

Registered product list for Pecan nuts in South Africa

Updated: July 2022

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



INSECTICIDES

Target	Group	Active ingredient	Group code	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	PHI (days)
Ants	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100 L	2
	botanical + cyclic aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100L	2
				Pygar 932	SC	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 2.75 g/L	1.5-2 L/100L	1
Aphids	botanical	garlic juice extract	-	Garlic Repellent 930	SC	L7147	Kannar Earth Science (Pty) Ltd	478 g/L	2-3 L/100L	0
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100 L	2
	botanical + cyclic aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100L	2
				Pygar 932	SC	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 2.75 g/L	1.5-2 L/100L	1
	carbamates	pirimicarb	IRAC 1A	Apex 500 WDG	WG	L8475	Villa Crop Protection (Pty) Ltd	500 g/kg	100 g/100L	56
				Aphox	WG	L3428	Syngenta South Africa (Pty) Ltd	500 g/kg	100 g/100L	56
Unipex 500 WDG				WG	L8474	Villa Crop Protection (Pty) Ltd	500 g/kg	100 g/100L	56	
neonicotinoids	imidacloprid	IRAC 4A	Kohinor 350 SC	SC	L8447	Adama South Africa (Pty) Ltd	350 g/L	18 ml/tree	112	
organophosphates	chlorpyrifos	IRAC 1B	Pyrinex 250 CS	CS	L6515	Adama South Africa (Pty) Ltd	250 g/L	200 ml/100L	83	
Astylus beetle	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100 L	2
	botanical + cyclic aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100L	2
				Pygar 932	SC	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 2.75 g/L	1.5-2 L/100L	1
Banded fruit weevil	pyrethroids	alpha-cypermethrin	IRAC 3A	Fastac SC	SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	10 ml/100L	30
Bark borer	carbamates	carbaryl	IRAC 1A	Sevin XLR Plus	SC	L5783	Villa Crop Protection (Pty) Ltd	480 g/L	450 ml/100L	-
	pyrethroids	beta-cyfluthrin	IRAC 3A	Bulldock Beta 125 SC	SC	L7612	Bayer (Pty) Ltd	125 g/L	1.2 ml/10L	-
	avermectins; milbemycins	emamectin benzoate	IRAC 6	Proclaim	SG	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100L	14
Bollworm	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100 L	2
	botanical + cyclic aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100L	2
				Pygar 932	SC	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 2.75 g/L	1.5-2 L/100 L	1
	diamides + pyrethroids	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	CS	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
insect virus	<i>Helicoverpa armigera</i> nucleopolyhedrovirus	-	Helicovir	SC	L9543	River Bioscience (Pty) Ltd	5 x 1010 occlusion bodies/ml	12 ml/100L	0	
	pyrethroids	alpha-cypermethrin	IRAC 3A	Fastac SC	SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	5 ml/100L	30
Carob moth	diamides + pyrethroids	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	CS	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
CMR beetle	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100 L	2
	botanical + cyclic aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100L	2
				Pygar 932	SC	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 2.75 g/L	1.5-2 L/100L	1
avermectins; milbemycins	emamectin benzoate	IRAC 6	Proclaim	SG	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100L	14	
Codling moth	diamides + pyrethroids	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	CS	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
European red mite	avermectins; milbemycins	abamectin	IRAC 6	Agrimec Gold	SC	L9235	Syngenta South Africa (Pty) Ltd	84 g/L	130-320 ml/ha + 0.25% light mineral spray oil	14
	avermectins; milbemycins	emamectin benzoate	IRAC 6	Proclaim	SG	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100L	14
Cohort 240 SC				SC	L10866	FarmAg International (Pty) Ltd	240 g/L	60 ml/100L	14	
Marksman 240 SC				SC	L10389	ICA International Chemicals (Pty) Ltd	240 g/L	60 ml/100L	14	
Runner 240 SC				SC	L7779	Dow AgroSciences Southern Africa (Pty) Ltd	240 g/L	60 ml/100L	14	
diacylhydrazines	methoxyfenozide	IRAC 18								

