



MRL AND PRODUCT INFORMATION (updated March 2020)

Maximum Residue Limit (MRL in mg/kg per Country) and SA Pre-harvest Interval (PHI) for registered active ingredients on pecan nuts in SA.

Product trade names and targets are given as registered for the use on pecan nuts. **Updates in red text.**

MRLs (mg/kg = ppm); PHI (days); (*) LoD = lower limit of analytical determination; (-) No set MRL value, or exempt - refer to Codex MRL. If no Codex MRL, use the MRL for SA.

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

active ingredient	Tradename	Target	PHI	SA	EU	USA	Russia	Codex	China	Japan	Canada	Comments
abamectin [syn. avermectin]	Agrimec Gold	European red mite, Red spider mite	14	-	0.01*	0.01	-	0.005	-	0.01	0.01	EU MRL: Sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a, expressed as avermectin B1a (fat soluble). Codex MRL: Avermectin B1a. USA MRL: As avermectin B1 and its delta-8,9-isomer. Tolerances are established for residues of abamectin, including its metabolites and degradates. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
acetamiprid	Cormoran 180 EC	False codling moth	84	0.1	0.07	0.1	-	0.06	-	0.1	0.1	SA MRL: Proposed MRL. USA MRL: Tolerances are established for residues of the insecticide acetamiprid, including its metabolites and degradates, as a result of the application of acetamiprid. Compliance with the tolerance levels specified below is to be determined by measuring only acetamiprid in or on the commodity. Russia MRL: As acetamipride. No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. Japan MRL: For crops and honey, acetamiprid only.
	Allice 20 SP		50									
	Aceta Star 46 EC		28									
acephate	Orthene 75 SP	Macadamia nut borer	35	-	0.02*	0.02	-	-	-	0.01	-	EU MRL: Status: Expired. USA MRL: A tolerance with a regional registration is established for residues of acephate including its metabolites and degradates other than methamidophos. Compliance with the tolerance level is to be determined by measuring only acephate in or on the commodity. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
alpha-cypermethrin	Fastac SC	Bollworm, Stink bug, Banded fruit weevil	30	-	0.05*	0.05	-	0.05*	-	0.05	0.05	USA MRL: Tolerances are established for residues of the insecticide, alpha-cypermethrin including its metabolites and degradates. Compliance with the tolerance levels is to be determined by measuring only total cypermethrin. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. Codex MRL: As cypermethrins (including alpha- and zeta- cypermethrin): cypermethrin (sum of isomers). Canada MRL: As cypermethrin.
azoxystrobin	Amistar Top	Anthracnose, Blossom blight, Downy spot, Late blight, Leaf spot, Panicle and shoot blight, Powdery mildew, Leaf rust, Pecan scab	45	0.01	0.01	0.02	0.01	0.01	-	0.02	0.02	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. USA MRL: Tolerances are established for residues of the fungicide, azoxystrobin, including its metabolites and degradates. Codex MRL: Definition of the residue (for compliance with MRL and for estimation of dietary intake) for plant and animal commodities: azoxystrobin.The residue is fat soluble.
Beauveria bassiana	Broadband	False codling moth	0	-	-	-	-	-	-	-	0.1	SA PHI: No withholding period applicable. Apply as instructed on the label. EU MRL: As Beauveria bassiana strains 147, ATCC 74040, GHA, NPP1118005, IM1389521 and PPRI 5339. Default MRL of 0.01 mg/kg. USA MRL: As Beauveria bassiana, Strain GHA: Exempt from tolerance when applied to growing crops. As Beauveria bassiana, ATCC #74040: Exempt from tolerance when applied or used as ground and aerial foliar sprays for use only on terrestrial crops. As Beauveria bassiana, strain ANT-03: Exempt from tolerance when applied as a microbial insecticide. Russia MRL: Not subject to tolerance.
