

Registered product list for Pecan nuts in South Africa

Registrations against specific targets on pecan nuts obtained under Act 36 of 1947.



Update: 31 January 2025

INSECTICIDES

Target	Active ingredient	Group code	Trade name	Reg. no.	Company	Active quantity	Dosage	PHI (days)
Ants	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 3.5 g/L	500 ml/100L	2
		IRAC 3A	Pygar 932	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 0.6875 g/L	1.5-2 L/100L	1
Aphids	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 3.5 g/L	500 ml/100L	2
		IRAC 3A	Pygar 932	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 0.6875 g/L	1.5-2 L/100L	1
	garlic juice extract	-	Garlic Repellent 930	L7147	Kannar Earth Science (Pty) Ltd	478 g/L	2-3 L/100L	0
	imidacloprid	IRAC 4A	Kohinor 350 SC	L8447	Adama South Africa (Pty) Ltd	350 g/L	18 ml/tree	200
	pirimicarb	IRAC 1A	Apex 500 WDG	L8475	Villa Crop Protection (Pty) Ltd	500 g/kg	100 g/100L	56
		IRAC 1A	Aphox	L3428	Syngenta South Africa (Pty) Ltd	500 g/kg	100 g/100L	56
IRAC 1A	Unipex 500 WDG	L8474	Villa Crop Protection (Pty) Ltd	500 g/kg	100 g/100L	56		
Astylus beetle	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 3.5 g/L	500 ml/100L	2
		IRAC 3A	Pygar 932	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 0.6875 g/L	1.5-2 L/100L	1
Banded fruit weevil	alpha-cypermethrin	IRAC 3A	Fastac SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	10 ml/100L	30
Bark borer	beta-cyfluthrin	IRAC 3A	Bulldock Beta 125 SC	L7612	Bayer (Pty) Ltd	125 g/L	1.2 ml/10L	N/A
	carbaryl	IRAC 1A	Sevin XLR Plus	L5783	Villa Crop Protection (Pty) Ltd	480 g/L	450 ml/100L	0
Bollworm	alpha-cypermethrin	IRAC 3A	Fastac SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	5 ml/100L	30
	bollworm nucleopolyhedrovirus	-	Bolldex®	L8895	Andermatt Madumbi (Pty) Ltd	7.5 x 10 ¹² occlusion bodies/L	200 ml/ha	N/A
		-	Graboll	L9295	Chempac (Pty) Ltd	7.5 x 10 ¹² occlusion bodies/L	200 ml/ha	0
	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 3.5 g/L	500 ml/100L	2
		IRAC 3A	Pygar 932	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 0.6875 g/L	1.5-2 L/100L	1
	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
	emamectin benzoate	IRAC 6	Proclaim	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100L	14
		IRAC 6	Tarpinon 50 WG	L11338	Enviro Biochem	50 g/kg	22-34 g/100L	14
<i>Helicoverpa armigera</i> nucleopolyhedrovirus (HearNPV)	-	Helimax	L11133	River Bioscience (Pty) Ltd	5 x 10 ¹⁰ occlusion bodies/ml	12 ml/100L	N/A	
Carob moth	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
CMR beetle	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 3.5 g/L	500 ml/100L	2
		IRAC 3A	Pygar 932	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 0.6875 g/L	1.5-2 L/100L	1
Codling moth	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
	emamectin benzoate	IRAC 6	Proclaim	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100L	14
		IRAC 6	Tarpinon 50 WG	L11338	Enviro Biochem	50 g/kg	22-34 g/100L	14
European red mite	abamectin	IRAC 6	AgriMec Gold	L9235	Syngenta South Africa (Pty) Ltd	84 g/L	130-320 ml/ha + 0.25% light mineral oil	14
		IRAC 6	Abamec Plus	L5888	Enviro Biochem	18 g/L	130-320 ml/ha + 0.25% light mineral oil	14
	<i>Metarhizium anisopliae</i> ICIFE 78	-	Real Metarhizium 78	L11484	Real IPM South Africa Pty Ltd	At least 1 x 10 ⁹ cfu/ml	200-400 ml/ha	N/A

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False codling moth	(e)-8-dodecenyl acetate + (z)-8-dodecenyl acetate + (e/z)-8-	-	RB Splat FCM	L10259	River Bioscience (Pty) Ltd	30 g/kg	1000 g/ha	0
		-	X-Mate F.C.M.	L10320	Insect Science (Pty) Ltd	962.5 mg + 287.5 mg each	1 disp. / 250 m ² (25 disp.s / ha)	
	Beauveria bassiana	-	Broadband	L8270	BASF South Africa (Pty) Ltd	4 x 10 ⁹ spores/ml	50 ml/100L	0
	chlorantraniliprole	IRAC 28	Cordial 200 SC	L9501	FMC Corporation	200 g/L	17.5 ml/100L	10
	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
	emamectin benzoate	IRAC 6	Proclaim	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100L	14
		IRAC 6	Tarpinon 50 WG	L11338	Enviro Biochem	50 g/kg	22-34 g/100L	14
False codling moth (continued)		IRAC 6	Emperor 50 WG	L11613	ICA International Chemicals (Pty) Ltd	50 g/kg	22-34 g/100L	14
	indoxacarb	IRAC 22A	InCide 300 WG	L10524	ICA International Chemicals (Pty) Ltd	150 g/L	25 g/100L	14
	methoxyfenozide	IRAC 18	Cohort 240 SC	L10866	FarmAg International (Pty) Ltd	240 g/L	60 ml/100L	14
		IRAC 18	Marksman 240 SC	L10389	ICA International Chemicals (Pty) Ltd	240 g/L	60 ml/100L	14
		IRAC 18	Walker 240 SC	L10348	Villa Crop Protection (Pty) Ltd	240 g/L	60 ml/100L	14
		IRAC 18	Bolt 240 SC	L11215	AECI Limited	240 g/L	60 ml/100L	14
		IRAC 18	Chimera 240 SC	L11186	Adama South Africa (Pty) Ltd	240 g/L	60 ml/100L	14
	spinetoram	IRAC 5	Delegate 250 WG	L8392	Corteva	250 g/kg	20 g/100L	7
	sterilized False Codling Moth males	-	Xsit FCM SIT	L10346	Xsit (Pty) Ltd / Edms. Bpk	14 000 per pack	See label	0
	<i>Thaumatotibia (Cryptophlebia) leucotreta granulovirus</i>	-	Cryptex	L8037	Andermatt Madumbi (Pty) Ltd	2 x 10 ¹⁰ occlusion bodies/ml ²	3.3 ml/100L	N/A
-		Cryptogran	L7598	River Bioscience (Pty) Ltd	5 x 10 ¹⁰ occlusion bodies/ml	10 ml/100L	(blank)	
-		GraTham	L9038	Chempac (Pty) Ltd	2 x 10 ¹⁰ occlusion bodies/ml	3.3 ml/100L	N/A	
Leaf roller	emamectin benzoate	IRAC 6	Proclaim	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100L	14
Litchi moth	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
Macadamia nut borer	acetamiprid	IRAC 4A	Wonderland 200 SP	L10057	FarmAg International (Pty) Ltd	200 g/L	50 g/100L	50
		IRAC 4A	Tension 200 SP	L11213	Farmkem Speciality Products (Pty) Ltd	200 g/kg	50 g/100L	50
	emamectin benzoate	IRAC 6	Vitex 50	L9525	Meridian Agrochemical Company (Pty) Ltd	50 g/kg	30 g/100L	50
		IRAC 6	Conflict Granule	L11195	Villa Crop Protection (Pty) Ltd	50 g/kg	7.5 g/100L	50
		IRAC 6	Emperor 50 WG	L11613	ICA International Chemicals (Pty) Ltd	50 g/kg	30 g/100L	50
spinetoram	IRAC 5	Delegate 250 WG	L8392	Corteva	250 g/kg	20 g/100L	7	
Mealybug	<i>Metarhizium anisopliae</i> ICIPE 69	-	Real Metarhizium 69	L9281	Real IPM South Africa Pty Ltd	At least 1 x 10 ⁹ cfu/ml	200-400 ml/ha	N/A
	sulfoxaflor	IRAC 4C	Closer 240 SC	L9694	Corteva	240 g/L	12 ml/100L	14
Red spider mite	abamectin	IRAC 6	Agrimec Gold	L9235	Syngenta South Africa (Pty) Ltd	84 g/L	130-320 ml/ha + 0.25% light mineral oil	14
		IRAC 6	Abamec Plus	L5888	Enviro Biochem	18 g/L	130-320 ml/ha + 0.25% light mineral oil	14
	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 3.5 g/L	500 ml/100L	2
		IRAC 3A	Pygar 932	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 0.6875 g/L	1.5-2 L/100L	1
	<i>Metarhizium anisopliae</i> ICIPE 78	-	Real Metarhizium 78	L11484	Real IPM South Africa Pty Ltd	At least 1 x 10 ⁹ cfu/ml	200-400 ml/ha	N/A
Stem borer	beta-cyfluthrin	IRAC 3A	Bulldock Beta 125 SC	L7612	Bayer (Pty) Ltd	125 g/L	1.2 ml/10L	N/A
	carbaryl	IRAC 1A	Sevin XLR Plus	L5783	Villa Crop Protection (Pty) Ltd	480 g/L	450 ml/100L	0

