



**PERMIT AUTHORISING USE, OF CERTAIN AGRICULTURAL CHEMICAL  
PRODUCTS CONTAINING THE ACTIVE CONSTITUENT  
2,4,-DICHLOROPHENOXYACETIC ACID (2,4-D), AND NOZZLE SELECTION TO  
ACHIEVE MANDATORY VERY COARSE OR LARGER DROPLET SIZE CATEGORIES  
FOR AERIAL APPLICATION**

**Explanatory note**

The APVMA suspended (effective 1 October 2019) the label approvals of all products containing 2,4-D and has issued new instructions targeted to reduce spray drift occurrences and damage to sensitive off target crops under permit PER87174.

This permit has also been issued to address matters relating to aerial application of 2,4-D by providing further information on how to comply with droplet spectra requirements and to provide access to alternative uses in a number of situations whilst continuing to address spray drift concerns.

**PERMIT NUMBER - PER 87451**

**THIS PERMIT IS IN FORCE FROM 1 OCTOBER 2019 UNTIL 30 SEPTEMBER 2020.**

This permit is issued under s45B of the AgVet Codes in the jurisdictions set out below. This permit allows the use of registered products containing 2,4-D bearing suspended labels, according to the instructions in this permit in addition to those on the label attached to the product. 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 products listed in Tables 1 below can be used in the manner specified in this permit.

**Jurisdiction:**

This permit applies in every state and territory.

**Persons who can use the product under this permit:**

This permit applies to persons generally.

**Instructions for possessing, having custody of, or using the product**

This permit must be read in conjunction with permit **PER 87174** - Authorising Possession And Custody, Supply And Use, Of Certain Agricultural Chemical Products Containing The Active Constituent 2,4,-Dichlorophenoxyacetic Acid (2,4-D).

## CONDITIONS OF USE

### Products to be used:

CURRENTLY REGISTERED 2,4-D PRODUCTS FOR AERIAL APPLICATION

Containing either: ISOPROPYLAMINE, TRIISOPROPANOLAMINE, DIMETHYLAMINE, DIETHANOLAMINE, MONOMETHYLAMINE, CHOLINE or SODIUM SALT (as outlined in Table 1)

This permit does not include aerial application of ETHYLHEXYL ESTER, ETHYL ESTER or ISOBUTYL ESTER formulations of 2,4-D.

**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.**

### RESTRAINTS

**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 kilometres per hour at the application site during the time of application.

**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

### 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** apply with spray droplets smaller than **VERY COARSE** spray droplets according to this permit, or the ASAE S572.1 definition for standard nozzles, or the AAAA Nozzle Calculator, or the USDA-ARS Aerial Spray Nozzle Models.

**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. The spray application details that must be recorded are: 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- situation, crop or commodity to which the chemical was applied; 6- wind speed and direction during application; 7- air temperature and relative humidity during application; 8- nozzle brand, model, size, type, and spray system pressure measured during application; 9- height of spray boom from ground ; 10- 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.**

## **DIRECTIONS FOR USE**

To enable aerial application of 2,4-D products under PER87174 and permit PER87451 the following instructions are provided:

### **1. Nozzle selection to achieve mandatory VERY COARSE or Larger Droplet Size Categories for aerial application.**

#### **Important Information**

These instructions inform users of 2,4-D products how to lawfully comply with the requirement of a VERY COARSE or larger spray droplet size category for aerial spray application.

**Complying with the requirement to use a specific droplet size category means using the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. Only the following specific methods can be used for choosing the correct nozzle. Use one of the methods specified in these instructions to select a correct nozzle to deliver a VERY COARSE or larger droplet size category for aerial application.**

## **SECTION 1 Instructions for Fixed-Wing Aerial Application – for VERY COARSE droplet size or larger categories**

Instructions in this section apply to fixed-wing aerial application of products for which a label or a permit Spray Drift Restraint requires VERY COARSE spray droplet category.

Nozzle choices must be made using Option 1 or 2 below.

