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# Gazette

## Agricultural and veterinary chemicals

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Veterinary Medicines Authority**

The *Agricultural and Veterinary Chemical Code Act 1994* (the Act) commenced on 15 March 1995. The Agricultural and Veterinary Chemicals Code (the Agvet Code) scheduled to the Act requires notices to be published in the *Gazette* containing details of the registration of agricultural and veterinary chemical products and other approvals granted by the Australian Pesticides and Veterinary Medicines Authority. The Agvet Code and related legislation also requires certain other notices to be published in the *Gazette*. A reference to Agvet Codes in this publication is a reference to the Agvet Code in each state and territory jurisdiction.

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## **General information**

The APVMA Gazette is published fortnightly and contains details of the registration of agricultural and veterinary chemicals products and other approvals granted by the APVMA, notices as required by the Agricultural and Veterinary Chemicals Code (the Agvet Code) and related legislation and a range of regulatory material issued by the APVMA.

Pursuant to section 8J(1) of the Agvet Code, the APVMA has decided that it is unnecessary to publish details of applications made for the purpose of notifying minor variations to registration details. The APVMA will however report notifications activity in quarterly statistical reports.

## **Distribution and subscription**

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## Agricultural chemical products and approved labels

Pursuant to the Agricultural and Veterinary Chemicals Code scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994*, the APVMA hereby gives notice that it has registered or varied the relevant particulars or conditions of the registration in respect of the following products and has approved the label or varied the relevant particulars or conditions of the approval in respect of the containers for the chemical product, with effect from the dates shown.

**Table 1: Agricultural products based on existing active constituents**

<b>Application no.</b>	145702
<b>Product name</b>	Golden Farmstead Glufosinate 200 Herbicide
<b>Active constituent</b>	200 g/L glufosinate-ammonium
<b>Applicant name</b>	Golden Farmstead Pty Ltd
<b>Applicant ACN</b>	675 182 484
<b>Date of registration</b>	14 January 2025
<b>Product registration no.</b>	95446
<b>Label approval no.</b>	95446/145702
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 200 g/L glufosinate-ammonium soluble concentrate (SL) for the non-residual control of broadleaf and grass weeds in various situations

<b>Application no.</b>	135426
<b>Product name</b>	Menno Florades Disinfectant
<b>Active constituent</b>	90 g/L benzoic acid
<b>Applicant name</b>	Menno Chemie-Vertrieb GMBH
<b>Applicant ACN</b>	N/A
<b>Date of registration</b>	14 January 2025
<b>Product registration no.</b>	92415
<b>Label approval no.</b>	92415/135426
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 90 g/L benzoic acid in a soluble concentrate (SL) formulation for use as a hard surface and tool disinfectant in agricultural and horticultural situations against fungi (including spore forms), bacteria, viruses and viroid's

<b>Application no.</b>	141714
<b>Product name</b>	Tanalith Eμ 26 Wood Preservative Concentrate
<b>Active constituents</b>	390 g/L copper (Cu) present as copper carbonate, 15.6 g/L tebuconazole
<b>Applicant name</b>	Arch Wood Protection (Aust) Pty Limited
<b>Applicant ACN</b>	003 780 872
<b>Date of registration</b>	15 January 2025
<b>Product registration no.</b>	94157
<b>Label approval no.</b>	94157/141714
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 390 g/L copper (present as 696 g/L copper carbonate), and 15.6 L tebuconazole suspension concentrate (SC) wood preservative for the protection against fungal decay, powder beetles, furniture beetles and termites

<b>Application no.</b>	146318
<b>Product name</b>	Agro-Essence Clopyralid 600 Herbicide
<b>Active constituent</b>	600 g/L clopyralid present as the acid and triisopropanolamine salt
<b>Applicant name</b>	Agro-Alliance (Australia) Pty Ltd
<b>Applicant ACN</b>	130 864 603
<b>Date of registration</b>	15 January 2025
<b>Product registration no.</b>	95549
<b>Label approval no.</b>	95549/146318
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 600 g/L clopyralid, present as the acid and triisopropanolamine salt, soluble concentrate product, for the control of broadleaf weeds in wheat, barley, triticale, oats, pastures, canola, fallow land, forests and industrial situations

<b>Application no.</b>	145924
<b>Product name</b>	Sabakem Propiconazole 550
<b>Active constituent</b>	550 g/L propiconazole
<b>Applicant name</b>	Sabakem Pty Ltd
<b>Applicant ACN</b>	151 682 138
<b>Date of registration</b>	16 January 2025
<b>Product registration no.</b>	95516
<b>Label approval no.</b>	95516/145924
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a new agricultural product containing 550 g/L propiconazole for the control of certain fungal diseases of bananas, oats, peanuts, perennial ryegrass, pineapples, stone fruit, sugar cane, wheat and other crops in certain states as specified in the directions for use, and for the control of dollar spot in bent and Queensland blue couch, and spring dead spot in couch as specified in the directions for use for turf

<b>Application no.</b>	146316
<b>Product name</b>	ProForce Pistol 600 Fungicide
<b>Active constituent</b>	600 g/L thiram
<b>Applicant name</b>	Farmalinx Pty Ltd
<b>Applicant ACN</b>	134 353 245
<b>Date of registration</b>	16 January 2025
<b>Product registration no.</b>	95548
<b>Label approval no.</b>	95548/146316
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 600 g/L thiram suspension concentrate product for the control of fungal diseases of turf and seed treatment

<b>Application no.</b>	146551
<b>Product name</b>	Imtrade Militia 550 SC Miticide
<b>Active constituent</b>	550 g/L fenbutatin oxide
<b>Applicant name</b>	Imtrade Australia Pty Ltd
<b>Applicant ACN</b>	090 151 134
<b>Date of registration</b>	17 January 2025
<b>Product registration no.</b>	95629
<b>Label approval no.</b>	95629/146551
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 550 g/L fenbutatin oxide suspension concentrate product for the control of certain mites in fruit, hops and ornamentals as specified in the directions for use table

<b>Application no.</b>	139970
<b>Product name</b>	SALTRO Pro Fungicide Seed Treatment
<b>Active constituents</b>	200 g/L pydiflumetofen, 75 g/L metalaxyl-M, 25 g/L fludioxonil
<b>Applicant name</b>	Syngenta Australia Pty Ltd
<b>Applicant ACN</b>	002 933 717
<b>Date of registration</b>	17 January 2025
<b>Product registration no.</b>	93620
<b>Label approval no.</b>	93620/139970
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 200 g/L pydiflumetofen, 75 g/L metalaxyl-M and 25 g/L fludioxonil suspension concentrate for seed treatment (FS) product for use against blackleg and downy mildew canola

<b>Application no.</b>	140816
<b>Product name</b>	BARRICADE Pre-Emergent Herbicide HG
<b>Active constituent</b>	480 g/L proflumicafone
<b>Applicant name</b>	Syngenta Australia Pty Ltd
<b>Applicant ACN</b>	002 933 717
<b>Date of registration</b>	17 January 2025
<b>Product registration no.</b>	93901
<b>Label approval no.</b>	93901/140816
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 480 g/L proflumicafone suspension concentrate product for control of grass and some broadleaf weeds prior to germination in established lawns and turf, garden beds and potted plants in the home garden

<b>Application no.</b>	145721
<b>Product name</b>	Smart Fluroxypyr EC 400 Herbicide
<b>Active constituent</b>	400 g/L fluroxypyr (present as the methyl heptyl ester)
<b>Applicant name</b>	Crop Smart Pty Ltd
<b>Applicant ACN</b>	093 927 961
<b>Date of registration</b>	20 January 2025
<b>Product registration no.</b>	95456
<b>Label approval no.</b>	95456/145721
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 400 g/L fluroxypyr (present as the methyl heptyl ester) emulsifiable concentrate (EC) product for the control of broadleaf weeds in fallow, lucerne, maize, millets, pastures, sorghum, sugar cane, sweet corn, winter cereals and woody weeds in agricultural non-crop areas, commercial and industrial areas, pastures, and rights-of-way