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Stink bug	acephate	IRAC 1B	Acephate 750 SP	L7181	Villa Crop Protection (Pty) Ltd	750 g/kg	75 g/100L or 1.75 kg/ha aerial (50L/ha)	35
	alpha-cypermethrin	IRAC 3A	Fastac SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	10 ml/100L	30
	bifenthrin	IRAC 3A	Ramba 100 EC	L9899	Villa Crop Protection (Pty) Ltd	100 g/L	40 ml/100L	28
	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
	lambda-cyhalothrin	IRAC 3A	Karate Zeon 10 CS	L9023	Syngenta South Africa (Pty) Ltd	100 g/L	5 ml/100L	14
	pymetrozine	IRAC 9B	Chess	L8104	Syngenta South Africa (Pty) Ltd	500 g/kg	40 g/100L	21
		IRAC 9B	Pymetrozine 500 WG	L11095	UPL Corporation Limited	500 g/kg	40 g/100L	21
IRAC 9B		Encounter 500 WG	L11459	FarmAg International (Pty) Ltd	500 g/kg	40 g/100L	21	
thiamethoxam	IRAC 4A	Actara SC	L7207	Syngenta South Africa (Pty) Ltd	240 g/L	9 then 6 ml/tree 90 days later	93	
Thrips	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 3.5 g/L	500 ml/100L	2
		IRAC 3A	Pygar 932	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 0.6875 g/L	1.5-2 L/100L	1
	imidacloprid	IRAC 4A	Kohinor 350 SC	L8447	Adama South Africa (Pty) Ltd	350 g/L	18 ml/tree	200
	<i>Metarhizium anisopliae</i> ICIPE 69	-	Real Metarhizium 69	L9281	Real IPM South Africa Pty Ltd	At least 1 x 10 ⁹ cfu/ml	200-400 ml/ha	N/A
	spinetoram	IRAC 5	Delegate 250 WG	L8392	Corteve	250 g/kg	10 g/100L	7
Whitefly	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 3.5 g/L	500 ml/100L	2
		IRAC 3A	Pygar 932	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 0.6875 g/L	1.5-2 L/100L	1

Growers are advised to use this list at own risk and to read the product label before application, and apply products at their own risk.

PHI = Pre-harvest interval (withholding period). Time from spray or application up to harvest or handling of nut in husk - measured in days.

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Disease	Active ingredient	Group code	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	PHI	
Alternaria blight	chlorothalonil	FRAC M5	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	120	
			TalOnil 720	SC	L8935	Enviro Biochem	720 g/L	3.5 L/ha	120	
			Mission 720	SC	L8432	Villa Crop Protection (Pty) Ltd	720 g/L	115 ml/100L	56	
	cyprodinil	FRAC 9	Chorus	WG	L5383	Syngenta South Africa (Pty) Ltd	500 g/kg	380-500 g/ha	7	
	cyprodinil + fludioxonil	FRAC 9 + 12	Switch	WG	L5926	Syngenta South Africa (Pty) Ltd	375 g/L + 250 g/L	800-950 g/ha	7	
Alternaria late blight	azoxystrobin + difenoconazole	FRAC 11 + 3	Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
	difenoconazole	FRAC 3	Scope 250 EC	EC	L7942	Villa Crop Protection (Pty) Ltd	250 g/L	13 ml/100L	45	
Alternaria leaf spot	azoxystrobin + difenoconazole	FRAC 11 + 3	Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Revert SC	SC	L10830	Sharda International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
	difenoconazole	FRAC 3	Scope 250 EC	EC	L7942	Villa Crop Protection (Pty) Ltd	250 g/L	13 ml/100L	45	
Anthracnose	azoxystrobin + difenoconazole	FRAC 11 + 3	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Fortress Ultra	SC	L10450	Meridian Agrochemical Company (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
	boscalid + pyraclostrobin	FRAC 7 + 11	Bellis	WG	L7817	BASF South Africa (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
			Prevent 380 WDG	WDG	L11353	Sharda International (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
	Bostrin 380 WG	WG	L11445	ICA International Chemicals (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14			
Blossom blight	azoxystrobin + difenoconazole	FRAC 11 + 3	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
	boscalid + pyraclostrobin	FRAC 7 + 11	Bellis	WG	L7817	BASF South Africa (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
			Prevent 380 WDG	WDG	L11353	Sharda International (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
			Bostrin 380 WG	WG	L11445	ICA International Chemicals (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
	chlorothalonil	FRAC M5	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	120	
			TalOnil 720	SC	L8935	Enviro Biochem	720 g/L	3.5 L/ha	120	
			Mission 720	SC	L8432	Villa Crop Protection (Pty) Ltd	720 g/L	115 ml/100L	56	
	difenoconazole	FRAC 3	Scope 250 EC	EC	L7942	Villa Crop Protection (Pty) Ltd	250 g/L	13 ml/100L	45	
	Botrytis blight	chlorothalonil	FRAC M5	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	120
				TalOnil 720	SC	L8935	Enviro Biochem	720 g/L	3.5 L/ha	120
Mission 720				SC	L8432	Villa Crop Protection (Pty) Ltd	720 g/L	115 ml/100L	56	
cyprodinil + fludioxonil		FRAC 9 + 12	Switch	WG	L5926	Syngenta South Africa (Pty) Ltd	375 g/L + 250 g/L	800-950 g/ha	7	
Trichoderma asperellum		-	Real Trichoderma	-	L10775	Real IPM South Africa Pty Ltd	At least 1 x 10 ⁹ cfu/ml	200-400 ml/ha	N/A	
Botrytis fruit rot	cyprodinil	FRAC 9	Chorus	WG	L5383	Syngenta South Africa (Pty) Ltd	500 g/kg	380-500 g/ha	7	
Brown rot -	chlorothalonil	FRAC M5	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	120	