### **Mandatory Instructions for Fixed-Wing Aerial Applications**

#### **Option 1**

For up to a maximum aircraft speed of 120 knots and a VERY COARSE droplet size category, USE ONLY narrow angle flat fan nozzles with spray angle less than or equal to 25, orifice size 20 or greater and oriented straight back to the flight direction. USE ONLY a spray system pressure greater than or equal to 4 bar.

### **Mandatory Instructions for Fixed-Wing Aerial Applications (continued)**

#### **Option 2**

USE ONLY nozzles rated by the APVMA Approved AAAA Nozzle Calculator or the USDA-ARS Aerial Spray Nozzle Models as VERY COARSE to comply with a product label's requirement for a VERY COARSE spray droplet size category. When using the AAAA Nozzle Calculator or the USDA-ARS Aerial Spray Nozzle Models, aerial applicators must also follow the additional instructions below in (a), (b) and (c).

(a) Aerial applicators must only use the droplet size category given in the nozzle calculator at the  $D_{V(0.1)}$  position to identify a nozzle to comply with the required spray droplet category. The categories shown at the  $D_{V(0.5)}$  and the  $D_{V(0.9)}$  positions in the calculator must not be used for making a nozzle selection.

(b) Aerial applicators must not apply at airspeeds greater than that speed used to select the nozzle. A nozzle identified as VERY COARSE can also be used at slower airspeeds provided that the nozzle angle and system pressure are kept the same.

(c) When a particular pesticide product is chosen within the nozzle calculator as one of the conditions set to select a nozzle, then aerial applicators must use that specific pesticide product with that nozzle.

*Note – contact the Aerial Application Association of Australia (<https://aaaa.org.au/>) for information on how to obtain access to the APVMA Approved AAAA Nozzle Calculator; the USDA-ARS Aerial Spray Nozzle Models can be downloaded from their website (<https://www.ars.usda.gov/plains-area/college-station-tx/southern-plains-agricultural-research-center/aerial-application-technology-research/docs/a-models/>).*

## **SECTION 2 Instructions for Helicopter Aerial Application – for VERY COARSE droplet size or larger categories**

Instructions in this section apply to helicopter application of products where a label or a permit Spray Drift Restraint requires VERY COARSE spray droplet category.

Nozzle choices must be made using Option 1 or 2 below.

### **Mandatory Instructions for helicopter Aerial Applications**

#### **Option 1**

For helicopter applications requiring a VERY COARSE spray droplet size category, USE ONLY nozzles selected with the methods previously specified for fixed-wing aircraft in Section 1.

**Mandatory Instructions for Helicopter Aerial Applications (continued)**

**Option 2**

When using Accu-Flo nozzles (Bishop Equipment Mfg Inc), USE ONLY nozzles rated according to the manufacturer’s instructions to select the correct nozzle to apply a VERY COARSE or an EXTREMELY COARSE droplet size category to satisfy the label requirement for one of those specific droplet size categories.

**Examples of nozzles and settings that can achieve VERY COARSE or Larger Droplet Size Categories** using Section 1, Option 2 include;

1) For flying speeds up to 120 knots (Fixed wing aircraft):

Nozzle model	Fan Angle (deg)	Deflector	Orifice Size	Orientation to airstream (deg)	Pressure (psi)	Category
CP11TT straight stream	-	--	10	0	40 or higher	Very Coarse
			15		50 or higher	
			20		60 or higher	
CP09	-	0	0.078	0	70 or higher	
			0.125		90 or higher	

2) For flying speeds up to 100 knots (Fixed wing aircraft and Helicopters):

Nozzle model	Fan Angle (deg)	Deflector	Orifice Size	Orientation to airstream	Pressure (psi)	Category
CP09	-	0	0.078	0	30 or higher	Very Coarse
			0.125		35 or higher	
CP11TT straight stream	-		10 or larger	0	40 or higher	Extremely Coarse

3) For flying speeds up to 60 knots (Helicopters):