<b>Application no.</b>	141712
<b>Product name</b>	X-Pand Gibberellic Acid Growth Regulant
<b>Active constituent</b>	133 g/L gibberellic acid
<b>Applicant name</b>	Stoller Australia Pty. Limited
<b>Applicant ACN</b>	065 320 747
<b>Date of registration</b>	20 January 2025
<b>Product registration no.</b>	94155
<b>Label approval no.</b>	94155/141712
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 133 g/L gibberellic acid soluble concentrate for foliar spray application to certain varieties of grapes, citrus and prunes to promote desirable harvest effects and to stimulate production of winter dormant grass-dominant pastures for high intensity grazing such as dairy pasture or sheep lambing paddocks

<b>Application no.</b>	143762
<b>Product name</b>	Albaugh TRAPIS 500 WG Herbicide
<b>Active constituent</b>	500 g/kg flumioxazin
<b>Applicant name</b>	Albaugh Australia Pty Ltd
<b>Applicant ACN</b>	676 890 994
<b>Date of registration</b>	21 January 2025
<b>Product registration no.</b>	94820
<b>Label approval no.</b>	94820/143762
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 500 g/kg flumioxazin, water dispersible granule product for pre-emergent weed control in wheat, faba bean, chickpea, field pea, along fence lines and non-crop boundary areas; and to improve brown-out and weed control with knockdown herbicides

<b>Application no.</b>	146525
<b>Product name</b>	Quantum Glyphosate 450 SL Herbicide
<b>Active constituent</b>	450 g/L glyphosate present as the isopropylamine salt
<b>Applicant name</b>	Quantum Agrosiences Holdings Pty Ltd
<b>Applicant ACN</b>	680 792 625
<b>Date of registration</b>	22 January 2025
<b>Product registration no.</b>	95615
<b>Label approval no.</b>	95615/146525
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 450 g/L glyphosate soluble concentrate product for use as a non-selective herbicide for the control of a wide range of annual, perennial, and woody weeds as per the directions for use

<b>Application no.</b>	146397
<b>Product name</b>	F.S.A. Mantis Herbicide
<b>Active constituents</b>	90 g/L mefenpyr-diethyl, 30 g/L mesosulfuron-methyl
<b>Applicant name</b>	Four Seasons Agribusiness Pty Ltd
<b>Applicant ACN</b>	115 133 189
<b>Date of registration</b>	23 January 2025
<b>Product registration no.</b>	95573
<b>Label approval no.</b>	95573/146397
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 30 g/L mesosulfuron-methyl and 90 g/L mefenpyr-diethyl oil-based suspension concentrate for the post-emergent control of wild oats and annual Phalaris, and suppression of brome grass, barley grass and annual ryegrass in wheat, as per the directions for use table



<b>Application no.</b>	145284
<b>Product name</b>	Genfarm Fludi-Cyprodinil WG Fungicide
<b>Active constituents</b>	375 g/kg cyprodinil, 250 g/kg fludioxonil
<b>Applicant name</b>	Nutrien Ag Solutions Limited
<b>Applicant ACN</b>	008 743 217
<b>Date of registration</b>	23 January 2025
<b>Product registration no.</b>	95320
<b>Label approval no.</b>	95320/145284
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a water dispersible granule (WG) fungicide containing 375 g/kg cyprodinil and 250 g/kg fludioxonil for the control of various fungal diseases in alliums, apples, capsicum, cucumber, cut flowers, garlic, grapes, green beans, green peas, leafy vegetables, lettuce, nursery stock, ornamentals, pyrethrum and strawberries

<b>Application no.</b>	144555
<b>Product name</b>	Imtrade Sheriff Veriphy EC Herbicide
<b>Active constituents</b>	100 g/L pinoxaden, 25 g/L cloquintocet-mexyl
<b>Applicant name</b>	Imtrade Australia Pty Ltd
<b>Applicant ACN</b>	090 151 134
<b>Date of registration</b>	24 January 2025
<b>Product registration no.</b>	95048
<b>Label approval no.</b>	95048/144555
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 25 g/L cloquintocet-mexyl and 100 g/L pinoxaden emulsifiable concentrate product for the control of key grass weeds and selective spray topping of wild oats in wheat and barley as specified in the directions for use table

**Table 2: Variations of registration – agricultural chemical products**

<b>Application no.</b>	147022
<b>Product name</b>	Grazon Extra Herbicide
<b>Active constituents</b>	300 g/L triclopyr present as the butoxyethyl ester, 100 g/L picloram present as the hexyloxypropylamine salt, 8 g/L aminopyralid present as hexyloxypropylamine salt
<b>Applicant name</b>	Corteva Agriscience Australia Pty Ltd
<b>Applicant ACN</b>	003 771 659
<b>Date of variation</b>	3 January 2024
<b>Product registration no.</b>	60830
<b>Label approval no.</b>	60830/147022
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to the particulars of registration and label approval to remove uses for controlled droplet application (CDA) and high volume low concentrate (HVLC) application from the instructions. To update the safety directions in line with the current FAISD Handbook

<b>Application no.</b>	147071
<b>Product name</b>	Kelpie PROSULF 800 Herbicide
<b>Active constituent</b>	800 g/L prosulfocarb
<b>Applicant name</b>	Syngenta Australia Pty Ltd
<b>Applicant ACN</b>	002 933 717
<b>Date of variation</b>	9 January 2025
<b>Product registration no.</b>	86887
<b>Label approval no.</b>	86887/147071
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to the particulars of registration and label approval to change the distinguishing product name and the name that appears on the label from 'Ezycrop Prosulfocarb 800 Herbicide' to 'Kelpie PROSULF 800 Herbicide'

<b>Application no.</b>	145590
<b>Product name</b>	Farmalinx Swysh 400 EC Herbicide
<b>Active constituent</b>	400 g/L fluroxypyr present as the methyl heptyl ester
<b>Applicant name</b>	Farmalinx Pty Ltd
<b>Applicant ACN</b>	134 353 245
<b>Date of variation</b>	13 January 2025
<b>Product registration no.</b>	89664
<b>Label approval no.</b>	89664/145590
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to particulars of product registration and label approval to increase the range of packs to include a 1000 L

<b>Application no.</b>	141574
<b>Product name</b>	HITMAN Organic Insecticide & Fungicide
<b>Active constituent</b>	285 g/L potassium salts of fatty acids
<b>Applicant name</b>	Victorian Chemical Company Proprietary Limited
<b>Applicant ACN</b>	004 188 863
<b>Date of variation</b>	13 January 2025
<b>Product registration no.</b>	58472
<b>Label approval no.</b>	58472/141574
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to registration and label particulars, to include suppression of botrytis in grapevines

<b>Application no.</b>	147098
<b>Product name</b>	TrikoPik HERBICIDE
<b>Active constituents</b>	300 g/L triclopyr present as the butoxyethyl ester, 100 g/L picloram present as hexyloxypropylamine salt
<b>Applicant name</b>	Shandong Rainbow International Co Ltd
<b>Applicant ACN</b>	N/A
<b>Date of variation</b>	13 January 2025
<b>Product registration no.</b>	69378
<b>Label approval no.</b>	69378/147098
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to the particulars of registration and label approval to change the distinguishing product name and the name that appears on the label from 'Rainbow Triclopyr/Picloram Herbicide' to 'TrikoPik HERBICIDE'

<b>Application no.</b>	142387
<b>Product name</b>	Termidor Residual Termiticide and Insecticide
<b>Active constituent</b>	100 g/L fipronil
<b>Applicant name</b>	BASF Australia Ltd.
<b>Applicant ACN</b>	008 437 867
<b>Date of variation</b>	14 January 2025
<b>Product registration no.</b>	54624
<b>Label approval no.</b>	54624/142387
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to particulars of label, to vary product registration and label approval to include a rate range for specific pests

