



PERMIT TO ALLOW MINOR USE OF AN AGVET CHEMICAL PRODUCT

FOR THE CONTROL OF ENVIRONMENTAL WEEDS IN NON-CROP AREAS

PERMIT NUMBER – PER11463

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 1 JULY 2009 TO 30 JUNE 2023.

Permit Holder:

BIOSECURITY QUEENSLAND
Level 3C East, Ecosciences Precinct
41 Boggo Road
DUTTON PARK QLD 4102

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Products to be used:

ACCESS HERBICIDE (46640)

PLUS OTHER REGISTERED PRODUCTS

Containing: 120g/L PICLORAM and 240g/L TRICLOPYR as their only active constituents.

APPARENT SLOGGER HERBICIDE (69630)

PLUS OTHER REGISTERED PRODUCTS

Containing: 100 g/L PICLORAM and 200g/L TRICLOPYR as the only active constituent.

ARSENAL HERBICIDE (47465)

PLUS OTHER REGISTERED PRODUCTS

Containing: 250g/L IMAZAPYR as their only active constituent.

ARSENAL EXPRESS HERBICIDE (55756)

PLUS OTHER REGISTERED PRODUCTS

Containing: 150g/L IMAZAPYR PRESENT AS THE ISOPROPYLAMINE SALT and 150g/L GLYPHOSATE PRESENT AS IOSPROPYLAMINE SALT as their only active constituents.

ARSENAL SUPER HERBICIDE (68618)

PLUS OTHER REGISTERED PRODUCTS

Containing: 240 g/L IMAZAPYR PRESENT AS THE ISOPROPYLAMINE SALT

BRUSH-OFF BRUSH CONTROLLER (46401)

PLUS OTHER REGISTERED PRODUCTS

Containing: 600g /kg METSULFURON-METHYL as their only active constituent.

FARMOZ ZULU 300 HERBICIDE (55029)

PLUS OTHER REGISTERED PRODUCTS

Containing: 300 g/L 2,4-D AS THE ISOPROPYLAMINE SALT as their only active constituent.

FLAGSHIP 400 EC HERBICIDE (81272)

PLUS OTER REGISTERED PRODUCTS

Containing: 400 g/L FLUROXYPYR AS THE METHYL HEPTYL ESTER as the only active constituent.

FUSILADE FORTE 128EC HERBICIDE (58521)

PLUS OTHER REGISTERED PRODUCTS

Containing: 128 g/L FLUAZIFOP-P AS THE BUTYL ESTER as their only active constituent.

FUSILADE POST-EMERGENCE SELECTIVE HERBICIDE (45367)

PLUS OTHER REGISTERED PRODUCTS

Containing: 212 g/L FLUAZIFOP-P AS THE BUTYL ESTER as the only active constituent.

GARLON 600 HERBICIDE (31898)

PLUS OTHER REGISTERED PRODUCTS

Containing : 600 g/L TRICLOPYR as their only active constituent.

GENFARM IMAZAPYR 750 SG HERBICIDE (85107)
PLUS OTHER REGISTERED PRODUCTS
Containing: 750 g/kg IMAZAPYR as the only active constituent.

GRAZON DS HERBICIDE (31558)
PLUS OTHER REGISTERED PRODUCTS
Containing: 100 g/L PICLORAM and 300g/L TRICLOPYR as their only active constituents.

GRAZON EXTRA HERBICIDE (60830)
PLUS OTHER REGISTERED PRODUCTS
Containing: 300 g/L TRICLOPYR PRESENT AS THE BUTOXYETHYL ESTER,
100 g/L PICLORAM PRESENT AS THE HEXYLOXYPROPYLAMINE SALT and
8 g/L AMINOPYRALID PRESENT AS HEXYLOXYPROPYLAMINE SALT as their only
active constituents.