Nozzle model	Fan Angle (deg)	Deflector	Orifice Size	Orientation to airstream	Pressure (psi)	Category
CP09	-	30	0.078	0	30 or higher	Very Coarse
			0.125		30 or higher	Extremely Coarse
CP03	0		0.062 or larger	0	30	Extremely Coarse
STANDARD Flat Fan	40	-	6 or larger	0	30 or higher	Very Coarse
STANDARD Flat Fan	40	-	10 or larger	0	30 or higher	Extremely Coarse
CP11TT FF40	40		6 or larger	0	30 or higher	Very Coarse

## **2. Revised downwind mandatory spray zones for sugar cane based on revised application rate**

### **Aerial application**

**DO NOT** apply by aerial application unless the following requirements are met:

- spray droplets not smaller than a VERY COARSE (VC) spray droplet size category.
- release heights 3 metres or lower above the target canopy.
- Application rate 1250 g ae/ha or lower (equivalent to up to 2 L/ha of 625g 2,4-D/L product)
- 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 aircraft’) 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 aircraft’) are observed. The buffer zones provide guidance but may not always be completely protective of all agricultural crops.

### **BUFFER ZONES FOR AIRCRAFT:**

Application rate (/ha)	Spray droplet size category	Downwind mandatory no spray zone			
		Fixed wing		Helicopter	
		Aquatic	Terrestrial	Aquatic	Terrestrial
<b>Tropical &amp; subtropical uses: Sugarcane</b>					
Up to 1080 g ae/ha	Very Coarse or larger	95 metres	90 metres	90 metres	85 metres
	Extremely Coarse or larger	70 metres	70 metres	70 metres	65 metres
Up to 1250 g ae/ha	Very Coarse or larger	110 metres	100 metres	95 metres	95 metres
	Extremely Coarse or larger	80 metres	75 metres	75 metres	70 metres

### **3. Revised downwind mandatory spray zones for forestry uses for application by helicopter and Accu-Flo nozzle, 0.020 orifice or larger**

#### **Aerial application**

**DO NOT** apply by fixed wing aircraft

**DO NOT** apply by helicopter unless the following requirements are met:

- Accu-Flo™ nozzles with orifice size 0.020 or larger are used.
- flying speed 102 km/hr (55 knots) or slower
- release heights 15 metres or lower above the target canopy
- 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 aircraft’) 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 aircraft’) are observed. The buffer zones provide guidance but may not always be completely protective of all agricultural crops.

#### **BUFFER ZONES FOR AIRCRAFT:**

Application rate (/ha)	Wind speed range at time of application	Downwind mandatory no spray zone	
		Helicopter	
		Aquatic	Terrestrial
<b>Release heights 15 metres or lower above the target canopy</b>			
Up to 1000 g ae/ha	From 7 to 15 kilometres per hour	75 metres	75 metres
	From 3 to 7 kilometres per hour	35 metres	35 metres
<b>Release heights 10 metres or lower above the target canopy</b>			
Up to 1000 g ae/ha	From 7 to 15 kilometres per hour	45 metres	45 metres
	From 3 to 7 kilometres per hour	15 metres	15 metres

#### **Additional Conditions:**

This PERMIT provides for the use of a product in a manner other than specified on the approved label of the product and PER87174. Unless otherwise stated in this permit, the use of the product must be in accordance with instructions on its label and in conjunction with the instructions on APVMA Permit PER 87174.

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.