<b>Application no.</b>	142680
<b>Product name</b>	Titan Butafenacil 200 EC Herbicide
<b>Active constituents</b>	200 g/L butafenacil
<b>Applicant name</b>	Titan Ag Pty Ltd
<b>Applicant ACN</b>	122 081 574
<b>Date of variation</b>	14 January 2025
<b>Product registration no.</b>	90360
<b>Label approval no.</b>	90360/142680
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to registration particulars and particulars of label to add uses for the control of a range of grass and broadleaf weeds in fallow or prior to the establishment of cereals, canola and pulses

<b>Application no.</b>	142606
<b>Product name</b>	Roadblock Spider & Ant Automotive Treatment
<b>Active constituents</b>	20 g/kg propoxur, 10 g/kg piperonyl butoxide, 2 g/kg tetramethrin
<b>Applicant name</b>	Sundew Solutions Pty Ltd
<b>Applicant ACN</b>	135 400 261
<b>Date of variation</b>	14 January 2025
<b>Product registration no.</b>	92950
<b>Label approval no.</b>	92950/142606
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to registration particulars and particulars of label to add claims for control of cockroaches and other ants

<b>Application no.</b>	147107
<b>Product name</b>	Ant and Roach Gel
<b>Active constituent</b>	0.6 g/kg fipronil
<b>Applicant name</b>	Lifeguard Sciences (Pty) Ltd
<b>Applicant ACN</b>	N/A
<b>Date of variation</b>	14 January 2025
<b>Product registration no.</b>	90826
<b>Label approval no.</b>	90826/147107
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to the particulars of registration and label approval to change the distinguishing product name and the name that appears on the label from 'Ant and cockroach bait syringe' to 'Ant and Roach Gel'

<b>Application no.</b>	147111
<b>Product name</b>	Kingstar 250 Fungicide
<b>Active constituent</b>	250 g/L azoxystrobin
<b>Applicant name</b>	Shandong Rainbow International Co Ltd
<b>Applicant ACN</b>	N/A
<b>Date of variation</b>	14 January 2025
<b>Product registration no.</b>	67741
<b>Label approval no.</b>	67741/147111
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to the particulars of registration and label approval to change the distinguishing product name and the name that appears on the label from 'Rainbow Azoxystrobin 250 SC' to 'Kingstar 250 Fungicide'

<b>Application no.</b>	145548
<b>Product name</b>	Foison Clopyralid 300 SL Herbicide
<b>Active constituent</b>	300 g/L clopyralid present as the triisopropanolamine salt
<b>Applicant name</b>	Foison Scitech Co., Limited
<b>Applicant ACN</b>	N/A
<b>Date of variation</b>	16 January 2025
<b>Product registration no.</b>	89077
<b>Label approval no.</b>	89077/145548
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to registration particulars, particulars of label, to amend the pack size

<b>Application no.</b>	147138
<b>Product name</b>	Abamite Insecticide / Miticide
<b>Active constituent</b>	18 g/L abamectin
<b>Applicant name</b>	Shandong Rainbow International Co Ltd
<b>Applicant ACN</b>	N/A
<b>Date of variation</b>	16 January 2025
<b>Product registration no.</b>	65750
<b>Label approval no.</b>	65750/147138
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to the particulars of registration and label approval to change the distinguishing product name and the name that appears on the label from 'Rainbow Abamectin Insecticide / Miticide' to 'Abamite Insecticide / Miticide'

<b>Application no.</b>	145735
<b>Product name</b>	Titan Abamectin 18 Insecticide/Miticide
<b>Active constituents</b>	18 g/L abamectin
<b>Applicant name</b>	Titan Ag Pty Ltd
<b>Applicant ACN</b>	122 081 574
<b>Date of variation</b>	20 January 2025
<b>Product registration no.</b>	65889
<b>Label approval no.</b>	65889/145735
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation of registration and label approval to correct the erroneous rate on citrus for control of mites

<b>Application no.</b>	145575
<b>Product name</b>	Glufonium 200 SL Herbicide
<b>Active constituent</b>	200 g/L glufosinate-ammonium
<b>Applicant name</b>	Sinon Australia Pty Limited
<b>Applicant ACN</b>	102 741 024
<b>Date of variation</b>	20 January 2025
<b>Product registration no.</b>	83334
<b>Label approval no.</b>	83334/145575
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation of registration and label approval to add uses in blueberries, black currant, beans, pyrethrum, duboisia, date palms, green tea, native foods, sugarcane, fence lines, summer fallows, oil tea tree, nursery stock, foliage and cut flowers

<b>Application no.</b>	145552
<b>Product name</b>	Ultrapos Phosphine Fumigant
<b>Active constituents</b>	990 g/kg phosphine
<b>Applicant name</b>	Specialty Gases Pty Ltd
<b>Applicant ACN</b>	161 156 403
<b>Date of variation</b>	21 January 2025
<b>Product registration no.</b>	68499
<b>Label approval no.</b>	68499/145552
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation of product registration and label approval to add a commodities column, increase the maximum application rate for certain pests and situations, as well as updating the restraints, general instructions, precautions, and storage and disposal sections

<b>Application no.</b>	145555
<b>Product name</b>	Globachem Abamectin 18 EC Insecticide
<b>Active constituent</b>	18 g/L abamectin
<b>Applicant name</b>	Globachem n.v.
<b>Applicant ACN</b>	N/A
<b>Date of variation</b>	21 January 2025
<b>Product registration no.</b>	94817
<b>Label approval no.</b>	94817/145555
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to correct the rate in the control of mites in citrus to be 250 mL summer oil per 100 L

<b>Application no.</b>	147165
<b>Product name</b>	Yates Organic Garden Pest Killer
<b>Active constituent</b>	400 g/L Clitoria ternatea extract
<b>Applicant name</b>	DuluxGroup (Australia) Pty Ltd
<b>Applicant ACN</b>	000 049 427
<b>Date of variation</b>	21 January 2025
<b>Product registration no.</b>	94412
<b>Label approval no.</b>	94412/147165
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to the particulars of registration and label approval to change the distinguishing product name and the name that appears on the label from 'Yates Nature's Way Bee Safe Pest Control Multi-purpose' to Yates Organic Garden Pest Killer'

<b>Application no.</b>	143712
<b>Product name</b>	Mateno Complete Herbicide
<b>Active constituents</b>	400 g/L aclonifen, 100 g/L pyroxasulfone, 66 g/L diflufenican
<b>Applicant name</b>	Bayer CropScience Pty Ltd
<b>Applicant ACN</b>	000 226 022
<b>Date of variation</b>	23 January 2025
<b>Product registration no.</b>	89959
<b>Label approval no.</b>	89959/143712
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to registration particulars, and particulars of label, to update the safety directions

<b>Application no.</b>	N/A – variation under section 29A of the AgVet Code
<b>Product name</b>	Dual Gold Herbicide
<b>Active constituent</b>	960 g/L S-metolachlor
<b>Applicant name</b>	Syngenta Australia Pty Ltd
<b>Applicant ACN</b>	002 933 717
<b>Date of variation</b>	23 January 2025
<b>Product registration no.</b>	50477
<b>Label approval no.</b>	50477/133889
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation of label particulars only to remove hydrocarbon solvent statements

<b>Application no.</b>	145634
<b>Product name</b>	Accensi Triadimenol 150 C Flowable Seed Dressing
<b>Active constituents</b>	150 g/L triadimenol, 4 g/L cypermethrin
<b>Applicant name</b>	Australian Agribusiness (Holdings) Pty Ltd
<b>Applicant ACN</b>	135 355 958
<b>Date of variation</b>	24 January 2025
<b>Product registration no.</b>	63620
<b>Label approval no.</b>	63620/145634
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to registration particulars and label to extend net contents up to 1000 L

<b>Application no.</b>	145551
<b>Product name</b>	Sabakem Prazon 400EC Selective Herbicide
<b>Active constituent</b>	300 g/L triclopyr present as the butoxyethyl ester, 100 g/L picloram present as the hexyloxypropylamine salt
<b>Applicant name</b>	Sabakem Pty Ltd
<b>Applicant ACN</b>	151 682 138
<b>Date of variation</b>	24 January 2025
<b>Product registration no.</b>	69889
<b>Label approval no.</b>	69889/145551
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation to registration particulars, particulars of label, to add a new pack size