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Monilinia			TalOnil 720	SC	L8935	Enviro Biochem	720 g/L	3.5 L/ha	120	
Downy spot	azoxystrobin + difenoconazole	FRAC 11 + 3	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Azole 325 SC	SC	L11240	Harvest Chemicals	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
	difenoconazole	FRAC 3	Scope 250 EC	EC	L7942	Villa Crop Protection (Pty) Ltd	250 g/L	13 ml/100L	45	
Eastern filbert blight	chlorothalonil	FRAC M5	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	120	
			TalOnil 720	SC	L8935	Enviro Biochem	720 g/L	3.5 L/ha	120	
			Mission 720	SC	L8432	Villa Crop Protection (Pty) Ltd	720 g/L	115 ml/100L	56	
Husk rot	boscalid + pyraclostrobin	FRAC 7 + 11	Bellis	WG	L7817	BASF South Africa (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
			Prevent 380 WDG	WDG	L11353	Sharda International (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
			Bostrin 380 WG	WG	L11445	ICA International Chemicals (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
		chlorothalonil	FRAC M5	Mission 720	SC	L8432	Villa Crop Protection (Pty) Ltd	720 g/L	115 ml/100L	56
		difenoconazole	FRAC 3	Scope 250 EC	EC	L7942	Villa Crop Protection (Pty) Ltd	250 g/L	13 ml/100L	45
Husk spot	boscalid + pyraclostrobin	FRAC 7 + 11	Bellis	WG	L7817	BASF South Africa (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
			Prevent 380 WDG	WDG	L11353	Sharda International (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
			Bostrin 380 WG	WG	L11445	ICA International Chemicals (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	14	
		difenoconazole	FRAC 3	Score	EC	L5132	Syngenta South Africa (Pty) Ltd	250 g/L	50 ml/100L	45
Late blight	azoxystrobin + difenoconazole	FRAC 11 + 3	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
Leaf rust	azoxystrobin + difenoconazole	FRAC 11 + 3	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
Leaf spot	azoxystrobin + difenoconazole	FRAC 11 + 3	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
Panicle and shoot blight	azoxystrobin + difenoconazole	FRAC 11 + 3	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
Phytophthora	mefenoxam (phenylamide)	FRAC 4	RidomilGold 480 SL	SL	L8962	Syngenta South Africa (Pty) Ltd	480 g/L	4.7 L/ha or 48 ml/100 m ²	30	
Powdery mildew	azoxystrobin + difenoconazole	FRAC 11 + 3	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Azole 325 SC	SC	L11240	Harvest Chemicals	200 g/L + 125 g/L	500-1000 ml/ha	45	
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45	
Root diseases	Trichoderma asperellum	-	Eco-T	SC	L6938	Andermatt Madumbi (Pty) Ltd	2 x 10 ⁹ spores/g	250 g/ha	N/A	

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FUNGICIDES

Disease	Active ingredient	Group code	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	PHI
Scab	azoxystrobin + difenoconazole	FRAC 11 + 3	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45
			Dimension 325 SC	SC	L10355	FarmAg International (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45
			Rendefed 325 SC	SC	L11330	AECI Limited	200 g/L + 125 g/L	500-1000 ml/ha	45
			Azole 325 SC	SC	L11240	Harvest Chemicals	200 g/L + 125 g/L	500-1000 ml/ha	45
			Obstructo Prime 325 SC	SC	L11505	ICA International Chemicals (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	45
	chlorothalonil	FRAC M5	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	120
			TalOnil 720	SC	L8935	Enviro Biochem	720 g/L	3.5 L/ha	120
			Mission 720	SC	L8432	Villa Crop Protection (Pty) Ltd	720 g/L	115 ml/100L	56
	difenoconazole	FRAC 3	Scope 250 EC	EC	L7942	Villa Crop Protection (Pty) Ltd	250 g/L	13 ml/100L	45
	fentin hydroxide	FRAC 30	Ag-Tin	SC	L9493	Rolfes Agri (Pty) Ltd	480 g/L	50 ml/100L	N/A
	propiconazole	FRAC 3	Bumper 250 EC	EC	L6034	Adama South Africa (Pty) Ltd	250 g/L	50 ml/100L	90
			Makhrozole 250 EC	EC	L7974	Villa Crop Protection (Pty) Ltd	250 g/L	50 ml/100L	90
			Propin 250 EC	EC	L10487	Sharda International (Pty) Ltd	250 g/L	50 ml/100L	90
			Propizole 250 EC	EC	L7561	Villa Crop Protection (Pty) Ltd	250 g/L	50 ml/100L	90
			Tilt	EC	L6668	Syngenta South Africa (Pty) Ltd	250 g/L	50 ml/100L	90
			Principle 250 EC	EC	L10533	ICA International Chemicals (Pty) Ltd	250 g/L	50 ml/100L	90
			Propiconazole 250 EC	EC	L7306	Villa Crop Protection (Pty) Ltd	250 g/L	50 ml/100L	90
potassium bicarbonate [syn. potassium hydrogen carbonate]	FRAC NC	Agri-Cure SP	SP	L8549	MBFi	850 g/kg	300-500 g/100L + 100 ml/100L	0	
Septoria leaf spot	chlorothalonil	FRAC M5	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	120
			TalOnil 720	SC	L8935	Enviro Biochem	720 g/L	3.5 L/ha	120
			Mission 720	SC	L8432	Villa Crop Protection (Pty) Ltd	720 g/L	115 ml/100L	56
Shot-hole	chlorothalonil	FRAC M5	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	120
			TalOnil 720	SC	L8935	Enviro Biochem	720 g/L	3.5 L/ha	120
			Mission 720	SC	L8432	Villa Crop Protection (Pty) Ltd	720 g/L	115 ml/100L	56
Stone fruit rust	chlorothalonil	FRAC M5	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	120
			TalOnil 720	SC	L8935	Enviro Biochem	720 g/L	3.5 L/ha	120
			Mission 720	SC	L8432	Villa Crop Protection (Pty) Ltd	720 g/L	115 ml/100L	56

Growers are advised to read the product label before application, and apply products at their own risk.

