PERMIT TO ALLOW USE OF VARIOUS PRODUCTS IN ACCORDANCE WITH UPDATED SPRAY DRIFT MANAGEMENT INSTRUCTIONS

SECTION 112 OF THE AGRICULTURAL AND VETERINARY CHEMICALS CODE SCHEDULED TO THE *AGRICULTURAL AND VETERINARY CHEMICALS CODE ACT* 1994

PERMIT NUMBER – PER87570
Optical Spot Spraying Technology (OSST)

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.

The purpose of this permit is to allow the use of the specified products in a manner that is not consistent with the approved label in regards to spray drift restraints.

THIS PERMIT IS IN FORCE FROM 20 December 2018 to 2 October 2019.

Permit Holder:
NUFARM AUSTRALIA LIMITED
103-105 Pipe Road
Laverton North VIC 3026

Persons who can use the product under this permit:
Persons generally.

APVMA Approved Products

APVMA Product No.	Product Name
66167	NUFARM AMICIDE ADVANCE 700 SELECTIVE HERBICIDE
62751	TROOPER 75-D HERBICIDE

Jurisdiction:
ALL STATES.

Conditions of Use:

The products must be used in accordance with the *Directions for Use* specified in this Permit.

Use with a boom fitted with Optical Spot Spraying Technology (OSST) up to a maximum boom height of 0.75 metres with a COARSE spray droplet and **weed cover no greater than 10%**.

THIS IS A PHENOXY HERBICIDE THAT CAN CAUSE SEVERE DAMAGE TO NATIVE VEGETATION AND SUSCEPTIBLE CROPS SUCH AS COTTON, GRAPES, TOMATOES, OILSEED CROPS AND ORNAMENTALS.

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

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 buffer 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 allow bystanders to come into contact with the spray cloud.

DO NOT apply unless the wind speed is between 3 and 15 kilometers per hour at the application site during the time of application.

Recognising a surface temperature inversion

A surface temperature inversion is likely to be present if:

- Mist, fog, dew or a frost have occurred
- Smoke or dust hangs in the air and moves sideways, just above the ground surface
- Cumulus clouds that have built up during the day collapse towards evening
- Wind speed is constantly less than 11 km/hr. in the evening and overnight
- Cool off-slope breezes develop during the evening and overnight
- Distant sounds become clearer and easier to hear
- Aromas become more distinct during the evening than during the day.

Information from GRDC Fact Sheet: 'Surface Temperature Inversions and Spraying', Jul 2014.

Spray timing

- Spray during the day wherever possible. Vertical mixing of the air makes surface temperature inversions unlikely and will reduce the risk of drift caused by surface temperature inversions.
- There is a very low risk of surface temperature inversion when there is continuous overcast weather, with low and heavy cloud and/or wind speed remains above 11km/h for the whole period between sunset and sunrise.
- A lack of suitable weather conditions for spraying over extended periods is not an excuse for spraying in unsuitable conditions.

DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.

DO NOT use if rain is likely within 6 hours.

Monitoring and record keeping

Users of this product **MUST** make an accurate written record of the details of each spray application within 24 hours following application and KEEP this record for a minimum of 2 years.

1- date of use with start and finish times of application;
2- the specific location which must include address and paddock/s sprayed;
3- Product trade name (full name) of the product being used;
4- rate of application which must include the amount of product used per hectare and number of hectares applied to;
5- % weed ground cover at the time of application. This involves surveying the area to be sprayed and recording the highest density of weeds found;
6- GPS coordinates so that compliance with downward buffer distances can be determined.
7- situation, crop or commodity to which the chemical was applied;
8- wind speed and direction during application;
9- air temperature and relative humidity during application;
10- nozzle brand, model, size, type, and spray system pressure measured during application;
11- height of spay boom from ground ;
12- name and contact details of person applying this product

(Additional record keeping and/or details may be required by the state or territory where this product is used).

Watch for changes in weather conditions. Stop spraying immediately if a surface temperature inversion occurs or if spraying conditions become unsuitable for any other reason.

Issued by

Australian Pesticides and Veterinary Medicines Authority
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DIRECTIONS FOR USE FOR BOOM SPRAYERS FITTED WITH OPTICAL SPOT SPRAY TECHNOLOGY

<table>
<tr><th>Product</th><th>New SPRAY DRIFT PERMIT INSTRUCTIONS that
<u>ARE REQUIRED</u> to be complied with (things permitted to be done)</th></tr>
<tr><td rowspan="2">NUFARM AMICIDE ADVANCE 700 SELECTIVE HERBICIDE</td><td>Apply a maximum rate of 4.8L/100 L
DO NOT apply with spray droplets smaller than COARSE or larger droplet size category as referenced to ASAE S572 Standard (including all newer versions such as S572.1) or BCPC or ISO 25358.
DO NOT use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Restraint.</td></tr>
<tr><td>BOOM SPRAYERS (ground application)
DO NOT apply by a boom sprayer fitted with Optical Spot Spraying Technology unless the following requirements are met:
spray droplets not smaller than a COARSE (C) spray droplet size category
boom heights 0.75 meters or lower above the ground
weed cover no greater than 10% (maximum application rate per hectare 480 mL/ha when applied as directed in section 5 of the Directions for Use table on the product label)
minimum distances between the application site and downwind sensitive aquatic and wetland areas including aquacultural ponds, surface streams and rivers (see Aquatic ‘Downwind mandatory no-spray zone’ section of the following table titled ‘Buffer zones for boom sprayers’) are observed.
minimum distances between the application site and downwind sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat (see Terrestrial ‘Downwind mandatory no-spray zone’ section of the following table titled ‘Buffer zones for boom sprayers’) are observed. The buffer zones provide guidance but may not always be completely protective of all agricultural crops.
BUFFER ZONES FOR BOOM SPRAYERS:<table><tr><th rowspan="2">Application rate</th><th colspan="2">Downwind mandatory no spray zone</th></tr><tr><th>Aquatic</th><th>Terrestrial</th></tr><tr><td colspan="3">Dryland cropping: fallows</td></tr><tr><td>4.8L/100L (with a sprayer calibrated to spray the equivalent of 100L/ha)</td><td>20 meters</td><td>20 meters</td></tr></table></td></tr>
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<tr><td>TROOPER 75-D HERBICIDE</td><td>Apply a maximum rate of 4.0L/100 L
DO NOT apply with spray droplets smaller than COARSE or larger droplet size category as referenced to ASAE S572 Standard (including all newer versions such as S572.1) or BCPC or ISO 25358.
DO NOT use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Restraint.</td></tr>
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boom heights 0.75 meters or lower above the ground
weed cover no greater than 10% (maximum application rate per hectare 400 mL/ha when applied as directed in section 5 of the Directions for Use table on the product label)
minimum distances between the application site and downwind sensitive aquatic and wetland areas including aquacultural ponds, surface streams and rivers (see Aquatic ‘Downwind mandatory no-spray zone’ section of the following table titled ‘Buffer zones for boom sprayers’) are observed.
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