Table 3: Label approval – agricultural chemical products

<b>Application no.</b>	146574
<b>Product name</b>	Farmalinx Scanner 500 SC Herbicide
<b>Active constituent</b>	500 g/L ethofumesate
<b>Applicant name</b>	Farmalinx Pty Ltd
<b>Applicant ACN</b>	134 353 245
<b>Date of registration</b>	21 January 2025
<b>Product registration no.</b>	69025
<b>Label approval no.</b>	69025/146574
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a new label for the registered product 'Farmalinx Scanner 500 SC Herbicide' with the label name 'ProForce Array 500 SC Herbicide'



<b>Application no.</b>	146407
<b>Product name</b>	Farmalinx Aqua-Noxy Herbicide
<b>Active constituent</b>	300 g/L 2,4-D
<b>Applicant name</b>	Farmalinx Pty Ltd
<b>Applicant ACN</b>	134 353 245
<b>Date of registration</b>	21 January 2025
<b>Product registration no.</b>	95228
<b>Label approval no.</b>	95228/146407
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a new label for the existing product 'Farmalinx Aqua-Noxy Herbicide' with the label name 'ProForce Scuba 300 Herbicide'

<b>Application no.</b>	146432
<b>Product name</b>	Farmalinx Abazine Miticide
<b>Active constituents</b>	187.5 g/L clofentezine, 18 g/L abamectin
<b>Applicant name</b>	Farmalinx Pty Ltd
<b>Applicant ACN</b>	134 353 245
<b>Date of registration</b>	21 January 2025
<b>Product registration no.</b>	87784
<b>Label approval no.</b>	87784/146432
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a new label for the existing product 'Farmalinx Abazine Miticide' with the label name 'Novagreen Pursuit Miticide'

## Veterinary chemical products and approved labels

Pursuant to the Agricultural and Veterinary Chemicals Code scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994*, the APVMA hereby gives notice that it has registered or varied the relevant particulars or conditions of the registration in respect of the following products and has approved the label or varied the relevant particulars or conditions of the approval in respect of the containers for the chemical product, with effect from the dates shown.

**Table 4: Veterinary products based on existing active constituents**

<b>Application no.</b>	145563
<b>Product name</b>	Headway Selamectin Spot-On for Cats
<b>Active constituent</b>	60 mg/mL selamectin
<b>Applicant name</b>	Headway Investments Pty Ltd
<b>Applicant ACN</b>	655 095 855
<b>Date of registration</b>	13 January 2025
<b>Product registration no.</b>	95417
<b>Label approval no.</b>	95417/145563
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a 60 mg/mL selamectin spot on product for cats and rabbits

<b>Application no.</b>	145718
<b>Product name</b>	VETSENSE Abamec LV Pour-On for Cattle
<b>Active constituent</b>	10 g/L abamectin
<b>Applicant name</b>	Vetsense Pty Ltd
<b>Applicant ACN</b>	150 968 871
<b>Date of registration</b>	22 January 2025
<b>Product registration no.</b>	95453
<b>Label approval no.</b>	95453/145718
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Registration of a pour-on solution of 10 g/L abamectin for the treatment and control of abamectin sensitive internal and external parasites of beef and dairy cattle

**Table 5: Variations of registration – veterinary chemical products**

<b>Application no.</b>	145573
<b>Product name</b>	Ketoprofen V Injection for Cattle and Horses
<b>Active constituent</b>	100 mg/mL ketoprofen
<b>Applicant name</b>	Avet Health Limited
<b>Applicant ACN</b>	616 838 101
<b>Date of variation</b>	20 January 2025
<b>Product registration no.</b>	82151
<b>Label approval no.</b>	82151/145573
<b>Description of the application and its purpose, including the intended use of the chemical product</b>	Variation of relevant particulars of the product registration and label approval by aligning the label with the Veterinary Labelling Code

## Approved active constituents

Pursuant to the Agricultural and Veterinary Chemicals Code scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994*, the APVMA hereby gives notice that it has approved or varied the relevant particulars or conditions of the approval of the following active constituents, with effect from the dates shown.

**Table 6: Approved active constituents**

<b>Application no.</b>	136530
<b>Active constituent</b>	Palmitoylethanolamide manufacturing concentrate
<b>Applicant name</b>	Pharmako Biotechnologies Pty Limited
<b>Applicant ACN</b>	605 139 688
<b>Date of approval</b>	15 January 2025
<b>Approval no.</b>	92752
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent palmitoylethanolamide manufacturing concentrate for use in veterinary chemical products

<b>Application no.</b>	144641
<b>Active constituent</b>	Aluminium phosphide
<b>Applicant name</b>	National Fumigants Pty Ltd
<b>Applicant ACN</b>	090 505 785
<b>Date of approval</b>	15 January 2025
<b>Approval no.</b>	95091
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent aluminium phosphide for use in agricultural chemical products

<b>Application no.</b>	142951
<b>Active constituent</b>	Copper pyrethrin
<b>Applicant name</b>	Kolon Life Science, Inc
<b>Applicant ACN</b>	N/A
<b>Date of approval</b>	16 January 2025
<b>Approval no.</b>	94615
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent copper pyrethrin for use in agricultural chemical products

<b>Application no.</b>	144835
<b>Active constituent</b>	Fluopyram
<b>Applicant name</b>	Thai Harvest Limited
<b>Applicant ACN</b>	N/A
<b>Date of approval</b>	20 January 2025
<b>Approval no.</b>	95163
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent fluopyram for use in agricultural chemical products

<b>Application no.</b>	145373
<b>Active constituent</b>	Levamisole hydrochloride
<b>Applicant name</b>	Aura Laboratories Limited
<b>Applicant ACN</b>	N/A
<b>Date of approval</b>	20 January 2025
<b>Approval no.</b>	95367
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent levamisole hydrochloride for use in veterinary chemical products

<b>Application no.</b>	143952
<b>Active constituent</b>	Pentobarbital sodium
<b>Applicant name</b>	Probus Pharmaceuticals Pty Ltd
<b>Applicant ACN</b>	638 193 674
<b>Date of approval</b>	21 January 2025
<b>Approval no.</b>	94888
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent pentobarbital sodium for use in veterinary chemical products

<b>Application no.</b>	145374
<b>Active constituent</b>	Oxyclozanide
<b>Applicant name</b>	Aura Laboratories Limited
<b>Applicant ACN</b>	N/A
<b>Date of approval</b>	21 January 2025
<b>Approval no.</b>	95368
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent oxyclozanide for use in veterinary chemical products

<b>Application no.</b>	142930
<b>Active constituent</b>	Doramectin
<b>Applicant name</b>	Troy Laboratories Pty Ltd
<b>Applicant ACN</b>	000 283 769
<b>Date of approval</b>	22 January 2025
<b>Approval no.</b>	94604
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent doramectin for use in veterinary chemical products

<b>Application no.</b>	144399
<b>Active constituent</b>	Chlorantraniliprole
<b>Applicant name</b>	Agoceania Pty Ltd
<b>Applicant ACN</b>	649 344 141
<b>Date of approval</b>	22 January 2025
<b>Approval no.</b>	94988
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent chlorantraniliprole for use in agricultural chemical products

<b>Application no.</b>	144896
<b>Active constituent</b>	Bixafen
<b>Applicant name</b>	UPL Australia Pty Ltd
<b>Applicant ACN</b>	066 391 384
<b>Date of approval</b>	22 January 2025
<b>Approval no.</b>	95195
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent bixafen for use in agricultural chemical products

<b>Application no.</b>	144976
<b>Active constituent</b>	Topramezone
<b>Applicant name</b>	Shandong Rainbow International Co Ltd
<b>Applicant ACN</b>	N/A
<b>Date of approval</b>	22 January 2025
<b>Approval no.</b>	95206
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent topramezone for use in agricultural chemical products