Formulation notes: EC - Emulsifiable concentrate, WG - Water-dispersible granule, SC - Suspension concentrate, SP - Soluble powder, WGD - Water dispersible granule, SL - Soluble concentrate.

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ADJUVANTS, NEMATICIDE & PLANT GROWTH REGULATORS

Group	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity
Adjuvants	alcohol ethoxylate	Maxi-Wet	EC	L11190	Introlab	900 g/L
	alcohol ethoxylate + glycol ether + fatty acids	Aqua-Wet	EC	L6204	Rolfes Agri (Pty) Ltd	900 g/L
	ammonium sulphate	AMS-Super	EC	L9758	Villa Crop Protection (Pty) Ltd	500 g/L
		Class Act NG	EC	L10477	Villa Crop Protection (Pty) Ltd	480 g/L
		AMS-Granule	WG	L9610	Villa Crop Protection (Pty) Ltd	1000 g/kg
		Glyphosist	EC	L11028	Introlab	500 g/L
		AMSure	EC	L11265	AgriTechnovation	403 g/L
	buffering agents + wetting agents	Stay@5	WG	L11266	AgriTechnovation	476 + 246 g/kg
	buffering system + alkyl polyglucoside	Aqua-Right 7	EC	L6895	Rolfes Agri (Pty) Ltd	381 + 86 g/L
	buffering system + wetting agent	Aqua-Right 5	EC	L6205	Rolfes Agri (Pty) Ltd	820 + 56 g/L
	isotridecanol	Villa 51	EC	L8050	Villa Crop Protection (Pty) Ltd	918 g/L
	mixed organic acid buffer system and alcohol ethoxylate surfactant	Aquabuff Plus	EC	L9210	Villa Crop Protection (Pty) Ltd	585 g/L
	modified vegetable oil and other ingredients	MasterLock	EC	L10496	Villa Crop Protection (Pty) Ltd	889 g/L
	nitrogen solution	Benefit Plus	EC	L8538	Villa Crop Protection (Pty) Ltd	929 g/L
	orange oil	Wetcit Duo	EC	L10448	Rovensa Next	50 g/L
		Orosorb Duo	EC	L10462	Rovensa Next	50 g/L
	organic acid and alkali	Aquabuff	EC	L5451	Villa Crop Protection (Pty) Ltd	660 g/L
	organic acid buffer	pHerfect	EC	L11644	AgriTechnovation	440 g/L
	organic buffer system and alcohol ethoxylate	Kynobuff	EC	L4246	AECI Limited	493.6 g/L
		Aquatech 5	EC	L11036	Introlab	440.8 g/L
	phosphatidylcholine, methylacetic acid and alkyl polyoxyethelene ether	LI 700	EC	L6550	AECI Limited	800 g/L
	phosphoric acid + ethoxylated phosphate ester + methyl red (pH indicator)	Bladbuff 7	EC	L8121	AECI Limited	353 g/L + 169 g/L + 0.8 g/L
	polyether modified trisiloxane	Saturate	WG	L11267	AgriTechnovation	1000 g/kg
	polyether-polymethylsiloxane-copolymer	Break-Thru	EC	L6764	BASF South Africa (Pty) Ltd	1000 g/L
		Charge	EC	L9100	Villa Crop Protection (Pty) Ltd	1000 g/L
		Supawett	EC	L7202	Rolfes Agri (Pty) Ltd	1000 g/L
		Techniwet Super	EC	L9239	Farmkem Speciality Products (Pty) Ltd	1000 g/L
	polysorbate 80	Biodew	EC	L8120	AECI Limited	607 g/L
	saponified fatty acids, tocopherols, wetters and spreaders	TRANSFER'IN	EC	L10514	AgriTechnovation	629 g/kg
	synthetic latex + alcohol ethoxylate terpenic polymer	Bond	EC	L6756	AECI Limited	450 g/L + 100 g/L
		Sprayfilm 10	EC	L7120	UPL Corporation Limited	902.4 g/L
		Maxi-Stic	EC	L11030	Introlab	902.4 g/L
	Nematicides	fenamiphos	Nemacur 100 GR	GR	L2056	Villa Crop Protection (Pty) Ltd
Plant growth regulators	paclobutrazol	Avocet	SC	L7368	Villa Crop Protection (Pty) Ltd	250 g/L
		Cultar	SC	L3693	Syngenta South Africa (Pty) Ltd	250 g/L

The provider cannot accept any liability for the accuracy of the list.

Growers are advised to read the product label before application, and apply products at their own risk.

Formulation notes: EC - Emulsifiable concentrate, GR - Granular systemic, SC - Suspension concentrate, WG - Water-dispersible granule.