**Export of treated produce:** Not applicable.

Issued by Australian Pesticides and Veterinary Medicines Authority

**Table 1: 2,4-D CURRENTLY REGISTERED PRODUCTS APPLICABLE FOR USE UNDER PER 87451**

<b>Product No.</b>	<b>Name</b>	<b>Registrant</b>	<b>Product Group</b>
40487	TORDON 75-D HERBICIDE	DOW AGROSCIENCES AUSTRALIA LIMITED	4
41496	NUFARM SODIUM 2,4-D SELECTIVE HERBICIDE	NUFARM AUSTRALIA LIMITED	14b
45724	TORNADO DF HERBICIDE	NUFARM AUSTRALIA LIMITED	14
46314	BATON LOW HERBICIDE	NUFARM AUSTRALIA LIMITED	7
48160	NUFARM 2,4-D 720 SELECTIVE HERBICIDE	NUFARM AUSTRALIA LIMITED	8
50637	ACCENSI 2,4-D AMINE 500 SELECTIVE HERBICIDE	ACCENSI PTY LTD	5
51468	COUNTRY 2,4-D LOW ODOUR 500 SELECTIVE HERBICIDE	GARRARDS PTY LTD	11
52904	NUFARM AMICIDE 625 SELECTIVE HERBICIDE	NUFARM AUSTRALIA LIMITED	9
52999	NUFARM SURPASS 300 HERBICIDE	NUFARM AUSTRALIA LIMITED	2
53722	SMASH 500 LOW ODOUR SELECTIVE HERBICIDE	IMTRADE AUSTRALIA PTY LTD	11
54528	HALLEY 2,4-D IPA 300 HERBICIDE	HALLEY INTERNATIONAL ENTERPRISE (AUSTRALIA) PTY LTD	2
54529	HALLEY 2,4-D AMINE 500 LOW ODOUR HERBICIDE	HALLEY INTERNATIONAL ENTERPRISE (AUSTRALIA) PTY LTD	5
54950	KENSO AGCARE KEN-STAR 300 HERBICIDE	KENSO CORPORATION (M) SDN. BHD.	2
55029	FARMOZ ZULU 300 HERBICIDE	ADAMA AUSTRALIA PTY LIMITED	2
55046	ADAMA 2,4-D AMINE 625 HERBICIDE	ADAMA AUSTRALIA PTY LIMITED	9
55236	NUTURF MILLENNIUM TURF HERBICIDE	AMGROW PTY LTD	16
55427	ACCENSI AMINE 625 SELECTIVE HERBICIDE	ACCENSI PTY LTD	6
55701	CONQUEST AMINE 300 SELECTIVE HERBICIDE	CONQUEST CROP PROTECTION PTY LTD	2
55702	CONQUEST AMINE 625 SELECTIVE HERBICIDE	CONQUEST CROP PROTECTION PTY LTD	9
56179	NUFARM AMICIDE 625-LOW SELECTIVE HERBICIDE	NUFARM AUSTRALIA LIMITED	9
56266	GENEREX GLYMATE 300 HERBICIDE	MACSPRED PTY. LTD.	2
56339	KENSO AGCARE KEN-AMINE 625 SELECTIVE HERBICIDE	KENSO CORPORATION (M) SDN. BHD.	9
56510	APPARENT AFFRAY 300 HERBICIDE	APPARENT PTY. LTD.	13
56719	TITAN AMINE 625 SELECTIVE HERBICIDE	TITAN AG PTY LTD	9
56763	NUFARM AMINE 625 SELECTIVE HERBICIDE	NUFARM AUSTRALIA LIMITED	9
56814	SIPCAM AMINE 625 SELECTIVE HERBICIDE	SIPCAM PACIFIC AUSTRALIA PTY LTD	9
58308	GENEREX 2,4-D AMINE 625 HERBICIDE	MACSPRED PTY. LTD.	9
58508	AMINOZ 625 SELECTIVE WEEDKILLER BY SANONDA	SANONDA (AUSTRALIA) PTY LTD	9