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Target	Group	Active ingredient	Group code	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	PHI (days)
				Walker 240 SC	SC	L10348	Villa Crop Protection (Pty) Ltd	240 g/L	60 ml/100L	14
				Bolt 240 SC	SC	L11215	AECI Limited	240 g/L	60 ml/100L	14
	diamides	chlorantraniliprole	IRAC 28	Altacor	WG	L8467	DuPont SA	350 g/kg	10 g/100L	10
				Coragen	SC	L8529	DuPont SA	200 g/L	17.5 ml/100L	10
	diamides + pyrethroids	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	CS	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
	insect virus	<i>Thaumatotibia</i> (Cryptophlebia) <i>leucotreta granulovirus</i>	-	Cryptex	SC	L8037	Madumbi Sustainable Agriculture (Pty) Ltd	2 x 10 ¹⁰ occlusion bodies/ml	3.3 ml/100L	0
False codling moth				GraTham	SC	L9038	Chempac (Pty) Ltd	2 x 10 ¹⁰ occlusion bodies/ml	3.3 ml/100L	0
	microbials	<i>Beauveria bassiana</i>	-	Broadband	EC	L8270	BASF South Africa (Pty) Ltd	4 x 10 ⁹ spores/ml	50 ml/100L	0
				Eco-Bb	SC	L8469	Madumbi Sustainable Agriculture (Pty) Ltd	2 x 10 ⁹ spores/g	1 g/L	0
	neonicotinoids + benzoylureas	acetamiprid + novaluron	IRAC 4A + 15	Cormoran 180 EC	EC	L9480	Adama South Africa (Pty) Ltd	80 g/L + 100 g/L	50-75 ml/100L	84
	neonicotinoids + pyrethroids	acetamiprid + bifenthrin	IRAC 4A + 3A	Aceta Star 46 EC	EC	L9255	Adama South Africa (Pty) Ltd	16 g/L + 30 g/L	150 ml/100L	28
	oxadiazines	indoxacarb	IRAC 22A	Steward 150 EC	EC	L8435	FMC Chemicals (Pty) Ltd	150 g/L	50 ml/100L	14
				RB Splat FCM	PA	L10259	River Bioscience (Pty) Ltd	30 g/kg	1000 g/ha	0
	pheromones	(e)-8-dodecenyl acetate + (z)-8-dodecenyl acetate + (e/z)-8-dodecenol	-	X-Mate F.C.M.	GS	L10320	Insect Science (Pty) Ltd	962.5 mg + 287.5 mg each	1 disp. / 250 m ² (25 disp.s / ha)	0
				Isomate FCM	VP	L7692	AECI Limited	0.24 g/kg	800 disp./ha/season	0
				CheckMate FCM-F	CS	L8384	Spectrum Research Services cc	175.2 g/L + 49.8 g/L	110 ml/ha	0
	spinosyns	spinetoram	IRAC 5	Delegate 250 WG	WG	L8392	Dow AgroSciences Southern Africa (Pty) Ltd	250 g/kg	20 g/100L	7
	sterilized insect technique	sterilized False Codling Moth males	-	Xsit FCM SIT	-	L10346	Xsit (Pty) Ltd / Edms. Bpk	14 000 per Pack	See label	0
Leaf roller	avermectins; milbemycins	emamectin benzoate	IRAC 6	Proclaim	SG	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100L	14
Litchi moth	diamides + pyrethroids	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	CS	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
	avermectins; milbemycins	emamectin benzoate	IRAC 6	Emma	WG	L9022	Arysta LifeScience South Africa (Pty) Ltd	50 g/kg	20 g + 40 g Alice 20 SP and/or 30 g	50
				Vitex 50	WG	L9525	Meridian Agrochemical Company (Pty) Ltd	50 g/kg	30 g/100L	50
				Conflict Granule	WG	L11195	Villa Crop Protection (Pty) Ltd	50 g/kg	7.5g / 5 g + 40 g Magnitude 200 SP	50
Macadamia nut borer	neonicotinoids	acetamiprid	IRAC 4A	Alice 20 SP	SP	L8723	Arysta LifeScience South Africa (Pty) Ltd	200 g/kg	50 g or 40 g /100L	50
				Wonderland 200 SP	SP	L10057	FarmAg International (Pty) Ltd	200 g/L	50 g or 40 g + 20 g emamectin benzoate 50 g/kg WG /100L	50
	organophosphates	acephate	IRAC 1B	Orthene 75 SP	SP	L0190	Arysta LifeScience South Africa (Pty) Ltd	750 g/kg	75 g/100L	35
	spinosyns	spinetoram	IRAC 5	Delegate 250 WG	WG	L8392	Dow AgroSciences Southern Africa (Pty) Ltd	250 g/kg	20 g/100L	7
Mealybug	spore concentrate	<i>Metarhizium anisopliae</i>	-	Real Metarhizium 69	-	L9281	Real IMP South Africa Pty Ltd	At least 1 x 10 ⁹ cfu/ml	200-400 ml/ha	-
	sulfoximines	sulfoxaflor	IRAC 4C	Closer 240 SC	SC	L9694	Dow AgroSciences Southern Africa (Pty) Ltd	240 g/L	12 ml/100L	14

