



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

PERMIT TO ALLOW MINOR USE OF AN AGVET CHEMICAL PRODUCT

**FOR CONTROL OF SELECTED INSECT PESTS AND BROADLEAF AND GRASS
WEEDS IN HEMP**

PERMIT NUMBER – PER87802

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 any person to claim that the product can be used in the manner specified in this permit.

THIS PERMIT IS IN FORCE FROM 13 SEPTEMBER 2019 to 30 SEPTEMBER 2022

Permit Holder:

MIDLANDS SEED LIMITED
323 Prossers Road
RICHMOND TAS 7025

Persons who can use the product under this permit:

Persons generally

CONDITIONS OF USE

PRODUCTS TO BE USED:

Herbicides

NUFARM BROMICIDE 200 SELECTIVE HERBICIDE (APVMA Approval No. 31614).
PLUS OTHER REGISTERED PRODUCTS

Containing: 200 g/L BROMOXYNIL present as the N-OCTANOYL ESTER as their only active constituent

SUMISTATUS 240 EC HERBICIDE (APVMA Approval No. 64778).

PLUS OTHER REGISTERED PRODUCTS

Containing: 240 g/L CLETHODIM as their only active constituent

REGLONE NON-RESIDUAL HERBICIDE (APVMA Approval No. 46534).

PLUS OTHER REGISTERED PRODUCTS

Containing: 200g/L DIQUAT present as DIQUAT DIBROMIDE MONOHYDRATE as their only active constituent

VERDICT 520 HERBICIDE (APVMA Approval No.50643).

PLUS OTHER REGISTERED PRODUCTS

Containing: 520 g/L HALOXYFOP present as the HALOXYFOP-R METHYL ESTER as their only active constituent

TARGABOLT HERBICIDE (APVMA Approval No. 61862).

PLUS OTHER REGISTERED PRODUCTS

Containing: 200 g/L QUIZALOFOP-P-ETHYL as their only active constituent

Insecticides

NUFARM ASTOUND DUO INSECTICIDE (APVMA Approval No. 53039)

PLUS OTHER REGISTERED PRODUCTS

Containing: 100 g/L ALPHA-CYPERMETHRIN as their only active constituent

Directions for Use:

Herbicides

Restraints:

Clethodim:

- DO NOT apply more than 1 application of herbicide containing clethodim per crop

Haloxifyop:

- DO NOT apply after the 8th leaf stage of the crop.
- DO NOT apply more than 1 application of herbicide containing haloxifyop per crop.

Quizalofop-ethyl:

- DO NOT apply after 8th leaf stage of the crop
- DO NOT apply more than 1 application of herbicide containing quizalofop-ethyl per crop.

| Crop | Target Weeds / Situation | Rate |
|----------------------------|---|--|
| INDUSTRIAL HEMP | Amsinckia, Black Bindweed, Capeweed, Fat Hen, Field Madder, Lesser Swinecress, Shepherds Purse, Wire Weed, Wild Radish, Fumitory, Wild Charlock, Sowthistle | <u>Bromoxynil</u> 1 – 1.4 L product /ha |
| | Annual Ryegrass, Annual Phalaris, Barley | <u>Clethodim</u> |

| | | |
|--|--|---|
| | Grass, Brome Grass, Volunteer Cereals | 150 – 500 mL product /ha |
| | Pre-harvest crop desiccation | <u>Diquat</u> 2 – 3 L product /ha |
| | Annual Ryegrass, Annual Phalaris, Barley Grass, Brome Grass, Volunteer Cereals | <u>Haloxyfop</u> 75 – 100 mL product /ha |
| | Annual Ryegrass, Annual Phalaris, Barley Grass, Brome Grass, Volunteer Cereals | <u>Quizalofop</u> 150 – 500 mL product /ha |

Critical Use Conditions:

General

- Apply using correctly calibrated ground boom sprayer, or similar equipment, using a minimum water volume of 160 - 200 L/ha. Good coverage of weed foliage is essential.
- DO NOT apply with smaller than COARSE spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the British Crop Production Council guideline.
- Only apply spray to actively growing grass weeds free from environmental stresses.
- Observe *Safety Directions and First-aid* listed on the product label.
- Adhere to any *Restraints* listed under *Directions for Use* on the product label.
- Adhere to *Re-entry Period* listed under *General Instructions* on the product label.

