

Registered product list for Pecan nuts in South Africa

Update: October 2021

According to registrations obtained under Act 36 of 1947

INSECTICIDES



Problem	Group	Active ingredient	Group code	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	PHI
Ants	unknown + botanical + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	Kannar 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
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + piperonyl butoxide + pyrethrin extract	IRAC 3A	Kannar 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
Aphids	botanical	garlic juice extract	--	Kannar Garlic Repellent 930	SC	L7147	Kannar Earth Science (Pty) Ltd	478 g/L	2-3 L/100 L	0
	carbamates	pirimicarb	IRAC 1A	Apex 500 WDG	WG	L8475	Villa Crop Protection (Pty) Ltd	500 g/kg	100 g/100 L	56
				Aphox	WG	L3428	Syngenta South Africa (Pty) Ltd	500 g/kg	100 g/100 L	56
				Unipex 500 WDG	WG	L8474	Villa Crop Protection (Pty) Ltd	500 g/kg	100 g/100 L	56
	neonicotinoids	imidacloprid	IRAC 4A	Kohinor 350 SC	SC	L8447	Adama South Africa (Pty) Ltd	350 g/L	18 ml/tree	112
	organophosphate	chlorpyrifos	IRAC 1B	Pyrixin 250 CS	CS	L6515	Adama South Africa (Pty) Ltd	250 g/L	200 ml/100 L	83
	unknown + botanical + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	Kannar 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
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + piperonyl butoxide + pyrethrin extract	IRAC 3A	Kannar 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
Astylus beetle	unknown + botanical + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	Kannar 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
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + piperonyl butoxide + pyrethrin extract	IRAC 3A	Kannar 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
Banded fruit weevil	pyrethroid	alpha-cypermethrin	IRAC 3A	Fastac SC	SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	10 ml/100 L	30
Bark borer	carbamates	carbaryl	IRAC 1A	Sevin XLR Plus	SC	L5783	Villa Crop Protection (Pty) Ltd	480 g/L	450 ml/100 L	-
	pyrethroid	beta-cyfluthrin	IRAC 3A	Bulldock Beta 125 SC	SC	L7612	Bayer (Pty) Ltd	125 g/L	1.2 ml/10 L	-
Bollworm	avermectins; milbemycins	emamectin benzoate	IRAC 6	Proclaim	SG	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100 L	14
	diamides + pyrethroid	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
	pyrethroid	alpha-cypermethrin	IRAC 3A	Fastac SC	SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	5 ml/100 L	30
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + piperonyl butoxide + pyrethrin extract	IRAC 3A	Kannar 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
	microbial insecticide	Helicoverpa armigera nucleopolyhedrovirus	--	Helicovir	SC	L9543	River Bioscience (Pty) Ltd	5 x 10 ⁹ occlusion bodies/ml	12 ml/100 L	0
Carob moth	diamides + pyrethroid	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	unknown + botanical + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	Kannar 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
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + piperonyl butoxide + pyrethrin extract	IRAC 3A	Kannar 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
Codling moth	avermectins; milbemycins	emamectin benzoate	IRAC 6	Proclaim	SG	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100 L	14
	diamides + pyrethroid	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

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False codling moth	avermectins; milbemycins	emamectin benzoate	IRAC 6	Proclaim	SG	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100 L	14
				Cohort 240 SC	SC	L0866	FarmAg International (Pty) Ltd	240 g/L	60 ml/100 L	14
	diacylhydrazines	methoxyfenozide	IRAC 18	Marksman 240 SC	SC	L10389	ICA International Chemicals (Pty) Ltd	240 g/L	60 ml/100 L	14
				Runner 240 SC	SC	L7779	Dow AgroSciences Southern Africa (Pty) Ltd	240 g/L	60 ml/100 L	14
				Walker 240 SC	SC	L10348	Villa Crop Protection (Pty) Ltd	240 g/L	60 ml/100 L	14
				diamides	chlorantraniliprole	IRAC 28	Altacor	WG	L8467	DuPont SA
	diamides +	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Coragen	SC	L8529	DuPont SA	200 g/L	17.5 ml/hl	10
	granulovirus	Thaumatotibia (Cryptophlebia) leucotreta granulovirus	--	GraTham	SC	L9038	Chempac (Pty) Ltd	2X 1010 occlusion bodies /mm	3.3 ml/100 L	0
	insect virus	Thaumatotibia (Cryptophlebia) leucotreta granulovirus	--	Cryptex	SC	L8037	Madumbi Sustainable Agriculture (Pty) Ltd	2 x 1010 occlusion bodies/ml	3.3 ml/100 L	0
				Cryptogran	SC	L7598	River Bioscience (Pty) Ltd	5 x 1010 occlusion bodies/ml	10 ml/100 L	0
	microbial	Beauveria bassiana	--	Broadband	EC	L8270	BASF South Africa (Pty) Ltd	4 x 109 spores/ml	50 ml/100 L	0
				Eco-Bb	SC	L8469	Madumbi Sustainable Agriculture (Pty) Ltd	2 x 109 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/100 L	84
	neonicotinoids + pyrethroid	acetamiprid + bifenthrin	IRAC 4A + 3A	Aceta Star 46 EC	EC	L9255	Adama South Africa (Pty) Ltd	16 g/L + 30 g/L	150 ml/100 L	28
	oxadiazines	indoxacarb	IRAC 22A	Steward 150 EC	EC	L8435	FMC Chemicals (Pty) Ltd	150 g/L	50 ml/100 L	14
				Check-Mate FCM-F	CS	L8384	Spectrum Research Services cc	175.2 g/L + 49.8 g/L	110 ml/ha	0
				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™ FCM	GS	L10320	Insect Science (Pty) Ltd	962.5 mg + 287.5 mg	1 disp. / 250 m2	0
				Isomate FCM	VP	L7692	Nulandis	0.24 g/kg	800 disp./ha/season	0
	spinosyns	spinetoram	IRAC 5	Delegate 250 WG	WG	L8392	Dow AgroSciences Southern Africa (Pty) Ltd	250 g/kg	20 g/100 L	7
sterilized insect technique	sterilized False Codling Moth males	--	Xsit FCM SIT	-	L10346	Xsit (Pty) Ltd / Edms. Bpk	14 000 per pack	Quantities to be determined by monitoring	0	
Leaf roller	avermectins; milbemycins	emamectin benzoate	IRAC 6	Proclaim	SG	L7581	Syngenta South Africa (Pty) Ltd	50 g/kg	22-34 g/100 L	14
Litchi moth	diamides + pyrethroid	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
Macadamia nut borer	avermectins; milbemycins	emamectin benzoate	IRAC 6	Emma	WG	L9022	Arysta LifeScience South Africa (Pty) Ltd	50 g/kg	20 g + 40 g Allice 20 SP and/or 30 g	50
				Vitex 50	WG	L9525	Meridian Agrochemical Company (Pty) Ltd	50 g/kg	30 g/100 L	50
	neonicotinoids	acetamiprid	IRAC 4A	Allice 20 SP	SP	L8723	Arysta LifeScience South Africa (Pty) Ltd	200 g/kg	50 g or 40 g + 20 g Emma	50
				Wonderland 200 SP	SP	L10057	FarmAg International (Pty) Ltd	200 g/L	50 g or 40 g + 20 g Emma	50
	organophosphate	acephate	IRAC 1B	Orthene 75 SP	SP	L0190	Arysta LifeScience South Africa (Pty) Ltd	750 g/kg	75 g/100 L	35