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HERBICIDES

Target	Group code	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity		
Broadleaf weeds	HRAC A	fluazifop-P-butyl	Fusilade Forte	EC	L7304	Syngenta South Africa (Pty) Ltd	150 g/L		
	HRAC C2	diuron	Ag-Diuron 800 SC	SC	L7952	Rolfes Agri (Pty) Ltd	800 g/L		
			Develop 800 WDG	WG	L9109	Villa Crop Protection (Pty) Ltd	800 g/kg		
			Diurex 800 SC	SC	L5334	Adama South Africa (Pty) Ltd	800 g/L		
			Diuron 800 SC (L6236)	SC	L6236	UPL Corporation Limited	800 g/L		
			Diuron 800 SC (L7042)	SC	L7042	UPL Corporation Limited	800 g/L		
			Diuron 800 WG	WG	L7040	UPL Corporation Limited	800 g/kg		
			Dynamo 800 SC	SC	L9619	Sharda International (Pty) Ltd	800 g/L		
			FarmAg Diuron 800 SC	SC	L5663	FarmAg International (Pty) Ltd	800 g/L		
			FarmAg Diuron 800 WG	WG	L8981	FarmAg International (Pty) Ltd	800 g/L		
			Farmex	WG	L8749	UPL Corporation Limited	800 g/kg		
			Nufarm Diuron 900 WG	WG	L5365	Nufarm Agriculture (Pty) Ltd	900 g/kg		
			HRAC D	paraquat	Agriquat 200 SL	SC	L6297	AECI Limited	200 g/L
					Agroquat 200 SL	SL	L4871	AECI Limited	200 g/L
	AVI-Paraquat	SL			L4461	Avima (Pty) Ltd	200 g/L		
	Castle Paraquat 200	SL			L4167	FarmAg International (Pty) Ltd	276 g/L		
	Harpoon 200 SL	SL			L9309	FarmAg International (Pty) Ltd	200 g/L		
	Paragone SL	SL			L4588	AECI Limited	200 g/L		
	Paraquat SL	SL			L2215	UPL Corporation Limited	200 g/L		
	Scorcher	SL			L9085	Meridian Agrochemical Company (Pty) Ltd	200 g/L		
	Sharda Paraquat 200 SL	SL			L9432	Sharda International (Pty) Ltd	200 g/L		
	Shinquat 200 SL	SL			L7864	Rolfes Agri (Pty) Ltd	200 g/L		
	Skoffel 145 SL	SL			L4347	Villa Crop Protection (Pty) Ltd	145 g/L		
	Skoffel 200 Super	SL			L6328	Villa Crop Protection (Pty) Ltd	200 g/L		
	FarmAg Paraquat 200	WG			L9059	FarmAg International (Pty) Ltd	200 g/L		
	Agroquat	SG			L4607	UPL Corporation Limited	200 g/L		
	Enviro Paraquat	WS			L11172	Enviro Biochem	200 g/L		
	Adama Quat	SC			L11052	Adama South Africa (Pty) Ltd	200 g/L		
	Parody 200 SL	SL			L8398	UPL Corporation Limited	80 g/L + 120 g/L		
	HRAC E	carfentrazone-ethyl			Aurora 40 WG	WG	L6794	FMC Corporation	400 g/kg
					Grainwatch 400 WDG	WGD	L10719	Universal Crop Protection (Pty) Ltd	400 g/kg
					Torus	EC	L10709	Meridian Agrochemical Company (Pty) Ltd	250 g/L
	HRAC G	glyphosate			Bounty SL	SL	L7268	Meridian Agrochemical Company (Pty) Ltd	360 g/L
					Enviro Glyphosate 360	SL	L4767	Enviro Biochem	360 g/L
					Erase 360 SL	SL	L6206	AECI Limited	360 g/L
			Glygran 710 SG	SG	L8449	Villa Crop Protection (Pty) Ltd	710 g/kg		
			Glynox 540 SL	SL	L10937	AECI Limited	662 g/L		
			Glyphogan plus	SL	L10700	Adama South Africa (Pty) Ltd	757 g/kg		
			Glyphosate WSG	SG	L7119	UPL Corporation Limited	500 g/kg		
			Kalach 510 SL	SL	L8311	UPL Corporation Limited	510 g/L		
			Kalach 700 WSG	SG	L8312	UPL Corporation Limited	700 g/kg		
			Muscle-Up 360 SL	SL	L7935	Rolfes Agri (Pty) Ltd	360 g/L		
			Nexus Glyphosate 360	SL	L7113	Nexus Customised Crop Solutions	360 g/L		
			Panga 360 SL	SL	L7812	Villa Crop Protection (Pty) Ltd	360 g/L		
			Panga High-Load 600 SL	SL	L9735	Villa Crop Protection (Pty) Ltd	600 g/L		
			Panga Turbo 450 SL	SL	L8506	Villa Crop Protection (Pty) Ltd	450 g/L		
			Piranha 510 SL	SG	L9314	FarmAg International (Pty) Ltd	680 g/kg		
			Piranha Dry	SG	L9593	FarmAg International (Pty) Ltd	757 g/kg		
			Pirhana 360 SL	SL	L8877	FarmAg International (Pty) Ltd	360 g/L		
			Rondo 757 SG	SG	L9490	DVA Chemicals South Africa (Pty) Ltd	757 g/kg		
			Roundup	SL	L0407	Monsanto South Africa (Pty) Ltd	360 g/L		
			Roundup Max	SG	L6790	Monsanto South Africa (Pty) Ltd	680 g/kg		
			Roundup Turbo	WS	L7166	Monsanto South Africa (Pty) Ltd	450 g/L		
			Scat 360 SL	SL	L5716	Villa Crop Protection (Pty) Ltd	360 g/L		
			Seismic	SL	L7016	UPL Corporation Limited	480 g/L		
			Sharda Glyphosate 360 SL	SL	L8901	Sharda International (Pty) Ltd	360 g/L		
			Silvimax	SL	L9851	FarmAg International (Pty) Ltd	686 g/kg		
			Silvinator	SL	L9850	FarmAg International (Pty) Ltd	510 g/L		
			Slash 360 SL	SL	L7811	Villa Crop Protection (Pty) Ltd	360 g/L		
			Slash 710 SG	SG	L8450	Villa Crop Protection (Pty) Ltd	710 g/kg		
			Slash Turbo 450 SL	SL	L8505	Villa Crop Protection (Pty) Ltd	450 g/L		
			Springbok 360 SL	SL	L6719	UPL Corporation Limited	360 g/L		
			Touchdown Forte HiTech	SL	L7305	Syngenta South Africa (Pty) Ltd	500 g/L		
			Tumbleweed	SL	L4781	Enviro Biochem	240 g/L		
			Piranha 360 SL	SL	L8877	FarmAg International (Pty) Ltd	360 g/L		
	HRAC G9	glyphosate + ammonium salt	Flatdown	SC	L10737	UPL Corporation Limited	540 g/L + 662 g/L		
		glyphosate + isopropylamine salt	Glyphosate 360 SL	SL	L9048	UPL Corporation Limited	360 g/L + 480 g/L		
	HRAC L29	indaziflam	Alion	SL	L10791	Bayer (Pty) Ltd	500 g/L		
	HRAC H10	glufosinate-ammonium	Basta	SL	L4872	BASF South Africa (Pty) Ltd	200 g/L		