	Eco-Bb											
Bacillus thuringiensis , subspecies kurstaki (strain S84)	BeTaPro	False codling moth	0	-	0.01	-	-	-	-	-	-	SA PHI: No withholding period applicable. Apply as instructed on the label. Limited MRL information exists. EU Harmonized MRL: Default MRL of 0.01 mg/kg according to art 18(1)(b) Reg 396/2005.
beta-cyfluthrin	Bulldock Beta 125 SC	Bark borer, Stem borer	-	-	0.02*	0.01	-	0.05	-	0.02	0.05	SA PHI: Apply as instructed on the label, never on nuts. Stem treatment: no withholding period indicated on label. EU MRL: As cyfluthrin. USA MRL: Tolerances are established for residues of the isomer, beta-cyfluthrin [mixture comprising the enantiomeric pair (R)-α-cyano-4-fluoro-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (S)-α-cyano-4-fluoro-3-phenoxybenzyl (1R,3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate] with the enantiomeric pair (R)-α-cyano-4-fluoro-3-phenoxybenzyl (1S,3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (S)-α-cyano-4-fluoro-3-phenoxybenzyl (1R,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate]. Russia MRL: As beta-cyfluthrine. No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. Codex & Japan MRL: As cypermethrins (including alpha- and zeta- cypermethrin): cypermethrin / cyfluthrin (sum of isomers). Canada MRL: As cypermethrin.
bifenthrin	Aceta Star 46 EC	False codling moth	28	0.05	0.05	0.05	-	0.05	-	0.05	0.1	SA MRL: Proposed MRL. USA MRL: Tolerances are established for residues of the insecticide bifenthrin, including its metabolites and degradates. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
boscalid	Bellis	Anthracnose, Blossom blight, Husk rot, Husk spot	14	1	0.05*	0.7	0.05	0.05*	-	0.7	0.7	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. EU MRL: Boscalid (fat soluble). USA MRL: Tolerances are established for residues of the fungicide boscalid, including its metabolites and degradates (3-pyridinecarboxamide, 2-chloro-N-(4-ethyl-1,1-biphenyl)-2-yl). Russia MRL: As Boskalide. Codex MRL: The residue is fat soluble. Canada MRL: 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-3-pyridinecarboxamide.
canola oil	Kannar Pygar 932	Ants, Aphids, Astylus beetle, Bollworm, CMR beetle, Red spider mite, Thrips, Whitefly	1	-	-	-	-	-	-	-	0.1	EU MRL: As Plant oils - Rape seed oil. No MRL required. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
	Kannar KangroShield 100		2									
carbaryl	Sevin XLR Plus	Stem and bark borers	-	-	0.02*	0.1	1	1	-	1	1	SA PHI: Stem application, no PHI applicable. EU MRL: Status: expired. USA MRL: Tolerances are established for residues of the insecticide carbaryl, 1-naphthyl N-methylcarbamate. Canada MRL: Nuts (shelled): 1 mg/kg. Nuts (whole in shells): 10 mg/kg. From Homologa.
(E,E)-8,10-dodecadien-1-ol (codlemone)	BioLure CM Chempac BioLure CM-10X	Codling moth	0	-	-	-	-	-	-	-	-	No MRL applicable (lures).
carfentrazone-ethyl	Aurora 40WG	Broadleaf weeds	-	-	0.01*	0.1	-	-	-	-	0.1	SA PHI: Apply as instructed on the label. No withholding period indicated on label. EU MRL: Fat soluble. USA MRL: Tolerances are established for residues of the herbicide carfentrazone-ethyl, including its metabolites and degradates. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
	Torus											

