

# Registered product list for Pecan nuts in South Africa

Update: August 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	
Aphids	botanical	garlic juice extract	--	Kannar Garlic Repellent 93C SC	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	Pyrinex 250 CS	CS	L6515	Adama South Africa (Pty) Ltd	250 g/L	200 ml/100 L	83		
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	
	microbial insecticide	Helicoverpa armigera nucleopolyhedrovirus	--	Helicovir	SC	L9543	River Bioscience (Pty) Ltd	5 x 10 <sup>9</sup> 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	
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	
				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	
				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 + pyrethroid	chlorantraniliprole + lambda-cyhalothrin	IRAC 28 + 3A	Ampligo	Altacor	WG	L8467	DuPont SA	350 g/kg	10 g/100 L	10
					Coragen	SC	L8529	DuPont SA	200 g/L	17.5 ml/hl	10
					Ampligo	CS	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
					Ampligo	CS	L8685	Syngenta South Africa (Pty) Ltd	100 g/L + 50 g/L	200-500 ml/ha	14
granulovirus	Thaumatotibia (Cryptophlebia) leucotreta granulovirus	--	GraTham	SC	L9038	Chempac (Pty) Ltd	2X 1010 occlusion bodies/mm	3.3ml/ 100l	0		
False codling moth	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	
				Broadband	EC	L8270	BASF South Africa (Pty) Ltd	4 x 10 <sup>9</sup> spores/ml	50 ml/100 L	0	
				Eco-Bb	SC	L8469	Madumbi Sustainable Agriculture (Pty) Ltd	2 x 10 <sup>9</sup> spores/g	1 g/L	0	
	neonicotinoids + pyrethroid	acetamiprid + bifenthrin	IRAC 4A + 3A	Cormoran 180 EC	EC	L9480	Adama South Africa (Pty) Ltd	80 g/L + 100 g/L	50-75 ml/100 L	84	
					Aceta Star 46 EC	EC	L9255	Adama South Africa (Pty) Ltd	16 g/L + 30 g/L	150 ml/100 L	28
					Steward 150 EC	EC	L8435	FMC Chemicals (Pty) Ltd	150 g/L	50 ml/100 L	14
oxadiazines	indoxacarb	--	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	
				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	

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False codling moth	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	Vitex 50	WG	L9525	Meridian Agrochemical Company (Pty) Ltd	50 g/kg	30 g/100 L	50	
				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 Emamectin benzoate 50 g/kg WG / 100 L	50
	organophosphate	acephate	IRAC 1B	Orthene 75 SP	SP	L0190	Arysta LifeScience South Africa (Pty) Ltd	750 g/kg	75 g/100 L	35	
Mealy bug	spinosyns	spinetoram	IRAC 5	Delegate 250 WG	WG	L8392	Dow AgroSciences Southern Africa (Pty) Ltd	250 g/kg	20 g/100 L	7	
	sulfoximines	sulfoxaflor	IRAC 4C	Closer 240 SC	SC	L9694	Dow AgroSciences Southern Africa (Pty) Ltd	240 g/L	12 ml/100 L	14	
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	
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	
				chlorpyrifos	IRAC 1B	Pyrinex 250 CS	CS	L6515	Adama South Africa (Pty) Ltd	250 g/L	200 ml/100 L
	organophosphate	alpha-cypermethrin	IRAC 3A	Fastac EC	EC	L4991	BASF South Africa (Pty) Ltd	100 g/L	10 ml/100 L	30	
				Fastac SC	SC	L4992	BASF South Africa (Pty) Ltd	100 g/L	10 ml/100 L	30	
				Karate EC	EC	L3752	Syngenta South Africa (Pty) Ltd	50 g/L	10 ml/100 L	7	
				Karate Zeon	CS	L6330	Syngenta South Africa (Pty) Ltd	50 g/L	100-200 ml/ha	7	
					Karate Zeon 10 CS	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	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	

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 releasing product, SP - Water-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.