58811	RYGEL AMINE 625 SELECTIVE HERBICIDE	PROFENG AUSTRALIA PTY LTD	9
58914	INCA 625 HERBICIDE	PROTERRA PTY LTD	9
58915	CHOICE LOW ODOUR AMINE 625 HERBICIDE	GROW CHOICE PTY LIMITED	9
58917	INCA 300 HERBICIDE	PROTERRA PTY LTD	2
58925	PACIFIC 2,4-D AMINE 625 HERBICIDE	PACIFIC AGRISCIENCE PTY LTD	9
58927	PACIFIC 2,4-D IPA 300 HERBICIDE	PACIFIC AGRISCIENCE PTY LTD	2
58990	ZEPHYR 625 2,4-D LOW ODOUR HERBICIDE	NUFARM AUSTRALIA LIMITED	9
59436	CHEMAG SMASH 625 LOW SELECTIVE HERBICIDE	IMTRADE AUSTRALIA PTY LTD	6
59600	AMINOZ CT 300 HERBICIDE BY SANONDA	SANONDA (AUSTRALIA) PTY LTD	2
59795	RYGEL 2,4-D IPA 300 HERBICIDE	PROFENG AUSTRALIA PTY LTD	2
59972	TOWELUP 2,4-D HERBICIDE	GROW CHOICE PTY LIMITED	4
60394	KENDON 2,4-D AMINE 625	KENDON CHEMICALS & MNFG CO PTY LTD	9
61116	STATESMAN 720 HERBICIDE	DOW AGROSCIENCES AUSTRALIA LIMITED	8
61327	SMART 2,4-D AMINE 625 HERBICIDE	CROP SMART PTY LTD	9
61515	NUFARM SURPASS 475 HERBICIDE	NUFARM AUSTRALIA LIMITED	10
61565	COBBER 475 HERBICIDE	NUFARM AUSTRALIA LIMITED	10
61893	KENSO AGCARE KEN-STAR 450 HERBICIDE	KENSO CORPORATION (M) SDN. BHD.	3
61931	CHEMFORCE 2,4-D AMINE 625 HERBICIDE	CHEMFORCE 2010 PTY LTD	9
62001	RICOCHET HERBICIDE	FMC AUSTRALASIA PTY LTD	4
62330	4FARMERS 2,4-D AMINE 625 SELECTIVE HERBICIDE	4 FARMERS AUSTRALIA PTY LTD	9
62550	APPARENT 2,4-D 625 AMINE HERBICIDE	APPARENT PTY. LTD.	9
62691	NUFARM AMICIDE 720 SELECTIVE HERBICIDE	NUFARM AUSTRALIA LIMITED	8
62751	TROOPER 75-D HERBICIDE	NUFARM AUSTRALIA LIMITED	4
62817	4FARMERS 2, 4-D AMINE 750 SELECTIVE HERBICIDE	4 FARMERS AUSTRALIA PTY LTD	9b
62823	SUPERWAY 2,4-D AMINE 625 HERBICIDE	POOMA FERTILIZERS PTY LTD	9
62926	WEEDS OUT 300 HERBICIDE	BIOTIS LIFE SCIENCE PTY LTD	2
63140	AW ANGUISH 625 HERBICIDE	AGRI WEST PTY LIMITED	9
63271	GENFARM 2,4-D AMINE 625 HERBICIDE	LANDMARK OPERATIONS LIMITED	6
63272	GENFARM 2,4-D AMINE 300 HERBICIDE	LANDMARK OPERATIONS LIMITED	2
63282	IMTRADE SMASH 625 SELECTIVE HERBICIDE	IMTRADE AUSTRALIA PTY LTD	9
63327	IMTRADE COMMANDER 75-D HERBICIDE	IMTRADE AUSTRALIA PTY LTD	4
63386	NUFARM AMICIDE 500 SELECTIVE HERBICIDE	NUFARM AUSTRALIA LIMITED	2
63495	ACCENSI AMINE 625 DUAL SALT SELECTIVE HERBICIDE	ACCENSI PTY LTD	9