Active Ingredient	Tradename	Target	PHI	SA	EU	USA	Russia	Codex	China	Japan	Canada	Comments
chlorantraniliprole	Altacor	False codling moth	10	0.1	0.05	0.02	-	0.02	0.02	0.02	0.02	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. USA MRL: Tolerances are established for residues of the insecticide chlorantraniliprole, including its metabolites and degradates. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. China & Japan MRL: Temporary
	Coragen											
	Ampligo	Bollworm, Carob moth, Codling moth, False codling moth, Litchi moth, Stink bug complex	14									
chlorothalonil	Bravo 720	Alternaria blight, Blossom blight, Botrytis, Brown rot - Monilinia, Eastern Filbert blight, Stone fruit rust, Scab, Septoria leaf spot, Shot-hole	120	-	0.01*	-	-	-	-	0.01	0.1	Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
chlorpyrifos	Pyrinex 250 CS	Cotton aphid, Stink bug, Thrips	83	-	0.05*	0.2	0.05	0.05*	-	0.2	0.1	Russia MRL: Russian national MRL. USA MRL: Cycloxydim are established for residues of the pesticide chlorpyrifos.
cycloxydim	Focus Ultra	Weeds - Grass weeds	40	-	0.05*	-	-	-	-	0.05	0.1	EU MRL: Cycloxydim including degradation & reaction prod. which can be determined as 3-(3-thianyl)glutaric acid 5-dioxide (BH517-TGSO2) and/or 3-hydroxy-3-(3-thianyl)glutaric acid 5-dioxide (BH517-5-OH-TGSO2) or methyl esters thereof, calcu. in tot as cycloxydim. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
cyprodinil	Switch	Alternaria, Botrytis	7	1	0.02*	0.04	-	-	-	0.01	0.1	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. EU MRL: Cyprodinil (fat soluble). USA MRL: Tolerances are established for residues of the fungicide cyprodinil, including its metabolites and degradates. Compliance with the tolerance levels is to be determined by measuring only cyprodinil 4-cyclopropyl-6-methyl-N-phenyl-2-pyrimidinamine. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. Canada MRL: 4-cyclopropyl-6-methyl-N-phenyl-2-pyrimidinamine.
	Chorus	Alternaria, Fruit rot										
difenoconazole	Amistar Top	Anthracnose, Blossom blight, Downy spot, Late blight, Leaf spot, Panicle and shoot blight, Powdery mildew, Leaf rust, Pecan scab	45	0.01	0.05*	0.03	-	0.03	0.03	0.03	0.03	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. USA MRL: Tolerances are established for residues of difenoconazole, including its metabolites and degradates. Determined by measuring only difenoconazole, 1-[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole, in or on raw commodity. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. Codex MRL: Definition of the residue (for compliance with the MRL and for estimation of dietary intake) for plant commodities: difenoconazole. Residue is fat-soluble. Canada MRL: 1-[[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole.
	Score	Husk spot										
diquat	Parody 200 SL	Broadleaf weeds, Grass weeds	7	-	0.02	0.02	-	-	-	0.03	0.1	SA PHI: Keep livestock out of treated areas for 7 days (Parody 200SL), else, apply as instructed on the label. No withholding period indicated on label. USA MRL: Tolerances are established for residues of the herbicide diquat (calculated as the cation) derived from the application of the dibromide salt to ponds, lakes, reservoirs, marshes, drainage ditches, canals, streams, and rivers which are slow-moving or quiescent in programs of the Corp of Engineers or other Federal or State public agencies and to ponds, lakes and drainage ditches only where there is little or no outflow of water and which are totally under the control of the user. Russia MRL: As diquat (dibromide). No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
	Preelone		-									
diuron	Ag-Diuron 800 SC	Broadleaf weeds, Grass weeds	-	-	0.02*	0.05	0.02	-	-	0.05	0.1	SA PHI: Apply as instructed on the label. No withholding period indicated on label. USA MRL: Tolerances are established for the combined residues of the herbicide diuron and its metabolites convertible to 3,4-dichloroaniline.
	Diurex 80 WG											
	Diurex 800 SC											
	Diuron 800 SC (L6236)											
	Diuron 800 SC (L7042)											
	Diuron 800 WG											
	Diuron 800 WP											
	Dynamo 800 SC											
	FarmAg Diuron 800 SC											
	FarmAg Diuron 800 WG											
	Farmex											
	Karmex DF (L7998)											
E/Z-8-dodecenol	Isomate FCM	False codling moth	-	-	-	-	-	-	-	-	0.1	SA PHI: No withholding period applicable. Apply as instructed on the label. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
emamectin benzoate	Proclaim	Bollworm, Codling moth, False codling moth, Leaf roller	14	0.01*	0.01	0.02	-	0.001	-	0.01	0.1	SA & EU MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. USA MRL: As emamectin. Tolerances are established for emamectin, including its metabolites and degradates. China & Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
	Emma	Macadamia nut borer	50									
	Vitex 50	Macadamia nut borer	50									
fentin hydroxide	Ag-Tin	Scab	-	-	0.05	0.05	-	-	-	0.05	0.1	PHI: Do not spray after the shucks have opened. USA MRL: Tolerances are established for the combined residues of the fungicide triphenyltin hydroxide (TPTH) and its monophenyltin (MPH) and diphenyltin (DPH) hydroxide and oxide metabolites, expressed in terms of parent TPTH. EU MRL status: Banned, expired.
fluzifop-P-butyl	Fusilade Forte	Broadleaf weeds, Grass weeds	40	0.05	0.01*	0.05	-	0.01*	-	0.01	0.1	USA MRL: Tolerances are established for residues of the herbicide fluzifop-P-butyl, including its metabolites and degradates. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. Japan MRL: defined as the sum of fluzifop-butyl and fluzifop acid (including metabolites which is changed into fluzifop acid by hydrolysis) which is expressed as fluzifop-butyl. In this case, fluzifop-butyl includes fluzifop-P-butyl and fluzifop acid includes fluzifop-P-acid. EU MRL: Fluzifop-P (sum of all the constituent isomers of fluzifop, its esters and its conjugates, expressed as fluzifop).