HOTSHOT HERBICIDE (59173)
PLUS OTHER REGISTERED PRODUCTS
Containing: 10g/L AMINOPYRALID PRESENT AS TRIISOPROPANOLAMINE SALT and
140g/L FLUROXYPYR AS THE METHYL HEPTYL ESTER as their only active
constituents.

KAMBA 500 SELECTIVE HERBICIDE (51080)
PLUS OTHER REGISTERED PRODUCTS
Containing: 500 g/L DICAMBA AS THE DIMETHYLAMINE SALT as their only active
constituent.

KAMBA 750 SELECTIVE HERBICIDE (69302)
PLUS OTHER REGISTERED PRODUCTS
Containing: 750 g/L DICAMBA AS THE DIMETHYLAMINE AND
MONOMETHYLAMINE SALTS as their only active constituents.

KAMBA M SELECTIVE HERBICIDE (49906)
PLUS OTHER REGISTERED PRODUCTS
Containing: 80g/L DICAMBA AS THE DIMETHYLAMINE SALT and 340g/L MCPA AS
THE DIMETHYLAMINE SALT as their only active constituents.

NUFARM AMICIDE 625 SELECTIVE HERBICIDE (52904)
PLUS OTHER REGISTERED PRODUCTS
Containing: 625g/L 2,4-D dimethylamine and diethanolamine as their only active constituent.

NUFARM AMICIDE 720 SELECTIVE HERBICIDE (62691)
PLUS OTHER REGISTERED PRODUCTS
Containing: 720 g/L 2,4-D PRESENT AS THE DIMETHYLAMINE SALT as their only active
constituent.

NUFARM AMICIDE ADVANCE 700 SELECTIVE HERBICIDE (66167)
PLUS OTHER REGISTERED PRODUCTS
Containing: 700 g/L 2,4-D PRESENT AS THE DIMETHYLAMINE AND
MONOETHYLAMINE SALTS as their only active constituent.

NUFARM MCPA 500 SELECTIVE HERBICIDE (31754)
PLUS OTHER REGISTERED PRODUCTS
Containing: 500g/L MCPA AS THE DIMETHYLAMINE SALT as their only active
constituent.

ROUNDUP HERBICIDE (31393)
PLUS OTHER REGISTERED PRODUCTS
Containing: GLYPHOSATE as their only active constituent.

STARANE 200 HERBICIDE (40352)
PLUS OTHER REGISTERED PRODUCTS
Containing: 200g/L FLUROXYPYR AS THE METHYL HEPTYL ESTER as their only active constituent.

STARANE ADVANCED HERBICIDE (62287)
PLUS OTHER REGISTERED PRODUCTS
Containing: 333g/L FLUROXYPYR AS THE METHYL HEPTYL ESTER as their only active constituent.

TORDON 75-D HERBICIDE (40487)
PLUS OTHER REGISTERED PRODUCTS
Containing: 300g/L 2,4-D AS THE TRIISOPROPANOLAMINE SALT and 75g/L
PICLORAM AS THE TRIISOPROPANOLAMINE SALT as their only active constituent.

TORDON REGROWTHMASTER HERBICIDE (67378)
PLUS OTHER REGISTERED PRODUCTS
Containing: 100g/L PICLORAM AS THE TRIISOPROPANOLAMINE, 200g/L TRICLOPYR
AS THE TRIETHYLAMINE and 25g/L AMINOPYRALID AS THE
TRISOPROPANOLAMINE SALT as their only active constituents.

TROUNCE BRUSH-PACK HERBICIDE BY MONSANTO (47017)
PLUS OTHER REGISTERED PRODUCTS
Containing: 835 g/kg GLYPHOSATE PRESENT AS THE MONO-AMMONIUM SALT and
10 g/kg METSULFURON-METHYL as their only active constituents.

VERDICT 520 HERBICIDE (50643)
PLUS OTHER REGISTERED PRODUCTS
Containing: 520g/L HALOXYFOP-R AS HALOXYFOP-R METHYL ESTER as their only
active constituent.