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HERBICIDES

Target	Group code	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity		
			Coller 200 SL	SL	L10606	Kwelenga SA	200 g/L		
			Glufos 200 SL	SL	L9715	Sharda International (Pty) Ltd	200 g/L		
			Knersus 200 SL	SL	L10631	AECI Limited	200 g/L		
			Lifeline	SL	L10151	UPL Corporation Limited	280 g/L		
			Nirvana	SL	L9838	Meridian Agrochemical Company (Pty) Ltd	200 g/L		
			Silent	SL	L9545	Wentek Chemicals (Pty) Ltd	200 g/L		
			Bound 200 SL	SL	L9280	Villa Crop Protection (Pty) Ltd	200 g/L		
			Fullstop 200 SL	SL	L11276	FarmAg International (Pty) Ltd	200 g/L		
			Blative 200 SL	SL	L11127	Enviro Biochem	200 g/L		
			Glufosinex	SL	L11119	Adama South Africa (Pty) Ltd	200 g/L		
			Harvest G 200 SL	SL	L11244	Harvest Chemicals	200 g/L		
			HRAC 3	trifluralin	Nufarm Trifluralin 480 EC	EC	L5414	Nufarm Agriculture (Pty) Ltd	480 g/L
					Rifle 480 EC	EC	L8137	Villa Crop Protection (Pty) Ltd	480 g/L
					Trifluralin 480 EC	EC	L4555	Villa Crop Protection (Pty) Ltd	480 g/L
					Triflurex 480 EC	EC	L5350	Adama South Africa (Pty) Ltd	480 g/L
Sharda Trif 480 EC	EC	L10885			Sharda International (Pty) Ltd	480 g/L			
Grass weeds	HRAC A	cycloxydim	Focus Ultra	EC	L4319	BASF South Africa (Pty) Ltd	100 g/L		
		fluazifop-P-butyl	Fusilade Forte	EC	L7304	Syngenta South Africa (Pty) Ltd	150 g/L		
	HRAC C2	diuron	Ag-Diuron 800 SC	SC	L7952	Rolfes Agri (Pty) Ltd	800 g/L		
			Develop 800 WDG	WG	L9109	Villa Crop Protection (Pty) Ltd	800 g/kg		
			Diurex 800 SC	SC	L5334	Adama South Africa (Pty) Ltd	800 g/L		
			Diuron 800 SC (L6236)	SC	L6236	UPL Corporation Limited	800 g/L		
			Diuron 800 SC (L7042)	SC	L7042	UPL Corporation Limited	800 g/L		
			Diuron 800 WG	WG	L7040	UPL Corporation Limited	800 g/kg		
			Dynamo 800 SC	SC	L9619	Sharda International (Pty) Ltd	800 g/L		
			FarmAg Diuron 800 SC	SC	L5663	FarmAg International (Pty) Ltd	800 g/L		
			FarmAg Diuron 800 WG	WG	L8981	FarmAg International (Pty) Ltd	800 g/L		
			Farmex	WG	L8749	UPL Corporation Limited	800 g/kg		
	HRAC D	paraquat	Nufarm Diuron 900 WG	WG	L5365	Nufarm Agriculture (Pty) Ltd	900 g/kg		
			Agriquat 200 SL	SC	L6297	AECI Limited	200 g/L		
			Agroquat 200 SL	SL	L4871	AECI Limited	200 g/L		
AVI-Paraquat			SL	L4461	Avima (Pty) Ltd	200 g/L			
Castle Paraquat 200			SL	L4167	FarmAg International (Pty) Ltd	276 g/L			
Harpoon 200 SL			SL	L9309	FarmAg International (Pty) Ltd	200 g/L			
Paragone SL			SL	L4588	AECI Limited	200 g/L			
Paraquat SL			SL	L2215	UPL Corporation Limited	200 g/L			
Scorcher			SL	L9085	Meridian Agrochemical Company (Pty) Ltd	200 g/L			
Sharda Paraquat 200 SL			SL	L9432	Sharda International (Pty) Ltd	200 g/L			
Shinquat 200 SL			SL	L7864	Rolfes Agri (Pty) Ltd	200 g/L			
Skoffel 145 SL			SL	L4347	Villa Crop Protection (Pty) Ltd	145 g/L			
Skoffel 200 Super			SL	L6328	Villa Crop Protection (Pty) Ltd	200 g/L			
HRAC E	paraquat + diquat	FarmAg Paraquat 200	WG	L9059	FarmAg International (Pty) Ltd	200 g/L			
		Agroquat	SG	L4607	UPL Corporation Limited	200 g/L			
HRAC G	glyphosate	Enviro Paraquat	WS	L11172	Enviro Biochem	200 g/L			
		Adama Quat	SC	L11052	Adama South Africa (Pty) Ltd	200 g/L			
		Parody 200 SL	SL	L8398	UPL Corporation Limited	80 g/L + 120 g/L			
		Grainwatch 400 WDG	WGD	L10719	Universal Crop Protection (Pty) Ltd	400 g/kg			
		Bounty SL	SL	L7268	Meridian Agrochemical Company (Pty) Ltd	360 g/L			
		Enviro Glyphosate 360	SL	L4767	Enviro Biochem	360 g/L			
		Erase 360 SL	SL	L6206	AECI Limited	360 g/L			
		Glygran 710 SG	SG	L8449	Villa Crop Protection (Pty) Ltd	710 g/kg			
		Glynox 540 SL	SL	L10937	AECI Limited	662 g/L			
		Glyphogan plus	SL	L10700	Adama South Africa (Pty) Ltd	757 g/kg			
		Glyphosate WSG	SG	L7119	UPL Corporation Limited	500 g/kg			
		Kalach 510 SL	SL	L8311	UPL Corporation Limited	510 g/L			
		Kalach 700 WSG	SG	L8312	UPL Corporation Limited	700 g/kg			
		Muscle-Up 360 SL	SL	L7935	Rolfes Agri (Pty) Ltd	360 g/L			
		HRAC G	glyphosate	Nexus Glyphosate 360	SL	L7113	Nexus Customised Crop Solutions	360 g/L	
Panga 360 SL	SL			L7812	Villa Crop Protection (Pty) Ltd	360 g/L			
Panga High-Load 600 SL	SL			L9735	Villa Crop Protection (Pty) Ltd	600 g/L			
Panga Turbo 450 SL	SL			L8506	Villa Crop Protection (Pty) Ltd	450 g/L			
Piranha 510 SL	SG			L9314	FarmAg International (Pty) Ltd	680 g/kg			
Piranha Dry	SG			L9593	FarmAg International (Pty) Ltd	757 g/kg			
Pirhana 360 SL	SL			L8877	FarmAg International (Pty) Ltd	360 g/L			
Rondo 757 SG	SG			L9490	DVA Chemicals South Africa (Pty) Ltd	757 g/kg			
Roundup	SL			L0407	Monsanto South Africa (Pty) Ltd	360 g/L			
Roundup Max	SG			L6790	Monsanto South Africa (Pty) Ltd	680 g/kg			
Roundup Turbo	WS	L7166	Monsanto South Africa (Pty) Ltd	450 g/L					