63538	IMTRADE SMASH 300 SELECTIVE HERBICIDE	IMTRADE AUSTRALIA PTY LTD	2
63668	BIOTIS AMINE 720 SELECTIVE HERBICIDE	BIOTIS LIFE SCIENCE PTY LTD	8
63775	BIOTIS AMINE 625 SELECTIVE HERBICIDE	BIOTIS LIFE SCIENCE PTY LTD	9
63813	PUTRA-AMINE 625 SELECTIVE HERBICIDE	HEXTAR CHEMICALS PTY LTD	9
63833	AW FRENZY HERBICIDE	AGRI WEST PTY LIMITED	4
63863	TITAN AMINE 300 AC HERBICIDE	TITAN AG PTY LTD	2
63999	ACCENSI 2,4-D AMINE 300 SELECTIVE HERBICIDE	ACCENSI PTY LTD	2
64206	ENFORCER 75-D HERBICIDE	ADAMA AUSTRALIA PTY LIMITED	4
64351	FARMALINX 2,4-D 625 HERBICIDE	FARMALINX PTY LTD	9
64419	FARMALINX 2,4-D 300 HERBICIDE	FARMALINX PTY LTD	2
64433	TITAN AMINE 475 HERBICIDE	TITAN AG PTY LTD	10
64545	NAADCO 2,4-D 300 HERBICIDE	NEW AUSTRALIA AGRICULTURAL DEVELOPMENT COMPANY PTY LTD	2
64551	GENFARM GEN-AMINE 625 HERBICIDE	LANDMARK OPERATIONS LIMITED	9
64700	RC AMINE 625 SELECTIVE HERBICIDE	RURALCHEM PTY LTD	9
64728	AGRO-ESSENCE 2,4-D 625SL	AGRO-ALLIANCE (AUSTRALIA) PTY LTD	9
64758	AC JOKER 625 HERBICIDE	AXICHEM PTY LTD	9
64793	ACCENSI 2,4-D 475 DUAL SELECTIVE HERBICIDE	ACCENSI PTY LTD	10
64806	RC AMINE 300 HERBICIDE	RURALCHEM PTY LTD	2
64859	AC PULVERIZE HERBICIDE	AXICHEM PTY LTD	4
64960	FARMALINX STUKA 75-D HERBICIDE	FARMALINX PTY LTD	4
65302	RAINBOW 2,4-D AMINE 625 HERBICIDE	SHANDONG RAINBOW INTERNATIONAL CO., LTD.	9
65309	RAINBOW 2,4-D IPA 300 HERBICIDE	SHANDONG RAINBOW INTERNATIONAL CO., LTD.	2
65638	KENSO AGCARE KEN-AMINE 720 SELECTIVE HERBICIDE	KENSO CORPORATION (M) SDN. BHD.	8
65665	SMART 2, 4-D 300 HERBICIDE	CROP SMART PTY LTD	2
65701	GF-2576 HERBICIDE	DOW AGROSCIENCES AUSTRALIA LIMITED	4
65849	FOSTERRA 2,4-D AMINE 625 SELECTIVE HERBICIDE	FOSTERRA PTY LTD	9
66069	SMART PASS 450 HERBICIDE	CROP SMART PTY LTD	3
66167	NUFARM AMICIDE ADVANCE 700 SELECTIVE HERBICIDE	NUFARM AUSTRALIA LIMITED	8b
66321	OZCROP 2,4-D AMINE 625 HERBICIDE	OZCROP PTY. LTD.	9
66332	OZCROP 2,4-D IPA 300 HERBICIDE	OZCROP PTY. LTD.	2
66440	ECHEM 2,4-D 625 AMINE HERBICIDE	ECHEM (AUST) PTY LIMITED	9
66525	ACP AMINEX 300 SELECTIVE HERBICIDE	AUSTRALIS CROP PROTECTION PTY LTD	2
66526	ACP AMINEX 625 SELECTIVE HERBICIDE	AUSTRALIS CROP PROTECTION PTY LTD	6