<b>Application no.</b>	144423
<b>Active constituent</b>	Hydrocortisone aceponate
<b>Applicant name</b>	Vetsense Pty Ltd
<b>Applicant ACN</b>	150 968 871
<b>Date of approval</b>	23 January 2025
<b>Approval no.</b>	94999
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent hydrocortisone aceponate for use in veterinary chemical products

<b>Application no.</b>	144781
<b>Active constituent</b>	Florasulam
<b>Applicant name</b>	Conquest Crop Protection Pty Ltd
<b>Applicant ACN</b>	098 814 932
<b>Date of approval</b>	24 January 2025
<b>Approval no.</b>	95138
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent florasulam for use in agricultural chemical products

<b>Application no.</b>	145757
<b>Active constituent</b>	Hydroxocobalamin acetate
<b>Applicant name</b>	Elanco Australasia Pty Ltd
<b>Applicant ACN</b>	076 745 198
<b>Date of approval</b>	24 January 2025
<b>Approval no.</b>	95470
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Approval of the active constituent hydroxocobalamin acetate for use in veterinary chemical products

**Table 7: Variations of active constituent**

<b>Application no.</b>	145644
<b>Active constituent</b>	Clenbuterol hydrochloride
<b>Applicant name</b>	Boehringer Ingelheim Animal Health Australia Pty Ltd
<b>Applicant ACN</b>	071 187 285
<b>Date of variation</b>	21 January 2025
<b>Approval no.</b>	83441
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Variation to remove a manufacturing site for the existing approval

<b>Application no.</b>	145733
<b>Active constituent</b>	Meloxicam
<b>Applicant name</b>	Le Vet Beheer B. V.
<b>Applicant ACN</b>	N/A
<b>Date of variation</b>	23 January 2025
<b>Approval no.</b>	87888
<b>Description of the application and its purpose, including the intended use of the active constituent</b>	Variation of relevant particulars of an approved active constituent



## New veterinary chemical products containing a new veterinary active constituent

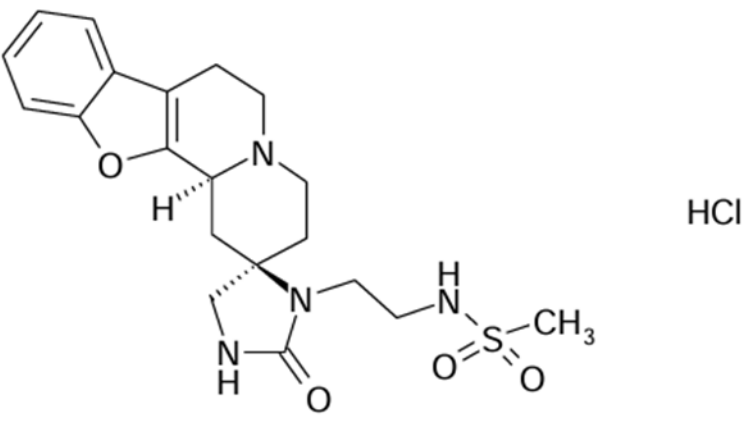
The Australian Pesticides and Veterinary Medicines Authority (APVMA) has before it an application for the registration of a new product, *Zenalpha Injection for Dogs*, containing a new active constituent, vatinoxan hydrochloride and an existing active constituent, medetomidine hydrochloride.

Dechra Regulatory B.V. is seeking the registration of the *Zenalpha Injection for Dogs* containing 10 mg/mL vatinoxan hydrochloride and 0.5 mg/mL medetomidine hydrochloride for use as a sedative and analgesic in dogs, in conjunction with approval of vatinoxan hydrochloride as a new active constituent and new sources of an existing active constituent medetomidine hydrochloride.

### Vatinoxan hydrochloride

As part of the application to register the product containing vatinoxan hydrochloride, the APVMA has evaluated the safety of the new active constituent, vatinoxan hydrochloride.

**Table 8: Particulars of the active constituent**

<b>Common name</b>	Vatinoxan hydrochloride
<b>IUPAC name</b>	N-[2-[(2R,12bS)-2'-oxospiro[1,3,4,6,7,12b-hexahydro-[1]benzofuro[2,3-a]quinolizine-2,5'-imidazolidine]-1'-yl]ethyl]methanesulfonamide;hydrochloride
<b>CAS name</b>	N-(2-((2R,12bS)-2'-oxo-1,3,4,6,7,12b-hexahydrospiro[benzofuro[2,3-a]quinolizine-2,4'-imidazolidine]-3'-yl) ethyl) methane sulfonamide hydrochloride
<b>CAS registry number</b>	130466-38-5
<b>Manufacturer's codes</b>	T1146, Periati HCl
<b>Purity</b>	98.0-102.0% (anhydrous basis)
<b>Molecular formula</b>	C <sub>20</sub> H <sub>26</sub> N <sub>4</sub> O <sub>4</sub> S, HCl
<b>Molecular weight</b>	454.97 g/mol
<b>Structure</b>	
<b>Mode of action</b>	A peripherally selective α <sub>2</sub> -adrenoceptor antagonist which attaches to and blocks α <sub>2</sub> -adrenoceptors in the heart and blood vessels

## **Summary of the APVMA's evaluation of vatinoxan hydrochloride active constituent**

The APVMA has evaluated the chemistry aspects of vatinoxan hydrochloride (physico-chemical properties, stability, identification, manufacturing process, quality control procedures, batch analysis results, and analytical methods) and found them to be acceptable.

The APVMA has considered the toxicological aspects of vatinoxan hydrochloride and concluded that there are no toxicological concerns regarding the approval of this active constituent. Neither an Acceptable Daily Intake (ADI) nor an Acute Reference Dose (ARfD) is required because the active constituent is not proposed for use in food-producing animals. No impurities of toxicological concern were identified in the health assessment.

As a proposed prescription veterinary medicine, vatinoxan hydrochloride has been included in Schedule 4 of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

The APVMA proposes to be satisfied under sections 5A(1)(a),(b) and (c) of the Agvet Code that vatinoxan hydrochloride would not be an undue hazard to the safety of people exposed to it during its handling or people using anything containing its residues; would not be likely to have an effect that is harmful to human beings; and would not be likely to have an unintended effect that is harmful to animals, or things, or to the environment.

## Zenalpha Injection for Dogs, containing a new active constituent, vatinoxan hydrochloride and an existing active constituent medetomidine hydrochloride.

In addition to the application to approve the new active constituent vatinoxan hydrochloride, the APVMA has under consideration an application to register a new product *Zenalpha Injection for Dogs*, a sedative and analgesic in dogs to facilitate clinical examinations, clinical procedures, and minor surgical procedures, containing the new active constituent, vatinoxan hydrochloride and an existing active constituent medetomidine hydrochloride.

**Table 9: Particulars of the product/s**

<b>Proposed product name/s</b>	Zenalpha Injection for Dogs
<b>Applicant company</b>	DECHRA REGULATORY B.V.
<b>Name of active constituents</b>	Vatinoxan hydrochloride Medetomidine hydrochloride
<b>Signal heading</b>	Schedule 4
<b>Summary of proposed use</b>	A sedative and analgesic in dogs to facilitate clinical examinations, clinical procedures, and minor surgical procedures. The product is for use by veterinarians and will be administered by intramuscular injection at a dose of 1 mg medetomidine hydrochloride and 20 mg vatinoxan hydrochloride (equivalent to 2 mL solution) per square metre of body surface area.
<b>Pack sizes</b>	10 mL
<b>Withholding period</b>	n/a

A summary of the APVMA's evaluation of *Zenalpha Injection for Dogs* in accordance with the requirements of section 14(1)(C) of the Agricultural and Veterinary Chemicals Code (the 'Agvet Code'), scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994*:

- 1) The APVMA has evaluated the application and in its assessment in relation to whether the **safety criteria** have been met in accordance with the definition set out in section 5A of the Agvet Code, proposes to determine that:
  - i. The APVMA is satisfied that the proposed use of *Zenalpha Injection for Dogs* would not be an **undue hazard to the safety of people** exposed to it during its handling and use.
    - a. The product is intended to be used as a sedative and analgesic in dogs to facilitate clinical examinations, clinical procedures, and minor surgical procedures.
    - b. To support the approval of the new active constituent and registration of the proposed product, supporting documentation were submitted consisting of unpublished and published studies on vatinoxan, medetomidine/dexmedetomidine or various combinations of these actives, including published summary reports from the European Medicines Agency (EMA). The APVMA sourced additional information including published summary reports from the European Chemicals Agency (ECHA), EMA and the US Food and Drug Administration (FDA).
    - c. The applicant submitted three acute toxicity studies on vatinoxan: one by the oral route (rat) and two by the intravenous route (mouse and rat). Vatinoxan has low acute oral toxicity in the rat.
    - d. In a 28-day repeat dose dietary study in rats with vatinoxan, the key adverse effect observed was soft stools in male rats at 60 mg/kg bw/d. The No Observed Adverse Effect Level (NOAEL) was 20 mg/kg bw/d. No neurotoxicity, immunotoxicity, developmental, reproductive or carcinogenicity studies were provided. The justification provided for these data gaps is based on the proposed single dose use in animals; no proposed use in food-producing animals; and the known developmental and reproductive toxicity effects of the second active constituent (medetomidine) in the product. The draft label includes a warning that safety has not been

established in dogs during pregnancy or lactation, however similar warning is required for the workers administering the product. Vatinoxan hydrochloride was non-genotoxic in *in vitro* and *in vivo* studies.

- e. Acute skin and eye irritation studies and a skin sensitisation study were submitted for a developmental formulation containing 0.5 mg/mL medetomidine and 15 mg/mL vatinoxan (1:30). The APVMA also estimated the acute toxicity of *Zenalpha Injection for Dogs* (0.5 mg/mL medetomidine and 10 mg/mL vatinoxan, 1:20) based on the ingredients in the formulation. Overall, based on the information provided and mixture estimates, *Zenalpha Injection for Dogs* is considered to have low acute oral, dermal and inhalation toxicity. It is likely to be a slight skin and eye irritant but not a skin sensitiser therefore, appropriate safety directions are required on the label.
- f. A semi-quantitative/qualitative assessment of the risks of accidental exposure via accidental self-injection (considered worst case) was undertaken. This was compared to both the applicant's and EMA's risk assessments. Although conservative accidental exposure levels are calculated to be higher than doses which do not result in adverse or pharmacological effects in humans, the risk can be mitigated by label directions, along with an understanding of the low probability of exposure from prescribed professional use and short duration of action of the pharmacological effects. It is also noted that the risks from medetomidine exposure from *Zenalpha Injection for Dogs* are no greater than currently registered veterinary medicines containing medetomidine or dexmedetomidine.
- g. To mitigate potential risks involving human exposure, the following signal headings, first aid instructions, and safety directions statements are to appear on the product label.

#### **Poisons Standard and Signal Heading**

Medetomidine hydrochloride is listed in **Schedule 4** of the SUSMP with no exceptions. Vatinoxan hydrochloride was not listed in the SUSMP. For the purpose of registration of *Zenalpha Injection for Dogs* for use as a veterinary sedative and analgesic, the APVMA's proposal was considered and approved that vatinoxan hydrochloride to be listed in **Schedule 4** of the SUSMP, based on its use and toxicological profile. The Schedule 4 Poison thereby requires '**PRESCRIPTION ANIMAL REMEDY**' and '**KEEP OUT OF REACH OF CHILDREN**' signal headers on the label.

#### **First aid instructions (FAI)**

*'If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.'*

#### **Safety directions**

*'May irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use.'*

The safety directions will be listed in the FAISD handbook - APVMA 2025 (Handbook of first aid instructions, safety directions, warning statements and general safety precautions for agricultural and veterinary chemicals) and will be required on the product label.

#### **Additional user safety**

*'Avoid accidental self-injection, or skin, eye, or mucosal contact. Accidental exposure may cause sedation and changes in blood pressure.'*

*'In case of accidental self-injection or ingestion, seek medical advice immediately and show the product leaflet or packaging to the doctor. DO NOT DRIVE.'*

*'In case of skin or mucosal contact, wash the area thoroughly with water and remove contaminated clothing. If in eyes, wash out immediately with water. If symptoms occur, contact a doctor.'*

*'Pregnant women should exercise special caution to avoid exposure. Uterine contractions and decreased foetal blood pressure may occur after accidental systemic exposure.'*

*Notes to doctor: The veterinary product contains medetomidine, an alpha-2 adrenoceptor agonist, in combination with vatinoxan, a peripherally selective alpha-2 adrenoceptor antagonist. Symptoms after absorption may include dose-dependent sedation, respiratory depression, bradycardia, hypotension, a dry mouth, and hyperglycaemia.'*

#### **Warning Statements**

None. See Additional User Safety for other statements.

#### **Restraints/Restrictions**

DO NOT USE in food producing species of animals.

#### **Re-entry or Re-handling Statement**

Not required.

- h. After consideration of the toxicological profile and likely human exposure associated with the use of *Zenalpha Injection for Dogs*, the APVMA concludes that the human health risks are acceptable according to the criteria stipulated in Section 5A of the *Agricultural and Veterinary Chemicals Code Act* (1994 as amended) for the proposed administration method, provided the recommendations are noted and where relevant, incorporated on the product label, as above.
- ii. The APVMA is satisfied that the proposed use of *Zenalpha Injection for Dogs*, containing a new active constituent, vatinoxan hydrochloride and an existing active constituent medetomidine hydrochloride would not be likely to have an unintended effect that is harmful to **the environment**, if used according to the product label directions.
  - a. It is assumed that assessments of veterinary medicinal products that end at VICH Phase-I will have limited use and limited environmental exposure and consequently have limited environmental effects. *Zenalpha Injection for Dogs* will only be used in non-food animals (dogs) and therefore the assessment ends at Phase I. The APVMA is therefore satisfied that environmental risks of the proposed use of *Zenalpha Injection for Dogs* are acceptable.
  - b. Based on the outcome of this assessment, no environmental protection statements are required. The following disposal statement is recommended as per the Vet Labelling Code.

#### **DISPOSAL**

*'Dispose of container by wrapping with paper and putting in garbage'.*

- iii. The APVMA is satisfied that the proposed use of *Zenalpha Injection for Dogs*, containing a new active constituent, vatinoxan hydrochloride and an existing active constituent medetomidine hydrochloride would **not be likely to have an unintended effect that is harmful to the target animals** if used according to the product label directions.
  - a. The submission comprised of a range of laboratory model, pharmacological, dose determination, dose confirmation, margin of safety – dose rate studies and confirmatory field/clinical trials.
  - b. *Zenalpha* contains two actives, medetomidine hydrochloride (0.5 mg/mL), an alpha ( $\alpha$ )-2- adrenoceptor agonist, and vatinoxan hydrochloride (10 mg/mL), an  $\alpha$ -2- adrenoceptor antagonist. Medetomidine is a commonly used sedative in veterinary species, while vatinoxan blocks the peripherally-induced adverse effects of medetomidine while not affecting the centrally mediated sedation since it does not cross the blood brain barrier.
  - c. A study was undertaken to investigate cardiac output and the cardiovascular effects of medetomidine hydrochloride 0.5 mg/mL, vatinoxan hydrochloride 10 mg/mL (dose rate 1 mg/m<sup>2</sup> medetomidine and 20 mg/m<sup>2</sup> vatinoxan intramuscular (IM) or medetomidine (1 mg/m<sup>2</sup>) alone in dogs. The dose rate and the method of administration were consistent with the recommendations for the proposed use of *Zenalpha*. The dogs were monitored for Heart Rate (HR), Cardiac Output (CO), Cardiac Index (CI), Stroke Volume

(SV), Stroke Volume Index (SVI), left ventricular rate pressure product, systemic vascular resistance (SVR) index, oxygen delivery, oxygen consumption and oxygen extraction. Medetomidine and vatinoxan had better cardiovascular parameters than medetomidine alone demonstrating the *Zenalpha* combination to be safer.