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Red spider mite	avermectins; milbemycins	abamectin	IRAC 6	Agrimec Gold	SC	L9235	Syngenta South Africa (Pty) Ltd	84 g/L	130-320 ml/ha + 0.25% light mineral spray oil	14
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100 L	2
	botanical + cyclic aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100L	2
Stem borer	carbamates	carbaryl	IRAC 1A	Sevin XLR Plus	SC	L5783	Villa Crop Protection (Pty) Ltd	480 g/L	450 ml/100L	0
	pyrethroids	beta-cyfluthrin	IRAC 3A	Bulldock Beta 125 SC	SC	L7612	Bayer (Pty) Ltd	125 g/L	1.2 ml/10L	-
Stink bug	diamides + pyrethroids	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	CS	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
	neonicotinoids	thiamethoxam	IRAC 4A	Actara SC	SC	L7207	Syngenta South Africa (Pty) Ltd	240 g/L	9 ml/tree followed by 6 ml/tree	93
	organophosphates	acephate	IRAC 1B	Acephate 750 SP	SP	L7181	Villa Crop Protection (Pty) Ltd	750 g/kg	75 g/100L	35
		chlorpyrifos	IRAC 1B	Pyrinex 250 CS	CS	L6515	Adama South Africa (Pty) Ltd	250 g/L	200 ml/100L	83
	pyrethroids	alpha-cypermethrin	IRAC 3A	Fastac SC	SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	10 ml/100L	30
		lambda-cyhalothrin	IRAC 3A	Karate EC	EC	L3752	Syngenta South Africa (Pty) Ltd	50 g/L	10 ml/100L	7
					Karate Zeon 10 CS	CS	L9023	Syngenta South Africa (Pty) Ltd	100 g/L	5 ml/100L
pyridine azomethine derivatives	pymetrozine	IRAC 9B	Chess	WG	L8104	Syngenta South Africa (Pty) Ltd	500 g/kg	40 g/100L	21	
Thrips	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100 L	2
	botanical + cyclic aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100L	2
				Pygar 932	SC	L7146	Kannar Earth Science (Pty) Ltd	473 g/L + 473 g/L + 2.75 g/L	1.5-2 L/100L	1
	neonicotinoids	imidacloprid	IRAC 4A	Kohinor 350 SC	SC	L8447	Adama South Africa (Pty) Ltd	350 g/L	18 ml/tree	112
	organophosphates	chlorpyrifos	IRAC 1B	Pyrinex 250 CS	CS	L6515	Adama South Africa (Pty) Ltd	250 g/L	200 ml/100L	83
	spinosyns	spinetoram	IRAC 5	Delegate 250 WG	WG	L8392	Dow AgroSciences Southern Africa (Pty) Ltd	250 g/kg	10 g/100L	7
	spore concentrate	<i>Metarhizium anisopliae</i>	-	Real Metarhizium 69	-	L9281	Real IMP South Africa Pty Ltd	At least 1 x 10 ⁹ cfu/ml	200-400 ml/ha	-
Whitefly	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100 L	2
	botanical + cyclic aromatic + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	KangroShield 100	SC	L7630	Kannar Earth Science (Pty) Ltd	250 g/L + 642 g/L + 50 g/L + 14 g/L	500 ml/100L	2

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, WG - Water-dispersible granule, SL - Soluble concentrate, SC - Suspension Concentrate, CS - Capsule suspension, SG - Water soluble granule, GS - Grease, EW - Oil-in-water

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

- No PHI applicable. Usually the case for products of biological nature.