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Macadamia nut borer	spinosyns	spinetoram	IRAC 5	Delegate 250 WG	WG	L8392	Dow AgroSciences Southern Africa (Pty) Ltd	250 g/kg	20 g/100 L	7
	spore concentrate	metarhizium anisopliae	-	Real Metarhizium	-	L9281	Real IMP South Africa Pty Ltd	least 1 x 109 cfu/ml	200 to 400ml/ha	-
Mealy bug	sulfoximines	sulfoxaflor	IRAC 4C	Closer 240 SC	SC	L9694	Dow AgroSciences Southern Africa (Pty) Ltd	240 g/L	12 ml/100 L	14
	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
Red spider mite	unknown + botanical + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	Kannar 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
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + piperonyl butoxide + pyrethrin extract	IRAC 3A	Kannar 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
Stem borer	carbamates	carbaryl	IRAC 1A	Sevin XLR Plus	SC	L5783	Villa Crop Protection (Pty) Ltd	480 g/L	450 ml/100 L	0
	pyrethroid	beta-cyfluthrin	IRAC 3A	Bulldock Beta 125 SC	SC	L7612	Bayer (Pty) Ltd	125 g/L	1.2 ml/10 L	-
Stink bug	diamides + pyrethroid	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
	organophosphate	chlorpyrifos	IRAC 1B	Pyrinex 250 CS	CS	L6515	Adama South Africa (Pty) Ltd	250 g/L	200 ml/100 L	83
					EC	L4991	BASF South Africa (Pty) Ltd	100 g/L	10 ml/100 L	30
	pyrethroid	lambda-cyhalothrin	IRAC 3A	Fastac EC	SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	10 ml/100 L	30
					EC	L3752	Syngenta South Africa (Pty) Ltd	50 g/L	10 ml/100 L	7
CS					L6330	Syngenta South Africa (Pty) Ltd	50 g/L	100-200 ml/ha	7	
CS					L9023	Syngenta South Africa (Pty) Ltd	100 g/L	5 ml/100 L	7	
pyridine azomethine derivatives	pymetrozine	IRAC 9B	Chess	WG	L8104	Syngenta South Africa (Pty) Ltd	500 g/kg	40 g/100 L	21	
Thrips	spore concentrate	metarhizium anisopliae	-	Real Metarhizium	-	L9281	Real IMP South Africa Pty Ltd	least 1 x 109 cfu/ml	200 to 400ml/ha	-
	neonicotinoids	imidacloprid	IRAC 4A	Kohinor 350 SC	SC	L8447	Adama South Africa (Pty) Ltd	350 g/L	18 ml/tree	112
	organophosphate	chlorpyrifos	IRAC 1B	Pyrinex 250 CS	CS	L6515	Adama South Africa (Pty) Ltd	250 g/L	200 ml/100 L	83
	spinosyns	spinetoram	IRAC 5	Delegate 250 WG	WG	L8392	Dow AgroSciences Southern Africa (Pty) Ltd	250 g/kg	10 g/100 L	7
	unknown + botanical + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	Kannar 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
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + piperonyl butoxide + pyrethrin extract	IRAC 3A	Kannar 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
Whitefly	unknown + botanical + pyrethrin	canola oil + garlic juice extract + pyrethrin extract	IRAC 3A	Kannar 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
	botanical + aromatic + pyrethrin	canola oil + garlic juice extract + piperonyl butoxide + pyrethrin extract	IRAC 3A	Kannar 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

Instructions: Read product label carefully before application.

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 emulsion, VP - Vapour

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.

PHI = Pre-harvest interval (withholding period). 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.