DIESEL DISTILLATE FUEL BY ANY PETROLEUM COMPANY

Directions for Use:

RESTRAINT: DO NOT use in pastures

Situation	Pest	Rate
Non-agricultural areas, domestic and public service areas, commercial and industrial areas, bushland/ native forests, roadsides, rights of way, vacant lots, wastelands, wetlands, dunal and coastal areas.	Environmental weeds	Apply in accordance with instructions as contained in Attachment 1 .

Critical Use Comments:

Apply in **strict** accordance with information listed in **Attachment 1**.

Apply by ground based application equipment **only**.

For further information regarding specific use situations covered by this permit, refer to the permit holder Biosecurity Queensland.

USE OF PRODUCT FORMULATIONS IN AQUATIC SITUATIONS:

Only those specific products which have label approvals currently in place for aquatic use, may be used in or near aquatic areas.

Withholding Period:

NOT APPLICABLE

Jurisdiction:

QLD **only**.

ADDITIONAL CONDITIONS:

Use in accordance with **Attachment 1**.

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 products for the purposes specified in this permit must read, or have read to them, the details and **CONDITIONS** of this permit.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Note: Permit amended to extend expiry date until 30 June 2023 and update product list and directions for use table.
Permit version 5 issued 4 June 2018.

ATTACHMENT - 1

APVMA OFF-LABEL PERMIT – PER11463 HERBICIDES FOR THE CONTROL OF ENVIRONMENTAL WEEDS IN NON-AGRICULTURAL AREAS (QLD) APPLY BY GROUND-BASED APPLICATION EQUIPMENT ONLY.

Non-agricultural areas, domestic and public service areas, commercial and industrial areas, bushland/ native forests, roadsides, rights of way, vacant lots, wastelands, wetlands, dunal and coastal areas			
Active Ingredient (a. i.)	Weed	Rate	Application Method and Comment
2,4-D 300 g/L e.g. Farnoz Zulu 300 Herbicide	Broadleaf weeds, shrubs, vines and rhizomatous weeds	Up to 95 mL / 15 L water or up to 625 mL / 100 L water or up to 6.25 L/ha	Spot spray. Refer to product label for critical use comments.
2,4-D 625 g/L e.g. Nufarm Amicide 625 Selective Herbicide		Up to 45mL / 15 L water or up to 300mL/100 L water or up to 3 L /ha	
2,4-D 700 g/L e.g. Nufarm Amicide 700 Advance		Up to 40 mL per 15 L water or up to 267 mL / 100 L water or up to 2.7 L / ha	
2,4-D 720 g/L e.g. Nufarm Amicide 720 Selective Herbicide		Up to 39 mL / 15 L water or up to 260 mL / 100 L water or up to 2.6 L / ha	
2,4-D 300 g/L + Picloram 75 g/L e.g. Tordon 75-D Herbicide	Broadleaf weeds, shrubs, bulbs and vines	Up to 150 mL / 15 L water or up to 1 L /100 L water	Spot spray. Add a wetting agent according to label instructions. Consult label for critical use comments.
Dicamba 500 g/L e.g. Kamba 500 Selective Herbicide	Broadleaf weeds including shrubs and vines, in particular environmental weeds belonging to Apocynaceae, Asteraceae, Bignoniaceae, Boraginaceae Chenopodiaceae,	Up to 130 mL / 15 L water or up to 600 mL / 100 L water or up to 8.8 L / ha	Spot spray. Apply using a minimum of 1500L/ha water. Use a wetting agent as per label instructions for non-crop situations. Consult label for critical use comments.