66528	ACP AMINEX 475 SELECTIVE HERBICIDE	AUSTRALIS CROP PROTECTION PTY LTD	10
66582	4FARMERS 2,4-D PLUS PICLORAM HERBICIDE	4 FARMERS AUSTRALIA PTY LTD	4
66625	TRIO 2,4-D AMINE 625 HERBICIDE	CTS CHEMICALS PTY LTD	9
66630	PRO 2,4-D AMINE 625 HERBICIDE	AUSTRALIAN PROGRESSIVE SUPPLIES PTY LTD	9
66749	ARYSTA LIFESCIENCE LANTERN 625 HERBICIDE	ARYSTA LIFESCIENCE AUSTRALIA PTY LTD	9
66751	ARYSTA LIFESCIENCE BASILICA 300 HERBICIDE	ARYSTA LIFESCIENCE AUSTRALIA PTY LTD	2
67109	KENSO AGCARE BUCKO 75-D HERBICIDE	KENSO CORPORATION (M) SDN. BHD.	4
67141	HUILONG 2,4-D IPA 300 HERBICIDE	Huilong Agrochemicals Australia Pty Ltd	2
67219	EASYFARM 2,4-D IPA 300 HERBICIDE	EASYFARM PTY LTD	2
67221	NOVAGUARD 2,4-D AMINE 625 HERBICIDE	NOVAGUARD PTY LTD	9
67261	AGRO-ESSENCE 2,4-D 300 HERBICIDE	AGRO-ALLIANCE (AUSTRALIA) PTY LTD	2
67300	HUILONG 2,4-D AMINE 625 HERBICIDE	Huilong Agrochemicals Australia Pty Ltd	9
67357	MISSION 2,4-D AMINE 625 SELECTIVE HERBICIDE	MISSION BELL HOLDINGS PTY LTD	9
67360	AGRI 2,4-D AMINE 625 HERBICIDE	AGRI ENVIRONMENTAL PTY LTD	9
67401	SABAKEM 2,4-D 625 SELECTIVE HERBICIDE	SABAKEM PTY LTD	9
67490	ACCENSI 2,4-D / PICLORAM HERBICIDE	ACCENSI PTY LTD	4
67579	TITAN PICLORAM 75-D HERBICIDE	TITAN AG PTY LTD	4
67886	SPALDING AMINE 625 SELECTIVE HERBICIDE	SPALDING HOLDINGS PTY. LTD.	9
67923	SPALDING 2,4-D IPA 300 HERBICIDE	SPALDING HOLDINGS PTY. LTD.	2
68049	EZYCROP 2,4-D IPA 300 HERBICIDE	EZYCROP PTY LTD	2
68117	WYNCA 2,4-D AMINE 625 HERBICIDE	ZHEJIANG XINAN CHEMICAL INDUSTRIAL GROUP CO., LTD	9
68145	RAINBOW 2,4-D AMINE 800 SG HERBICIDE	SHANDONG RAINBOW INTERNATIONAL CO., LTD.	7
68199	NOVAGUARD 2,4-D IPA 300 HERBICIDE	NOVAGUARD PTY LTD	2
68270	RAINBOW 2,4-D 450 SL HERBICIDE	SHANDONG RAINBOW INTERNATIONAL CO., LTD.	3
68363	UMINE 625 SELECTIVE HERBICIDE	UPL AUSTRALIA LIMITED	9
68475	AGMATE 2,4-D 300 SL HERBICIDE	AGCARE PTY LTD	2
68480	AGMATE 2,4-D 625 SL HERBICIDE	AGCARE PTY LTD	9
68535	ACCENSI 2,4-D LOW ODOUR 500 SELECTIVE HERBICIDE	ACCENSI PTY LTD	11
68558	EZYCROP 2,4-D AMINE 625 HERBICIDE	EZYCROP PTY LTD	9
68586	ACP BROADLEAF 75-D HERBICIDE	AUSTRALIS CROP PROTECTION PTY LTD	4