Bromoxynil

- Apply at 4 – 6 leaf stage in weed growth, and up to 8-leaf stage in sow thistle and black bindweed.
- Apply at 2 – 4 leaf stage of crop development. DO NOT apply after 6-leaf stage.
- Apply a maximum two (2) spays per crop per season.
- DO NOT apply when rain is expected within 3 hours of spray application.

Clethodim

- Apply at 2 leaf to fully tillered stages in weed growth.
- Apply at stage of crop development before flowering.
- DO NOT apply without the addition of an adjuvant. Refer to *Critical Comments* for label use on canola and pulses.
- DO NOT apply when rain is expected within 1 hour of spray application.

Diquat

- Add non-ionic wetter as per product label recommendations.
- Apply at any stage of crop development for crop desiccation or destruction.

Haloxyfop

- Apply at 2 leaf to fully tillered stages in weed growth.
- Apply at 2 leaf to 8 leaf stage of the crop.
- Apply spraying oils and/or non-ionic wetters as per product label recommendations.
- DO NOT apply when rain is expected within 1 hour of spray application.

Quizalofop

- Apply at 2 leaf to fully tillered stages in weed growth.
- Apply at 2 leaf to 8 leaf stage of the crop.
- Use higher rate under heavy weed pressure, and/or when weeds have commenced tillering.
- Apply surfactant/wetting agent at the recommended label rate.
- DO NOT apply when rain is expected within 3 hours of spray application.

Withholding Period:Bromoxynil

Harvest: Not required when used as directed.

Grazing: DO NOT graze livestock on treated area or cut for forage or fodder for 8 WEEKS after spray application.

Clethodim

Harvest: Not required when used as directed.

Grazing: DO NOT graze livestock on treated area or cut for stock food for 21 DAYS after spray application.

Diquat

Harvest: DO NOT harvest for 4 days after application.

Grazing: DO NOT allow livestock to graze treated area or cut for stock food for 2 DAYS after spray application.

Haloxypop

Harvest: Not required when used as directed.

Grazing: DO NOT graze livestock on treated area or cut for stock food for 28 DAYS after spray application.

Quizalofop-P-ethyl

Harvest: DO NOT harvest for 11 weeks after application.

Grazing: DO NOT graze livestock on treated area or cut for stock food for 28 DAYS after spray application.

Insecticides**Restrains:**

- DO NOT apply more than 40 g ai/ha (400 mL product/ha) per season to any one crop.

| Crop | Target Insects | Rate |
|----------------------------|--|---|
| INDUSTRIAL HEMP | Native Budworm, Cabbage White Butterfly, Cabbage Moth, Cutworm, Common Armyworm, Southern Armyworm | <u>Alpha-cypermethrin</u> 200 – 300 mL product /ha |

Critical Use Conditions:Alpha-cypermethrin

- Apply when damaging pest numbers first appear on the crop and repeat if necessary.
- For control of native budworm (*Helicoverpa* spp.), apply at egg hatch when newly emerged larvae first appear on the crop. DO NOT apply cover spray when large larvae (>5 mm in length) predominate.
- Apply using correctly calibrated ground boom sprayer, or similar equipment, using a minimum water volume of 160 - 200 L/ha.
- Add non-ionic wetter as recommended on product label.
- Observe *Safety Directions and Re-entry period* listed on the product label.
- DO NOT spray on plants in flower while bees are foraging.
- DO NOT apply when rain is expected within 3 hours of spray application.

Withholding Period:

Harvest: DO NOT harvest for 21 days after application.

Grazing: DO NOT graze livestock on treated area or cut for stock food for 21 DAYS after spray application.

Jurisdiction:

TASMANIA only.

Additional Conditions:

This PERMIT provides for the use of a product in a manner other than specified on the approved label of the product. Unless otherwise stated in this permit, the use of the product must be in accordance with instructions on its label.

PERSONS who wish to prepare for use and/or use the products for the purposes specified in this permit must read, or have read to them, the permit particularly the information included in DETAILS and CONDITIONS of the permit.

To Avoid Crop Damage:

It is advisable to avoid spraying of emerging crops where possible. “Over-the-top” spray application has not been fully evaluated for industrial hemp crops under all growing conditions, and should only be considered a treatment option following trials that show hemp plants will tolerate herbicide application at the proposed rate and at the crop growth stages when treatment will be applied. Initially treat target weeds in a small area within the crop when “over-the-top” spray is to be applied, and closely monitor plant health. Discontinue applications when any adverse symptoms post-treatment are observed.

Issued by the Australian Pesticides and Veterinary Medicines Authority