Dicamba 750 g/L e.g. Kamba 750 Selective Herbicide	Convolvulaceae, Fabaceae and Polygonaceae families	Up to 86 mL / 15 L water or up to 400 mL / 100L water or up to 5.8 L / ha	
Diesel	Vines and herbs	Sufficient amount as required to treat target weeds	Paint or spot spray crowns.
Fluazifop 128 g/L e.g. Fusilade Forte 128EC Herbicide	Annual and perennial grasses	30 - 240 mL / 15 L water or 200 mL - 1.6 L / 100L or up to 6.6 L / ha	Spot spray. Use the lower spot spraying application rate when targeting grass weeds that are growing actively at the 5 leaf to early tillering stage. The higher spot spray application rate should be used when targeting established and actively growing grass weeds. Addition of an adjuvant is not necessary for Fusilade Forte.
Fluazifop 212 g/L e.g. Fusilade Post-Emergence Selective Herbicide		19 - 150 mL / 15 L water or 125 mL - 1 L per 100 L water or up to 4 L / ha	Always add wetting agent or spray oil according to label mixing instructions. When spot spraying thorough coverage is required Use the lower spot spraying application rate when targeting grass weeds that are growing actively at the 5 leaf to early tillering stage. The higher spot spray application rate should be used when targeting established and actively growing grass weeds.
Fluroxypyr 200 g/L e.g. Starane 200 Herbicide	Woody weeds	75 - 225 mL/ 15 L water or 500 mL - 1.5 L / 100 L water or 5 - 10 L / ha	Spot spray. Consult label for critical use comments. Do not spray if rain is likely within one hour.
Fluroxypyr 333 g/L e.g. Starane Advanced Herbicide		45-135 mL / 15 L water Or 300 - 900 mL / 100 L water Or 3 - 6 L / ha	
Fluroxypyr 400 g/L e.g. Flagship 400 Herbicide		38 - 113 mL / 15 L water Or 250 - 750 mL / 100 L water Or 2.5 - 5 L / ha	
Fluroxypyr 200 g/L e.g. Starane 200 Herbicide		500 - 1000 mL / 10 L water	Low volume/High concentration application e.g. Drench, splatter gun, sprinkler sprayer or gas powered gun. Do not spray if rain is likely within one hour.
Fluroxypyr 333 g/L e.g. Starane Advanced Herbicide		300 - 600 mL / 10 L water	

Fluroxypyr 400 g/L e.g. Flagship 400 Herbicide		250 - 500 mL / 10 L water	
Fluroxypyr 200 g/L e.g. Starane 200 Herbicide	Woody weeds	225 - 750 mL / 15 L water or 1.5 - 5 L / 100 L diesel	Basal bark, or cut stump/brush-cutter application. Do not spray if rain is likely within one hour.
Fluroxypyr 333 g/L e.g. Starane Advanced Herbicide		135-450 mL / 15 L water or 900 mL - 3 L / 100 L diesel	
Fluroxypyr 400 g/L e.g. Flagship 400 Herbicide		112 - 375 mL / 15 L water or 750 mL - 2.5 L / 100 L diesel	
Fluroxypyr 140 g/L Aminopyralid 10 g/L Liquid hydrocarbon 418 g/L e.g. Hotshot Herbicide	Broad-leaf weeds, Lantana and certain pasture weeds.	75 - 105 mL / 15 L water or 500 - 700 mL / 100 L water	High volume treatment/Spot spray. As per label instructions.
Glyphosate 835 g/kg + Metsulfuron-methyl 10 g/kg e.g. Trounce Brush-Pack Herbicide By Monsanto	Annual and Perennial grass and broadleaf weeds	173 g pack per 100 L water plus wetting agent	Spot Spray
Haloxypop 520 g/L e.g. Verdict 520 Herbicide	Annual and perennial grasses	1 - 7.5 mL / 15 L water - water volume or 6 - 50 mL / 100 L water or 100 - 800 mL/ha	Spot spray. Always add a wetting agent or spray oil as per label instructions under 'General Instructions'. Do not spray if rain is likely to occur within one hour. Do not apply to weeds which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (waterlogged or drought affected), poor nutrition or previous herbicide treatment as reduced levels of control may result.
Imazapyr 240 g/L e.g. Arsenal Super Herbicide or Imazapyr 250 g/L e.g. Arsenal Herbicide	Chincherinchee (<i>Ornithogalum</i> spp.), annual and perennial grass and broadleaf weeds	60-90 mL / 15 L water or 400 - 600 mL / 100 L water or 4 to 6 L/ha	Spot spray. Add a wetting agent as per label instructions. DO NOT apply on or near desirable trees or other plants, or in areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
Imazapyr 750 g/kg e.g. Genfarm Imazapyr 750 SG Herbicide		20-30 g / 15 L water or 130 - 200 g / 100 L water or 1.3 - 2 kg/ha	