68933	ZULU EVO 720 HERBICIDE	ADAMA AUSTRALIA PTY LIMITED	8
68986	CONQUEST DEPIC 75-D HERBICIDE	CONQUEST CROP PROTECTION PTY LTD	4
68995	CONQUEST AMINE PLUS 475 SELECTIVE HERBICIDE	CONQUEST CROP PROTECTION PTY LTD	10
69019	JNO 2,4-D AMINE 625 HERBICIDE	JNO INVESTMENT HOLDINGS PTY LTD	9
69060	APPARENT PURGE 450 IPA HERBICIDE	APPARENT PTY. LTD.	3
69074	OZCROP 2,4-D IPA 450 SL HERBICIDE	OZCROP PTY. LTD.	3
69095	FARMALINX 2,4-D 450 SL HERBICIDE	FARMALINX PTY LTD	3
69106	FALLOWBOSS TORDON HERBICIDE	DOW AGROSCIENCES AUSTRALIA LIMITED	4
69213	FORWARD AMINE 625 HERBICIDE	FORWARD AUSTRALIA PTY LTD	9
69663	AGROCN 2,4-D 625 SL SELECTIVE HERBICIDE	SHANGHAI AGROCHINA CHEMICAL CO. LTD.	9
69770	RAINBOW PICLORAM 75-D HERBICIDE	SHANDONG RAINBOW INTERNATIONAL CO., LTD.	4
69835	MACRO PROTECT 2,4-D AMINE 625 AC HERBICIDE	MACROFERTIL AUSTRALIA PTY LTD	9
69915	FORWARD 2,4-D IPA 300 HERBICIDE	FORWARD AUSTRALIA PTY LTD	2
69921	OZTEC 2,4-D IPA 300 HERBICIDE	OZTEC RURAL PTY LTD	2
70018	KELPIE AMINE 625 HERBICIDE	SINOCHEM INTERNATIONAL AUSTRALIA PTY LTD	9
70153	OZCROP PICLORAM 75-D HERBICIDE	OZCROP PTY. LTD.	4
70408	ACCENSI 2,4-D AMINE 700 DUAL SELECTIVE HERBICIDE	ACCENSI PTY LTD	8b
80713	Apparent Ramjet 75-D Herbicide	APPARENT PTY. LTD.	4
81242	Nufarm NuCol Herbicide	NUFARM AUSTRALIA LIMITED	12
81704	APPARENT HARDBALL LOW ODOUR 700 DUAL SALT HERBICIDE	APPARENT PTY. LTD.	8b
81776	Conquest Amine 700 Dual Salt Selective Herbicide	CONQUEST CROP PROTECTION PTY LTD	8b
81794	ACP AMINEX 700 SELECTIVE HERBICIDE	AUSTRALIS CROP PROTECTION PTY LTD	8b
81968	AC Rampant Selective Herbicide	AXICHEM PTY LTD	10
82448	Relyon Ammo 625 Herbicide	RURALCO HOLDINGS LIMITED	9
82451	ALPHA 2,4-D 625 HERBICIDE	ALPHA CROP PROTECTION PTY LTD	9
82711	Ramdon 75-D Herbicide	RURALCO HOLDINGS LIMITED	4
82835	Surefire Amine 625 Selective Herbicide	PCT HOLDINGS PTY LTD	9
82899	GENFARM 2,4-D AMINE 625 SELECTIVE HERBICIDE	LANDMARK OPERATIONS LIMITED	9
82915	Agsure 2,4-D Amine 625 Herbicide	Elders Rural Services Australia Limited	9
83244	ZULU XT HERBICIDE	ADAMA AUSTRALIA PTY LIMITED	8
83784	Raystar 2,4D 625 Dimethylamine salt SL Herbicide	Raystar Cropprotection Pty Ltd	9
84093	Farmalinx Rebel Herbicide	FARMALINX PTY LTD	10
84835	Submarino 2,4-D Amine 625 Herbicide	Submarino Pty Ltd	9

85316	AgProtect 2,4-D Amine 625 Herbicide	Agprotect Australasia Pty Ltd	9
85354	Kojak 75D Herbicide	CROP CULTURE PTY LTD	4
85480	Conquest Amine 450 IPA Selective Herbicide	CONQUEST CROP PROTECTION PTY LTD	3
86157	EmuAg 2,4-D 625 Selective Herbicide	EmuAg Pty Ltd	9
86397	STRIPPA 625 HERBICIDE	FDC ECO SOLUTIONS PTY LTD	9
86786	Spalding 2,4-D IPA 450 SL Herbicide	SPALDING HOLDINGS PTY. LTD.	3
86893	SPALDING 2,4-D PICLORAM HERBICIDE	SPALDING HOLDINGS PTY LTD.	4
87152	F.S.A. AMINE 625 HERBICIDE	FOUR SEASONS AGRIBUSINESS PTY LTD	9
87419	F.S.A. 75D HERBICIDE	FOUR SEASONS AGRIBUSINESS PTY LTD	4
87499	TITAN AMINE 450 HERBICIDE	TITAN AG PTY LTD	3
87542	NOVA AMINE 625 HERBICIDE	SUNRISE CROP SCIENCE CO.	9