- d. A study with instrumented dogs to measure blood pressures (BP), heart rate (HR), respiratory rate (RR) and electrocardiogram (ECG) reported that the test formulation, the same final formulation as *Zenalpha*, appeared safe in dogs.
  - e. A Target Animal Safety (TAS) study administered treatments of 1X (medetomidine 1.0 mg/m<sup>2</sup> and vatinoxan 20 mg/m<sup>2</sup>), 3X and 5X daily for 4 days intravenous. There was a dose- and time-dependent expression and resolution of sedation, hypotension, hypothermia, and initial sinus bradycardia and later sinus tachycardia. An additional study administered medetomidine and vatinoxan (IM) to six dogs, although the concentration of vatinoxan was higher (30 mg/m<sup>2</sup> vatinoxan IM). There was good local tolerability. The changes in clinical and physical observations, including ECG changes, are to be outlined on the label.
  - f. A field safety and efficacy trial was conducted for a fixed *Zenalpha* combination of vatinoxan/medetomidine, when used as a sedative in dogs older than 16 weeks of age of various breeds and sex, and required a procedure considered to be non-painful or mildly painful. The dose rate and the method of administration were consistent with the recommendations for the proposed use i.e. 1 mg/m<sup>2</sup> medetomidine and 20 mg/m<sup>2</sup> vatinoxan IM. It was concluded that that the combination was safer than dexmedetomidine (the active enantiomer of medetomidine) alone and cardiovascular changes were less pronounced.
  - g. *Zenalpha* is not to be used in animals with severe systemic disease, shock, hypovolemia, or cardiovascular disease, or respiratory disorders and also in animals with hypoglycaemia or are at risk of developing hypoglycaemia. In the absence of available safety data, treatment of puppies less than 4.5 months of age should be based on a benefit-risk assessment by the responsible veterinarian. The safety of *Zenalpha* has not been established in dogs during pregnancy or lactation or in dogs intended for breeding. The use of the veterinary medicinal product is therefore not recommended in pregnant or lactating animals. Side effects of hypothermia, bradycardia, and tachycardia and reduced respiratory rate were very commonly observed in safety and clinical studies. Diarrhoea/colitis and muscle tremor were also observed. All these side effects will be listed on the label.
- 2) The APVMA has evaluated the application, whether the **efficacy criteria** have been met in accordance with the definition set out in section 5B of the Agvet Code, and proposes to determine that:
- i. In relation to its assessment of efficacy the APVMA is satisfied that data from trials supporting the efficacy of the product adequately demonstrated that if used according to the product label directions, the product is effective for its proposed uses.
  - ii. Efficacy of the product is supported by both product specific studies and published literature. The submission consisted of a range of pharmacological studies, dose confirmation studies and confirmatory field/clinical trials.
    - a. There are several injectable medetomidine-containing products currently registered for use in dogs and cats in Australia (1 mg/mL). In addition, the related active dexmedetomidine hydrochloride (the active enantiomer in medetomidine), is available in injectable formulations for use as a sedative and analgesic in dogs and cats.
    - b. Vatinoxan (the new active constituent) is an  $\alpha$  2-adrenoreceptor antagonist which is rapidly absorbed from the injection site following IM dosing in dogs with pharmacokinetics which are very similar to intravenous (IV) administration. Scientific literature suggests that a ratio of 1:20 (medetomidine:vatinoxan) is the most effective for this combination, with vatinoxan generally having a dose-dependent antagonistic

effect on the peripheral adverse effects of medetomidine. The presence of vatinoxan results in an earlier, and possibly more intense, sedation of shorter duration. Vatinoxan reduces the analgesic action of opioids co-administered with medetomidine but will enhance the efficacy of reversal of the sedative effect by atipamezole.

- iii. Unlike other medetomidine products registered in the Australian market, *Zenalpha* is dosed on a mg/ m<sup>2</sup> body surface area basis, not a mg/kg basis. In practice, this is approximated by a conversion table which allows a mg/ m<sup>2</sup> dose to be estimated on the basis of mass. A dose determination study combining medetomidine (1.0 mg/m<sup>2</sup>) with increasing concentrations of vatinoxan (15, 30 or 50 mg/m<sup>2</sup>) showed that vatinoxan dose-and time-dependently antagonised the physiological changes induced by medetomidine in the dog. Subsequent Pharmacokinetic (Pk)-Pharmacodynamic (Pd) modelling of this data and data from the literature confirmed that a ratio of 1:20 (medetomidine:vatinoxan) was the most effective for this combination. A Pk study showed that the onset and offset of sedation with medetomidine were slightly delayed and accelerated, respectively, by vatinoxan, although peak sedation scores were similar. Importantly, the peripheral 'adverse effects' were largely reduced.
  - iv. Another dose determination and confirmation study was provided that modelled (Pk-Pd): Pk interaction and effect of dose ratio. Pilot and published data was used to undertake Pk-Pd modelling. The study confirmed that vatinoxan at a ratio of 1:20 (medetomidine:vatinoxan) increases the clearance of dexmedetomidine (the active enantiomer of medetomidine) in a concentration dependent fashion.
  - v. A multi-centre field trial used 233 mixed breed dogs and compared *Zenalpha* combination of actives with dexmedetomidine, the active enantiomer of medetomidine, when undertaking minor procedures. This study reported that the onset of sedation was quicker for the test combination, but also was shorter in duration, while analgesia was similar.
  - vi. The information presented in the application supported efficacy and safety of *Zenalpha* in the dog. The addition of vatinoxan to medetomidine improves the safety of the latter, while there was good support in the literature and the clinical trials presented for efficacy.
  - vii. The APVMA has determined that *Zenalpha* in the dog is efficacious, when used in accordance with the label directions and administered 1 mg of medetomidine hydrochloride and 20 mg of vatinoxan hydrochloride (equivalent to 2 mL of solution) per square meter of body surface area, given intramuscularly (IM).
- 3) The APVMA has considered the application, whether the **trade criteria** have been met in accordance with the definition set out in section 5C of the Agvet Code, proposes to determine that:
- viii. The intended use is in companion animals only (dogs); therefore, no assessment of residues or trade is required. The APVMA is satisfied that the proposed use of *Zenalpha Injection for Dogs* would not adversely affect trade between Australia and places outside Australia as the product is not for use in animals producing Australian export commodities.

## Making a submission

In accordance with section 12 of the Agvet Code, the APVMA invites any person to submit a relevant written submission as to whether vatinoxan hydrochloride should be approved. Submissions should relate only to matters that are considered in determining whether the safety criteria set out in section 5A of the Agvet Code have been met. Submissions should state the grounds on which they are based.

In accordance with section 13 of the Agvet Code, the APVMA invites any person to submit a relevant written submission as to whether *Zenalpha Injection for Dogs* should be registered. Submissions should relate only to matters that are required by the APVMA to be taken into consideration in determining whether the safety, efficacy or trade criteria have been met. Submissions should state the grounds on which they are based.

Submissions must be received by the APVMA within 28 days of the date of this notice and be directed to the contact listed below. All submissions to the APVMA will be acknowledged in writing via email or by post.

Relevant comments will be taken into account by the APVMA in deciding whether the product should be registered and in determining appropriate conditions of registration and product labelling.

**Please note:** Submissions will be published on the APVMA's website, unless you have asked for the submission to remain confidential (see [public submission coversheet](#)).

Please lodge your submission with a [public submission coversheet](#), which provides options for how your submission will be published.

Note that all APVMA documents are subject to the access provisions of the *Freedom of Information Act 1982* and may be required to be released under that Act should a request for access be made.

Please send your written submission and coversheet by email or post to:

Email: [casemanagement@apvma.gov.au](mailto:casemanagement@apvma.gov.au)

Post:  
Case Management  
Australian Pesticides and Veterinary Medicines Authority  
GPO Box 574  
Canberra, ACT, 2601

## Privacy

For information on how the APVMA manages personal information when you make a submission, see our [Privacy Policy](#).