Imazapyr 150 g/L + Glyphosate 150 g/L e.g. Arsenal Express Herbicide	Annual and perennial weeds.	105-150 mL/ 15 L water or 700-1000 mL/100 L water or 7 - 10 L / ha	Medium to high volume spray. Pre or post emergent application. As per label instruction.
MCPA 500 g/L e.g. Nufarm MCPA 500 Selective Herbicide	Broadleaf weeds and vines including Asteraceae and Geraniaceae Convolvulaceae .	75-150 mL / 15 L water or 500 mL - 1 L/100 L water or 5 to10 L/ha	Spot spray. Add a wetting agent as per label instructions.
MCPA 340 g/L + Dicamba 80 g/L e.g. Kamba M Selective Herbicide	Polygonaceae, Fabaceae, Bignoniaceae and Asclepiadaceae, Convolvulaceae, Apiaceae and Asteraceae weeds.	Up to 80 mL / 15 L water Or up to 350 mL / 100 L water 5.2 L/ha	Spot spray.
Metsulfuron-methyl 600 g/Kg e.g. Brush Off Brush Controller	Annual and perennial broadleaf weeds, bulbs, shrubs Paspalum spp	Up to 1.5 g / 15 L water or 10 - 15 g / 100 L water or up to 150 g/ha	Spot spray. Always add a wetting agent as per label instructions under 'Use of a Surfactant/Wetting Agent'. Refer to product label for critical use comments.
	Annual and perennial broadleaf weeds, bulbs, shrubs and cacti	2 g per 1 L water at 1 ml per 2 cm of hole or cut	Drill, frill, axe or stem injection.
Triclopyr 200 g/L + Picloram 100 g/L+ Aminopyralld 25 g/L e.g. Tordon RegrowthMaster Herbicide OR Triclopyr 200 g/L + Picloram 100 g/L e.g. Apparent Slogger Herbicide	Woody weeds, vines and trees	75 mL / 15 L water or 500 mL / 100 L water	Spot spray where residual weed control is required away from waterways.
Triclopyr 200 g/L + Picloram 100 g/L+ Aminopyralld 25 g/L e.g. Tordon RegrowthMaster Herbicide or Triclopyr 200 g/L + Picloram 100 g/L e.g. Apparent Slogger Herbicide	Woody weeds, vines, trees, and cacti	1 L / 4 L water	Drill, frill, axe or stem injection.

