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**SOUTH AFRICAN PECAN NUTS - MRL and PHI DETAILED LIST**

Maximum Residue Limit (MRL in mg/kg) and withholding period (PHI in days) against specific targets.

Registered under Act 36 of 1947 for specific use in South Africa on pecan nuts.

Target	Active ingredient	Tradename	International Convention Status	PHI	MRL	Comment
Leaf rust	azoxystrobin	Dimension 325 SC		45	0.01	No PHI indicated on label. Adopted 45 days from AmistarTop label.
	difenoconazole	Amistar Top		45	0.01	
	difenoconazole	Dimension 325 SC		45	0.01	
Leaf spot	azoxystrobin	Amistar Top		45	0.01	
	difenoconazole	Amistar Top		45	0.01	
Litchi moth	chlorantraniliprole	Ampligo	Monitored	14	0.1	
	lambda-cyhalothrin	Ampligo	Restricted	14	0.1	
Macadamia nut borer	acephate	Orthene 75 SP	Phased out	35	0.02	
	emamectin benzoate	Vitex 50		50	0.01	
	spinetoram	Delegate 250 WG	Monitored	7	0.01	
Mealybug	metarhizium anisopliae	Real Metarhizium 69		-	-	Proposed and confirmed for tree nuts, not yet published.
	sulfoxaflor	Closer 240 SC	Restricted	14	0.02	
Nematodes	fenamiphos	Nemacur 100 GR	Phased out	120	0.05	No withholding period indicated on label.
	furfural (aldehyde)	Crop Guard		-	-	
Panicle and shoot blight	azoxystrobin	Amistar Top		45	0.01	No PHI indicated on label. Adopted 45 days from AmistarTop label.
	azoxystrobin	Dimension 325 SC		45	0.01	
	difenoconazole	Amistar Top		45	0.01	
	difenoconazole	Dimension 325 SC		45	0.01	
Pecan stem borer	beta-cyfluthrin	Bulldock Beta 125 SC	Phased out	NA	NA	No letter received by registration holder. Not to be applied when there is fruit on the tree.
Powdery mildew	azoxystrobin	Amistar Top		45	0.01	No PHI indicated on label. Adopted 45 days from AmistarTop label.
	azoxystrobin	Dimension 325 SC		45	0.01	
	difenoconazole	Amistar Top		45	0.01	
	difenoconazole	Dimension 325 SC		45	0.01	
Red spider mite	abamectin	Agrimec Gold	Restricted	14	-	
Root development	glomus iranicum var. tenuihypharum	MycUp Activ		-	-	
Rust	azoxystrobin	Amistar Top		45	0.01	
	chlorothalonil	Bravo 720	Highly Restricted	120	0.01	
Scab	azoxystrobin	Amistar Top		45	0.01	No PHI indicated on label. Adopted 45 days from AmistarTop label.
	azoxystrobin	Dimension 325 SC		45	0.01	
	chlorothalonil	Bravo 720	Highly Restricted	120	0.01	
	difenoconazole	Amistar Top		45	0.01	
	difenoconazole	Dimension 325 SC		45	0.01	
	fentin hydroxide	Ag-Tin		-	-	
	potassium bicarbonate [syn. potassium hydrogen carbonate]	Agri-Cure SP		-	-	
	propiconazole	Propin 250 EC	Restricted	90	0.05	Published for pecan nuts in 2012.
Septoria leaf spot	chlorothalonil	Bravo 720	Highly Restricted	120	0.01	
Shot-hole	chlorothalonil	Bravo 720	Highly Restricted	120	0.01	
Stem borer	carbaryl	Sevin XLR Plus	Phased out	0	-	
Stink bug	alpha-cypermethrin	Fastac EC	Restricted	30	-	
	alpha-cypermethrin	Fastac SC	Restricted	30	-	
	chlorantraniliprole	Ampligo	Monitored	14	0.1	
	chlorpyrifos	Pyrinex 250 CS	Phased out	83	-	
	lambda-cyhalothrin	Ampligo	Restricted	14	0.1	
	lambda-cyhalothrin	Karate EC	Restricted	7	0.1	
	lambda-cyhalothrin	Karate Zeon	Restricted	7	0.1	
	lambda-cyhalothrin	Karate Zeon 10 CS	Restricted	7	0.1	
	pymetrozine	Chess	Restricted	21	0.02	
	thiamethoxam	Actara SC	Restricted	93	-	
	chlorpyrifos	Pyrinex 250 CS	Phased out	83	-	
	imidacloprid	Kohinor 350 SC	Restricted	112	-	
Thrips	metarhizium anisopliae	Real Metarhizium 69		-	-	
	spinetoram	Delegate 250 WG	Monitored	7	0.01	
Vegetative growth control	paclobutrazol	Avocet		0.05	-	No withholding period indicated on label.
	paclobutrazol	Cultar		0.05	-	No withholding period indicated on label.
Weeds	carfentrazone-ethyl	Aurora 40 WG		120	-	No withholding period indicated on label.
	carfentrazone-ethyl	Torus		120	-	
	cycloxydim	Focus Ultra		40	-	
	diquat	Parody 200 SL		7	-	
	diquat	Preeglon		-	-	
	diuron	Ag-Diuron 800 SC	Monitored	-	-	
	diuron	Develop 800 WDG	Monitored	-	-	
	diuron	Diurex 80 WG	Monitored	-	-	
	diuron	Diurex 800 SC	Monitored	-	-	
	diuron	Diuron 800 SC (L6236)	Monitored	-	-	
	diuron	Diuron 800 SC (L7042)	Monitored	-	-	
	diuron	Diuron 800 WG	Monitored	-	-	
	diuron	Diuron 800 WP	Monitored	-	-	
	diuron	Dynamo 800 SC	Monitored	-	-	
	diuron	Extend 800 WDG	Monitored	-	-	
	diuron	FarmAg Diuron 800 SC	Monitored	-	-	
	diuron	FarmAg Diuron 800 WG	Monitored	-	-	
	diuron	Farmex	Monitored	-	-	
	diuron	Karmex DF (L7998)	Monitored	-	-	
	diuron	Nufarm Diuron 900 WG	Monitored	-	-	
	fluzifop-p-butyl	Fusilade Forte		40	0.05	
	glufosinate-ammonium	Basta	Restricted	-	-	
	glufosinate-ammonium	Bound 200 SL	Restricted	-	-	
	glufosinate-ammonium	Brass 200 SL	Restricted	-	-	
	glufosinate-ammonium	Coller 200 SL	Restricted	-	-	
	glufosinate-ammonium	Glufos 200 SL	Restricted	-	-	
	glufosinate-ammonium	Knersus 200 SL	Restricted	-	-	
	glufosinate-ammonium	Lifeline	Restricted	-	-	
	glufosinate-ammonium	Nirvana	Restricted	-	-	
	glufosinate-ammonium	Silent	Restricted	-	-	
	glyphosate	Bounty SL	Monitored	-	-	
	glyphosate	Enviro Glyphosate 360	Monitored	-	-	
	glyphosate	Erase 360 SL	Monitored	-	-	
	glyphosate	Glygran 710 SG	Monitored	-	-	
	glyphosate	Glynos 540 SL	Monitored	-	-	
	glyphosate	Glyphogan Plus	Monitored	-	-	
	glyphosate	Kalach 510 SL	Monitored	-	-	
	glyphosate	Kalach 700 WSG	Monitored	-	-	
	glyphosate	Makhro Glyphosate 360 SL	Monitored	-	-	
	glyphosate	Mamba 360 SL	Monitored	-	-	
	glyphosate	Mamba DMA 480 SL	Monitored	-	-	
	glyphosate	Mamba Max 480 SL	Monitored	-	-	
	glyphosate	Muscle-Up 360 SL	Monitored	-	-	