## Notice of cancellation at the request of the holder

At the request of the holder, in accordance with section 42(1) of the *Agricultural and Veterinary Chemicals Code Act 1994* (Agvet Code), the APVMA has cancelled the approvals and/or registrations set out in Table 10:

**Table 10: Active constituent approval/product registration/label approval cancelled at the request of the holder**

Approval or registration number	Name	Type of approval or registration	Holder	Reason for cancellation (if relevant pursuant to s45A(3))	Date of cancellation
47106/0698 47106/0804 47106/121138	Bushman Plus Personal Insect Repellent / Bushman Repellent Plus Personal Insect Repellent	Label approval	Juno Limited	Not applicable	28 January 2025
53080/0600 53080/0909 53080/59860 53080/124068	Accensi Abamectin Insecticide	Label approval	Australian Agribusiness (Holdings) Pty Ltd	May not meet the labelling criteria	28 January 2025
54914/1201	4Farmers Abamectin 18 EC Miticide - Insecticide	Label approval	4Farmers Australia Pty Ltd	May not meet the labelling criteria	28 January 2025
55561/1112 55561/61120	Conquest Diuron 900 WG Herbicide	Label approval	Conquest Crop Protection Pty Ltd	Not applicable	28 January 2025
59000/0606 59000/0305	Kill-A-Mite	Label approval	Wholesale Horticultural Group Pty Ltd	May not meet the labelling criteria	28 January 2025
65190/50369 65190/100912 65190/127156	Cyhellia Insecticide	Label approval	Arch Wood Protection (Aust) Pty Limited	Not applicable	28 January 2025
65750/51790 65750/124749	Rainbow Abamectin Insecticide / Miticide	Label approval	Shandong Rainbow International Co Ltd	May not meet the labelling criteria	28 January 2025
66545/53848	Abamix 18 EC Insecticide/Miticide	Label approval	Hextar Chemicals Pty Ltd	May not meet the labelling criteria	28 January 2025
66904/54662	AC Whistler Miticide / Insecticide	Label approval	Axichem Pty Ltd	May not meet the labelling criteria	28 January 2025
69463/60859	Bushman Repellent Plus Personal Insect Repellent Pump Spray	Label approval	Juno Limited	Not applicable	28 January 2025
69669/115238 69669/61397	Agrocn Abamectin 18 EC Insecticide/Miticide	Label approval	Shanghai Archana Chemical Co Ltd	May not meet the labelling criteria	28 January 2025
82872	Apparent Lawn Buff Weeder	Product Registration	Titan Ag Pty Ltd	May not meet the safety criteria	28 January 2025
93923/140912	Naadco Abamectin 18 EC Insecticide / Miticide	Label approval	New Australia Agricultural Development Company Pty Ltd	May not meet the labelling criteria	28 January 2025

In accordance with section 45A(1)(b) of the Agvet Code, the APVMA publishes this notice of the cancellation, including the following instructions which set out how a person can deal with the cancelled active constituent, cancelled product or product bearing a cancelled label referred to in Table 10.

## Instructions

Instructions for persons who possess, have custody of or use the cancelled active constituent, cancelled product, or the product bearing a cancelled label under section 45B(3) of the Agvet Code.

A person who possesses, has custody of or uses the cancelled active constituent, cancelled product or product bearing a cancelled label referred to in Table 10 in accordance with the instructions contained in this notice, is taken to have been issued with a permit under section 45B(3) of the Agvet Code to possess, have custody of or use the cancelled active constituent, cancelled product or product bearing a cancelled label, in accordance with those instructions.

## Possession or custody

A person may possess the cancelled active constituent, cancelled product or product bearing a cancelled label referred to in Table 10 in accordance with its label instructions for one year from the date of cancellation.

## Use, supply or otherwise deal with

A person may use the cancelled active constituent, cancelled product or products bearing a cancelled label referred to in Table 10 according to its label instructions, including any conditions relating to shelf life or expiry date, for one year after the date of cancellation.

A person may supply or cause to be supplied at wholesale or retail level the cancelled active constituent, cancelled product, or product bearing a cancelled label referred to in Table 10, for one year after the date of cancellation.

## Contraventions

After the day that is one year from the date of cancellation it will be an offence against the Agvet Code to have possession or custody of the cancelled active constituents, cancelled products or products bearing a cancelled label with the intention to supply, or to supply the cancelled active constituent, cancelled product, or product bearing a cancelled label.

It is an offence to possess, have custody of, use, or otherwise deal with the cancelled active constituents, cancelled products or products bearing the cancelled label listed in Table 10 in a manner that contravenes the above instructions.

## APVMA contact

For any enquiries or further information about this matter, please contact:

Chemical Review  
Australian Pesticides and Veterinary Medicines Authority  
GPO Box 574  
Canberra ACT 2601

**Phone:** +61 2 6770 2400

**Email:** [chemicalreview@apvma.gov.au](mailto:chemicalreview@apvma.gov.au)

## More information

The APVMA publishes a list of [voluntary cancellations at the request of the holder](#) on its website, and provides a [subscription option](#) to be notified by email when the list is updated.

## Agvet chemical voluntary recall: DEMAND® 100CS Insecticide

**Product name:** DEMAND® 100CS Insecticide

**APVMA registration number:** 87293

**APVMA approved label number:** 118050

**Batch number:** EUA2K2770

**Sold by:** Pest control retailers nationally between 1 October 2024 to 29 January 2025.

On 29 January 2025, Syngenta Australia Pty Ltd (ACN 002 933 717) initiated a voluntary recall under section 106 of the Agricultural and Veterinary Chemicals Code scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994* (Cth) in relation to the chemical product described above.

### Reason for voluntary recall

The presence of crystals has been discovered in 1 L packs of DEMAND® 100CS Insecticide (batch number EUA2K2770) which may cause blockages in application equipment. No other batches are affected.

### Hazard

The sediment formed by the crystals may affect the expected performance of DEMAND® 100CS Insecticide (batch number EUA2K2770) and may lead to blockages in application equipment reducing the effectiveness of the product.

### What to do if in possession of this chemical product

DO NOT use DEMAND® 100CS Insecticide from batch number EUA2K2770. Return unopened or partially used containers of DEMAND® 100CS Insecticide from the recalled batch to the retail outlet, from where the product was purchased, for a full refund.

### More information

Visit the APVMA website to [view the notice](#) of voluntary recall for the chemical product described above.

The APVMA publishes a list of [agvet chemical recall notices](#) on its website and provides a [subscription option](#) to be notified by email when a new recall notice is published.

### Contact

Questions about this voluntary recall should be directed to:

Syngenta Customer Service

**Phone:** 1800 022 035

## Agvet chemical voluntary recall: ilium syntocin injection of synthetic oxytocin

**Product name:** ilium syntocin injection of synthetic oxytocin

**APVMA registration number:** 50435

**APVMA approved label number:** 128307

**Batch number:** 231028A

**Sold by:** Troy Laboratories Pty Ltd in all states and territories between 14 November 2023 to 31 January 2025.

On 31 January 2025, Troy Laboratories Pty Ltd (ABN: 000 283 769) initiated a voluntary recall under section 106 of the Agricultural and Veterinary Chemicals Code scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994 (Cth)* in relation to the chemical product described above.

### Reason for voluntary recall

Over the shelf life of the product, the active ingredient was found to be below specification for batch 231028A.

### Hazard

The defect may result in reduced efficacy.

### What to do if in possession of this chemical product

Do not use the product from batch 231028A. Contact your supplier to arrange return and credit for the product from the affected batch.

### More information

Visit the APVMA website to [view the notice](#) of voluntary recall for the chemical product described above.

The APVMA publishes a list of [agvet chemical recall notices](#) on its website and provides a [subscription option](#) to be notified by email when a new recall notice is published.

### Contact

Questions about this voluntary recall should be directed to:

Troy Laboratories Customer Service

**Phone:** 02 8808 3611