Triclopyr 200 g/L + Picloram 100 g/L+ Aminopyralid 25 g/L e.g. Tordon RegrowthMaster Herbicide or Triclopyr 200 g/L + Picloram 100 g/L e.g. Apparent Slogger Herbicide	Woody weeds, vines, trees and cacti	750 mL / 15 L water	Cut stumps to less than 10cm above the ground and immediately paint stump after cutting. OR spot spray cut stump.
Triclopyr 240 g/L + Picloram 120 g/L e.g. Access Herbicide	Woody weeds, vines, trees and cacti	250 mL per 15 L in diesel or other suitable carrier as per product label general instructions	Either paint stump immediately after cutting, Or paint, Or spray basal bark.
	Woody weeds, vines and trees with smooth bark, and stems up to 5 cm diameter	1 L per 10 L diesel.	Thinline application method: Spray the bark around the stem from ground level up to 5cm high. Refer to product label for further instruction.
Triclopyr 300 g/L + Picloram 100 g/L + Aminopyralid 8 g/L e.g. Grazon Extra Herbicide or Triclopyr 300 g/L + Picloram 100 g/L e.g. Grazon DS Herbicide	Woody weeds, vines, trees and cacti.	53-75 mL / 15 L water or 350 mL - 500 mL / 100 L water	Spot spraying where residual weed control is required. Add a wetting agent or spray oil according to label instructions.
		350-500 mL / 10 L water plus wetting agent	Low volume/High concentration application e.g. Drench, splatter gun, sprinkler sprayer or gas powered gun. Refer to product label for appropriate wetter. Read product label thoroughly.
Triclopyr 600 g/L e.g. Garlon 600 Herbicide	Annual and perennial broadleaf weeds	50 mL / 15L water or 330 mL / 100 L water	Spot spray.
	Annual and perennial broadleaf weeds	17 mL per 1 L diesel	Basal bark spray or cut stump application.

IMPORTANT NOTE:

Only the glyphosate, 360 g/L product is shown on the Table below.

Use the formula at the end of Table to calculate the volume needed for other formulations.

Crop/Animal/Situation			
Non-Crop Areas			
Active Ingredient (a. i.)	Weed	Rate	Application Method and Comment
Glyphosate 360 g/L Products registered for use in aquatic situations e.g. Round-up Biactive Herbicide by Monsanto, Weedmaster, Duo etc.	Annual and perennial grass and broadleaf weeds	1L per 100 L water. Or 10 L/ha. boom Or label rate for specific weed.	Spot spray in aquatic and wetland areas.
Glyphosate 360 g/L e.g. Roundup Herbicide	Annual and perennial grass and broadleaf weeds	1L per 100 L water. Or 10 L/ha. boom Or label rate for specific weed.	Spot spray in dry land areas.
Glyphosate (other formulations)	Annual and perennial grass and broadleaf weeds	360 g a.i. per 100 L water. Or label rate for specific weed.	Spot spray in dry land areas. See formula below for calculation of product volume
Glyphosate 360 g/L	Woody weeds and trees	Undiluted to 1L per 2L water at 1 mL per 2 cm of hole or cut	Drill, frill, axe or stem injection.
Glyphosate 360 g/L	Woody weeds and trees	Undiluted to 1 L per 12 L water	Paint stump immediately after cutting, Or paint basal green bark. and/or crown.
Glyphosate 360 g/L	Vines such as Madiera Vine (<i>Anredera cordifolia</i>)	10 mL/L 1part product to 2 parts water (e.g. 10 mL in 20 mL water)	Apply to healthy, actively growing vines only. Apply as a foliar application, up to twice a year. Apply only when supporting plant and under-story is dead. Apply early autumn (March-April). Do not spray beyond point of run off. Apply as cut stump application, in spring to summer, before tubers proliferate. Apply second application if necessary.
Glyphosate 360 g/L	Annual and perennial grass and broadleaf weeds	Undiluted to 1 L per 20 L water	Wipe onto leaves Or Splatter Gun at 5mL/30 cm ht. or growing points.
Glyphosate 360 g/L	Annual and perennial grass and broadleaf weeds	1 L per 20 L water	Sprinkler Sprayer Or Splatter Gun at 5mL/30 cm ht. or growing points.

FORMULA:

Volume of product in table A = ____
g ai/L of product in table B = ____
g ai/L or kg of product in shed C = ____
Volume of new product = A × B ÷ C

Example:

Product in table: Glyphosate 360 g/L	Rate in table: 1L per 100 L water.
Product in shed	700 g ai/kg

A: Volume of product in table	1 L	per 100L water
B: g ai/L of product in table	360 g/L	
C: g ai/L of product in shed	700 g/kg	
Volume of product in shed = A × B ÷ C = 1 × 360 ÷ 700 =	0.51 kg	per 100L water