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HERBICIDES

Target	Group code	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity			
			Scat 360 SL	SL	L5716	Villa Crop Protection (Pty) Ltd	360 g/L			
			Seismic	SL	L7016	UPL Corporation Limited	480 g/L			
			Sharda Glyphosate 360 SL	SL	L8901	Sharda International (Pty) Ltd	360 g/L			
			Silvimax	SL	L9851	FarmAg International (Pty) Ltd	686 g/kg			
			Silvinator	SL	L9850	FarmAg International (Pty) Ltd	510 g/L			
			Slash 360 SL	SL	L7811	Villa Crop Protection (Pty) Ltd	360 g/L			
			Slash 710 SG	SG	L8450	Villa Crop Protection (Pty) Ltd	710 g/kg			
			Slash Turbo 450 SL	SL	L8505	Villa Crop Protection (Pty) Ltd	450 g/L			
			Springbok 360 SL	SL	L6719	UPL Corporation Limited	360 g/L			
			Touchdown Forte HiTech	SL	L7305	Syngenta South Africa (Pty) Ltd	500 g/L			
			TumbleWeed	SL	L4781	Enviro Biochem	240 g/L			
			Piranha 360 SL	SL	L8877	FarmAg International (Pty) Ltd	360 g/L			
			HRAC G9	glyphosate + ammonium salt	Flatdown	SC	L10737	UPL Corporation Limited	540 g/L + 662 g/L	
				glyphosate + isopropylamine salt	Glyphosate 360 SL	SL	L9048	UPL Corporation Limited	360 g/L + 480 g/L	
	HRAC L29	indaziflam	Alion	SL	L10791	Bayer (Pty) Ltd	500 g/L			
	HRAC H10	glufosinate-ammonium	Basta	SL	L4872	BASF South Africa (Pty) Ltd	200 g/L			
			Coller 200 SL	SL	L10606	Kwelenga SA	200 g/L			
			Glufos 200 SL	SL	L9715	Sharda International (Pty) Ltd	200 g/L			
			Knersus 200 SL	SL	L10631	AECI Limited	200 g/L			
			Lifeline	SL	L10151	UPL Corporation Limited	280 g/L			
			Nirvana	SL	L9838	Meridian Agrochemical Company (Pty) Ltd	200 g/L			
			Silent	SL	L9545	Wentek Chemicals (Pty) Ltd	200 g/L			
			Bound 200 SL	SL	L9280	Villa Crop Protection (Pty) Ltd	200 g/L			
			Fullstop 200 SL	SL	L11276	FarmAg International (Pty) Ltd	200 g/L			
			Blative 200 SL	SL	L11127	Enviro Biochem	200 g/L			
			Glufosinex	SL	L11119	Adama South Africa (Pty) Ltd	200 g/L			
			Harvest G 200 SL	SL	L11244	Harvest Chemicals	200 g/L			
		HRAC 3	trifluralin	Nufarm Trifluralin 480 EC	EC	L5414	Nufarm Agriculture (Pty) Ltd	480 g/L		
				Rifle 480 EC	EC	L8137	Villa Crop Protection (Pty) Ltd	480 g/L		
				Trifluralin 480 EC	EC	L4555	Villa Crop Protection (Pty) Ltd	480 g/L		
				Triflurex 480 EC	EC	L5350	Adama South Africa (Pty) Ltd	480 g/L		
				Sharda Trif 480 EC	EC	L10885	Sharda International (Pty) Ltd	480 g/L		
				Trifluralin 480 EC (L7970)	EC	L7970	UPL Corporation Limited	480 g/L		
	Noxious weeds	HRAC G	glyphosate	Bounty SL	SL	L7268	Meridian Agrochemical Company (Pty) Ltd	360 g/L		
				Glygran 710 SG	SG	L8449	Villa Crop Protection (Pty) Ltd	710 g/kg		
				Glynox 540 SL	SL	L10937	AECI Limited	662 g/L		
				Glyphogan plus	SL	L10700	Adama South Africa (Pty) Ltd	757 g/kg		
				Kalach 510 SL	SL	L8311	UPL Corporation Limited	510 g/L		
				Panga 360 SL	SL	L7812	Villa Crop Protection (Pty) Ltd	360 g/L		
				Panga Turbo 450 SL	SL	L8506	Villa Crop Protection (Pty) Ltd	450 g/L		
				Rondo 757 SG	SG	L9490	DVA Chemicals South Africa (Pty) Ltd	757 g/kg		
				Roundup	SL	L0407	Monsanto South Africa (Pty) Ltd	360 g/L		
				Roundup Turbo	WS	L7166	Monsanto South Africa (Pty) Ltd	450 g/L		
				Scat 360 SL	SL	L5716	Villa Crop Protection (Pty) Ltd	360 g/L		
				Sharda Glyphosate 360 SL	SL	L8901	Sharda International (Pty) Ltd	360 g/L		
				Slash Turbo 450 SL	SL	L8505	Villa Crop Protection (Pty) Ltd	450 g/L		
				Springbok 360 SL	SL	L6719	UPL Corporation Limited	360 g/L		
Touchdown Forte HiTech				SL	L7305	Syngenta South Africa (Pty) Ltd	500 g/L			
TumbleWeed				SL	L4781	Enviro Biochem	240 g/L			
HRAC 3				trifluralin	Triflurex 480 EC	EC	L5350	Adama South Africa (Pty) Ltd	480 g/L	
Sedges				HRAC C2	diuron	Develop 800 WDG	WG	L9109	Villa Crop Protection (Pty) Ltd	800 g/kg
						Dynamo 800 SC	SC	L9619	Sharda International (Pty) Ltd	800 g/L
						FarmAg Diuron 800 WG	WG	L8981	FarmAg International (Pty) Ltd	800 g/L
				HRAC D	paraquat	Agroquat 200 SL	SL	L4871	AECI Limited	200 g/L
						Harpoon 200 SL	SL	L9309	FarmAg International (Pty) Ltd	200 g/L
						Paraquat SL	SL	L2215	UPL Corporation Limited	200 g/L
	Scorcher	SL	L9085			Meridian Agrochemical Company (Pty) Ltd	200 g/L			
	Skoffel 145 SL	SL	L4347			Villa Crop Protection (Pty) Ltd	145 g/L			
	Skoffel 200 Super	SL	L6328			Villa Crop Protection (Pty) Ltd	200 g/L			
	Agroquat	SG	L4607			UPL Corporation Limited	200 g/L			
	Enviro Paraquat	WS	L11172			Enviro Biochem	200 g/L			
	HRAC G	glyphosate	Bounty SL			SL	L7268	Meridian Agrochemical Company (Pty) Ltd	360 g/L	
			Glygran 710 SG			SG	L8449	Villa Crop Protection (Pty) Ltd	710 g/kg	
			Glynox 540 SL	SL	L10937	AECI Limited	662 g/L			
			Glyphogan plus	SL	L10700	Adama South Africa (Pty) Ltd	757 g/kg			
			Kalach 510 SL	SL	L8311	UPL Corporation Limited	510 g/L			
			Muscle-Up 360 SL	SL	L7935	Rolfes Agri (Pty) Ltd	360 g/L			
			Panga 360 SL	SL	L7812	Villa Crop Protection (Pty) Ltd	360 g/L			
			Panga Turbo 450 SL	SL	L8506	Villa Crop Protection (Pty) Ltd	450 g/L			

Registered product list for Pecan nuts in South Africa

Update: 31 January 2025

Registrations against specific targets on pecan nuts obtained under Act 36 of 1947.



HERBICIDES

Target	Group code	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity		
			Rondo 757 SG	SG	L9490	DVA Chemicals South Africa (Pty) Ltd	757 g/kg		
			Roundup	SL	L0407	Monsanto South Africa (Pty) Ltd	360 g/L		
			Roundup Max	SG	L6790	Monsanto South Africa (Pty) Ltd	680 g/kg		
			Roundup Turbo	WS	L7166	Monsanto South Africa (Pty) Ltd	450 g/L		
			Scat 360 SL	SL	L5716	Villa Crop Protection (Pty) Ltd	360 g/L		
			Sharda Glyphosate 360 SL	SL	L8901	Sharda International (Pty) Ltd	360 g/L		
			Silvimax	SL	L9851	FarmAg International (Pty) Ltd	686 g/kg		
			Silvinator	SL	L9850	FarmAg International (Pty) Ltd	510 g/L		
			Slash 360 SL	SL	L7811	Villa Crop Protection (Pty) Ltd	360 g/L		
			Slash 710 SG	SG	L8450	Villa Crop Protection (Pty) Ltd	710 g/kg		
			Slash Turbo 450 SL	SL	L8505	Villa Crop Protection (Pty) Ltd	450 g/L		
			Touchdown Forte HiTech	SL	L7305	Syngenta South Africa (Pty) Ltd	500 g/L		
			TumbleWeed	SL	L4781	Enviro Biochem	240 g/L		
			HRAC H10	glufosinate-ammonium	Basta	SL	L4872	BASF South Africa (Pty) Ltd	200 g/L
			Coller 200 SL		SL	L10606	Kwelenga SA	200 g/L	
			Glufos 200 SL		SL	L9715	Sharda International (Pty) Ltd	200 g/L	
			Knersus 200 SL		SL	L10631	AECI Limited	200 g/L	
	Lifeline	SL	L10151		UPL Corporation Limited	280 g/L			
	Nirvana	SL	L9838		Meridian Agrochemical Company (Pty) Ltd	200 g/L			
	Silent	SL	L9545		Wentek Chemicals (Pty) Ltd	200 g/L			
	Fullstop 200 SL	SL	L11276		FarmAg International (Pty) Ltd	200 g/L			
	Blative 200 SL	SL	L11127		Enviro Biochem	200 g/L			
	Glufosinex	SL	L11119		Adama South Africa (Pty) Ltd	200 g/L			
HRAC C2	diuron	Harvest G 200 SL	SL	L11244	Harvest Chemicals	200 g/L			
Yellow nutsedge		Farmex	WG	L8749	UPL Corporation Limited	800 g/kg			