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Registered under Act 36 of 1947 for specific use in South Africa on pecan nuts.

Target	Active ingredient	Tradename	International Convention Status	PHI	MRL	Comment
Weeds	glyphosate	Panga 360 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Panga High-Load 600 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Panga Turbo 450 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Piranha 360 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Piranha 510 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Piranha Dry	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Rondo 757 SG	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Roundup	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Roundup Max	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Roundup Turbo	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Scat 360 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Seismic	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Sharda Glyphosate 360 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Silvimax	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Silvinator	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Slash 360 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Slash 710 SG	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Slash Turbo 450 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Springbok 360 SL	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Touchdown Forte HiTech	Monitored	-	-	No withholding period indicated on label.
	glyphosate	Tumbleweed	Monitored	-	-	No withholding period indicated on label.
	indaziflam	Alion		154	0.01	Proposed MRL received from Bayer Crop Science.
	paraquat	Agriquat 200 SL	Restricted	-	-	No withholding period indicated on label.
	paraquat	Agroquat 200 SL	Restricted	-	-	No withholding period indicated on label.
	paraquat	AVI-Paraquat	Restricted	-	-	No withholding period indicated on label.
	paraquat	Castle Paraquat 200	Restricted	-	-	No withholding period indicated on label.
	paraquat	Gramoxone	Restricted	-	-	No withholding period indicated on label.
	paraquat	Harpoon 200 SL	Restricted	-	-	No withholding period indicated on label.
	paraquat	Makhro Paraquat	Restricted	-	-	No withholding period indicated on label.
	paraquat	Paragone SL	Restricted	-	-	No withholding period indicated on label.
	paraquat	Paraquat 200	Restricted	-	-	No withholding period indicated on label.
	paraquat	Paraquat SL	Restricted	-	-	No withholding period indicated on label.
	paraquat	Parody 200 SL	Restricted	7	-	No withholding period indicated on label.
	paraquat	Preeglone	Restricted	-	-	No withholding period indicated on label.
	paraquat	Remquat 200 SL	Restricted	-	-	No withholding period indicated on label.
	paraquat	Scorcher	Restricted	-	-	No withholding period indicated on label.
	paraquat	Sharda Paraquat 200 SL	Restricted	-	-	No withholding period indicated on label.
	paraquat	Shinquat 200 SL	Restricted	-	-	No withholding period indicated on label.
	paraquat	Skoffel 145 SL	Restricted	-	-	No withholding period indicated on label.
	paraquat	Skoffel 200 Super	Restricted	-	-	No withholding period indicated on label.
	trifluralin	Nufarm Trifluralin 480 EC	Phased out	-	-	
	trifluralin	Rifle 480 EC	Phased out	-	-	
	trifluralin	Trifluralin 480 EC	Phased out	-	-	
	trifluralin	Triflurex 480 EC	Phased out	-	-	

- Indicates no set MRL value.

High risk active ingredients have been categorized based on a) WHO 1A and 1B lists of highly hazardous active ingredients, b) EU PIC lists or c) the Rotterdam and Stockholm Conventions.

Banned actives should not be used where alternatives exist, and are internationally being phased out, usage is restricted and alternatives must be considered.

Restricted actives pose risks without many alternatives available. For this class, it is advised that mitigation programs are implemented. Highly restricted actives have implications per specific crop and country.

Alternatives should be implemented for phased out actives.

Monitored actives have related concerns and might become restricted or banned in the future.

Updated: September 2022

The provider cannot accept any liability for its accuracy and users who rely on this information do so at their own risk.