA No. 81361)

PLUS OTHER REGISTERED PRODUCTS

Containing: 100 g/L PICLORAM present as the hexyloxypropylamine salt and 300 g/L TRICLOPYR present as the butoxyethyl ester as the only active constituents.

ALLY HERBICIDE (APVMA No. 31786)

PLUS OTHER REGISTERED PRODUCTS

Containing: 600 g/L METSULFURON-METHYL as the only active constituent.

HOTSHOT HERBICIDE (APVMA No. 59173)

PLUS OTHER REGISTERED PRODUCTS

Containing: 10 g/L AMINOPYRALID present as triisopropanolamine salt and 140 g/L FLUROXYPYR as the methyl heptyl ester as the only active constituents.

RESTRAINT:

DO NOT apply greater than 30 L of spray mixture per hectare through Optical Spot Spray Technologies (OSST) equipment.

Directions for Use:

Situation	Pest	Rate
Fallow For use with Optical Spot Spray Technologies (OSST)	Weeds as per product label	Survey area to be sprayed and estimate percentage weed cover prior to application. For weed cover between 0 and 10% select from either Table 1 or 2. For weed cover between 0 and 30% select from Table 1 only. If percentage weed cover exceeds 30% use approved boom spray rates.

Critical Use Comments:

- This permit may only be used in conjunction with Optical Spot Spray Technologies (OSST). Operate equipment in accordance with the technical literature provided by the manufacturer.
- Calibrate the optical sprayer to spray the equivalent of 100 L/ha.
- Use spray droplets not smaller than a COARSE spray droplet size category.

Resistance Management:

Use of herbicides from the same mode of action (group 1) should be limited to only two consecutive applications per year after which a different mode of action group should be used. Survivors must be prevented from setting seed to prevent resistance populations developing.

To Avoid Crop Damage:

The use of OSST may result in areas within a paddock where a higher than normal residual herbicide concentration would occur. In areas where this may occur, users should revert to boom spray rates and follow the plant back periods on label or test for potential phytotoxicity prior to planting susceptible crops.

Table 1: Short duration residual herbicides for use in situations with weed cover up to 30% - Grass and/or Broadleaf weeds

All registered products containing the following active ingredients at concentrations specified	Rates
Butroxydim (250 g/kg)	100 - 200 g/100 L followed 7 days later by paraquat at label rates
Butroxydim (500 g/kg)	50 - 100 g/100 L followed 7 days later by paraquat at label rates
Clethodim (240 g/L)	250 - 500 mL/100 L followed 7 days later by paraquat at label rates
Clethodim (360 g/L)	165 - 330 mL/100 L followed 7 days later by paraquat at label rates
Haloxypop-R (520 g/L)	200–800 mL/100 L followed 7 days later by paraquat at label rates
Fluazifop-P butyl ester (128 g/L)	1.65-3.3 L/100 L followed 7 days later by paraquat at label rates
Fluazifop-P butyl ester (212 g/L)	1–2 L/100 L followed 7 days later by paraquat at label rates
Quizalofop-P-ethyl (200 g/L)	250–750 mL/100 L followed 7 days later by paraquat at label rates
Sethoxydim (186 g/L)	1 L/100 L followed 7 days later by paraquat at label rates
Triclopyr ester (600 g/L)	160–300 mL/100 L
Flumioxazin (500 g/kg)	30 g/100 L + glyphosate, paraquat or paraquat + diquat at label rates + adjuvant

Note:

- 1) Use of rates at the top of the rate range of these herbicides will give more reliable control of a wider spectrum of larger, more mature, advanced weeds.
- 2) Use of rates at the top of the rate range of short duration residual herbicide based products will result in soil residues which may cause hot spots. Sensitive following crops may not establish in the sprayed patches unless longer than label plant back periods are observed.
- 3) These herbicides may be tank mixed with or may be co-applied through a separate boom with herbicides shown in Table 2 if the specific tank mix is permitted on either product's label.
- 4) Grass Selective herbicides do not include plant back periods on label but have been associated with winter cereal and summer crop damage. Consult with Permit Holder or District agronomist if this may be an issue.
- 5) Grass Selective herbicide should only be used for control in early phases of the fallow. As planting dates approach it is advised to use non-residual/knockdown options to minimize potential damage in following sensitive crops.
- 6) Always add the required adjuvant as specified on the label of the grass herbicide at label rates.
- 7) Chosen tank mix partners must be registered for use with OSST and the label instructions of the tank mix partner must be followed.

Table 2: Residual Herbicides for use in situations with weed cover up to 10%

All registered products containing the following active ingredients at concentrations specified	Rate
Aminopyralid (8 g/L) and Picloram (100 g/L) and Triclopyr as the butoxyethyl ester (300 g/L)	1 L/100 L plus Glyphosate at registered rates for optical spot spray technology (refer to registered product label for correct rate) and wetter at label rates
Picloram (100 g/L) and Triclopyr as the butoxyethyl ester (300 g/L)	1 L/100 L plus Glyphosate at registered rates for optical spot spray technology (refer to registered product label for correct rate) and wetter at label rates
Metsulfuron-methyl (600 g/kg)	5g – 10 g/100 L
Fluroxypyr methyl heptyl ester (140 g/L) and Aminopyralid (10 g/L)	1 L/100 L

Note:

- 1) Use of rates at the top of the rate range of these herbicides will give more reliable control of a wider spectrum of larger, more mature, advanced weeds.
- 2) Use of rates at the top of the rate range of these herbicides will result in soil residues which may cause hot spots, sensitive following crops may not establish in the sprayed patches unless longer than label plant back periods are observed.
- 3) These herbicides may be tank mixed with herbicides in Table 1 if permitted on the label of either herbicide. Herbicides from Table 1 may be co-applied through a separate boom if the tank mix is permitted on either product label.
- 4) Chosen tank mix partners must be registered for use with OSST and the label instructions of the tank mix partner must be followed.

Withholding Period:

Refer to label.

Plant back periods: See *To Avoid Crop Damage* below.

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.

Issued by the Australian Pesticides and Veterinary Medicines Authority