Note: Not all listed targets cause problems in pecan nut orchards.

The provider cannot accept any liability for the accuracy of the list.

Growers are advised to read the product label before application, and apply products at their own risk.

Formulation notes: WS - Water soluble solution, EC - Emulsifiable concentrate, WG - Water-dispersible granule, WGD - Water dispersible granule, SL - Soluble concentrate, SC - Suspension Concentrate, SG - Water soluble granule.

Maximum Residue Limit (MRL in mg/kg) summary for registered active ingredients on pecan nuts in South Africa



Active ingredients listed are registered under Act 36 of 1947 for use on pecan nuts in South Africa against specific targets.

Active ingredient	South Africa	Canada	China	Codex	Europe	South Korea	USA
(e)-8-dodecenyl acetate	Not required	0.1	-	-	0.01	-	-
(z)-8-dodecenyl acetate	Not required	0.1	-	-	0.01	-	-
abamectin	-	0.01	-	0.005	0.01	0.01	0.01
acephate	0.02	0.1	-	-	0.02	0.1	0.02
acetamiprid	0.1	0.1	0.06	0.06	0.07	0.06	0.1
alpha-cypermethrin	-	0.05	-	0.05	0.05	-	0.05
azoxystrobin	0.01	0.02	0.01	0.01	0.01	0.01	0.02
<i>Bacillus thuringiensis</i> kurstaki (strain sb4)	Not required	-	-	-	-	-	-
<i>Beauveria bassiana</i>	Not required	0.1	-	-	-	-	-
beta-cyfluthrin	-	0.1	-	-	0.02	0.01	0.01
bifenthrin	0.05	0.1	0.05	0.05	0.05	0.05	0.05
boscalid	1	0.7	0.05	0.05	0.05	0.05	0.7
carbaryl	-	1	-	1	0.02	0.5	0.1
carfentrazone-ethyl	-	0.1	-	-	0.05	-	0.1
chlorantraniliprole	0.1	0.02	0.02	0.02	0.05	0.02	0.02
chlorothalonil	0.01	0.1	-	-	0.01	0.01	-
chlorpyrifos	-	0.1	-	0.05	0.01	0.05	0.2
cycloxydim	-	0.1	-	-	0.05	-	-
cyprodinil	1	0.1	-	0.04	0.04	0.01	0.04
difenoconazole	0.01	0.03	0.03	0.03	0.05	0.01	0.03
diquat	-	0.1	-	-	0.02	0.01	0.02
diuron	-	0.1	-	-	0.02	0.1	0.05
e/z-8-dodecenol	-	0.1	-	-	-	-	-
emamectin benzoate	0.01	0.1	-	0.001	0.01	0.01	0.02
fenamiphos	0.05	0.1	-	-	0.02	0.01	-
fentin hydroxide	-	0.1	-	-	0.05	-	-
fluazifop-p-butyl	0.05	0.05	0.01	0.01	0.01	-	0.05
fludioxonil	0.5	0.1	-	-	0.01	0.01	-
furfural (aldehyde)	-	0.1	-	-	1	-	-
<i>Glomus iranicum</i> var. tenuihypharum	Not required	-	-	-	-	-	-
glufosinate-ammonium	-	0.5	0.01	0.1	0.1	0.1	0.5
glyphosate	-	0.1	-	-	0.1	1	1
<i>Helicoverpa armigera</i> nucleopolyhedrovirus	Not required	0.1	-	-	-	-	-
imidacloprid	-	0.05	0.01	0.01	0.05	0.01	0.05
indaziflam	0.01	0.01	-	-	0.01	0.01	0.01
indoxacarb	-	0.1	-	-	0.02	0.01	0.08
lambda-cyhalothrin	0.1	0.05	0.01	0.01	0.01	0.5	0.05
<i>Metarhizium anisopliae</i>	Not required	0.01	-	-	0.01	-	-

Maximum Residue Limit (MRL in mg/kg) summary for registered active ingredients on pecan nuts in South Africa



Active ingredients listed are registered under Act 36 of 1947 for use on pecan nuts in South Africa against specific targets.

Active ingredient	South Africa	Canada	China	Codex	Europe	South Korea	USA
methoxyfenozide	3	0.1	-	0.1	0.1	0.09	0.1
novaluron	0.01	0.1	-	-	0.01	0.01	-
paclobutrazol	0.05	0.1	-	-	0.01	0.01	-
paraquat	-	0.1	0.05	0.05	0.02	0.01	0.05
pirimicarb	0.05	0.1	-	-	0.02	0.05	-
polyether-polymethylsiloxane-copolymer	Not required	0.1	-	-	-	-	-
potassium bicarbonate	Not required	0.1	-	-	-	-	-
propiconazole	0.05	0.1	0.02	0.02	0.01	0.05	0.1
pymetrozine	0.02	0.02	-	-	0.02	0.01	0.02
pyraclostrobin	0.02	0.04	-	0.02	0.02	0.02	0.04
spinetoram	0.01	0.02	-	0.01	0.02	0.01	0.1
sterilised <i>Thaumatotibia leucotreta</i>	Not required	-	-	-	-	-	-
sulfoxaflor	0.02	0.015	-	0.03	0.02	0.02	0.015
terpenic polymer	-	0.1	-	-	-	-	-
<i>Thaumatotibia leucotreta</i> granulovirus	Not required	0.1	-	-	0.01	-	-
thiamethoxam	-	0.02	0.02	0.01	0.02	0.01	0.02
<i>Trichoderma asperellum</i>	Not required	-	-	-	-	-	-
trifluralin	-	0.1	-	-	0.01	0.05	0.05

MRL lists updated according to the Amendment to the Regulations Governing the Maximum Limits for Pesticide Residues that may be Present in Foodstuffs Amendment No. 4388 of 16 February 2024.