Active Ingredient	Tradename	Target	PHI	SA	EU	USA	Russia	Codex	China	Japan	Canada	Comments
fludioxonil	Switch	Alternaria, Botrytis	7	0.5	0.01*	-	-	-	-	0.01	0.1	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. EU MRL: Value indicates LoD (fat soluble). Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. Japan MRL: Sum of fludioxonil.
fenamiphos	Nemacur 100 GR	Nematodes	120	0.05	0.02*	-	-	-	-	0.02	-	China MRL: 0.02 for coconuts.
furfural (aldehyde)	Protect	Soil fungi & plant parasitic nematodes	-	-	1	-	-	-	-	-	-	EU MRL status: Expired.
garlic juice extract	Kannar Pygar 932	Ants, Aphids, Astylus beetle, Bollworm, CMR beetle, Red spider mite, Thrips, Whitefly	1	-	-	-	-	-	-	-	0.1	SA PHI: Apply as instructed on the label. "-" indicates no withholding period indicated on label. EU MRL: As Garlic extract. No MRL required. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
	Kannar KangroShield 100		2									
	Kannar Garlic Repellent 930	Aphids	0									
glufosinate-ammonium	Basta	Broadleaf weeds, Grass weeds, Sedges	-	-	0.1	0.1	0.1	0.1	-	0.1	0.1	SA PHI: Apply as instructed on the label. No withholding period indicated on label. EU MRL: Sum of glufosinate, its salts, MPP and NAG expressed as glufosinate equivalents. USA MRL: Tolerances are established for residues of the herbicide glufosinate ammonium, including its metabolites and degradates. Russia MRL: Russian national MRL. Codex MRL: Sum of glufosinate, 3-(hydroxy(methyl)phosphinoyl)propionic acid and N-acetyl-glufosinate, calculated as glufosinate (free acid). The residue is not fat soluble. Japan MRL: Sum of glufosinate, 3-methylphosphinico propionic acid, and N-acetyl-glufosinate, each expressed as glufosinate ammonium. Canada MRL: 2-amino-4-(hydroxymethylphosphinyl) butanoic acid monoammonium salt, including the metabolite propanoic acid, 3-(hydroxymethylphosphinyl).
	Glufos 200 SL											
	Nirvana											
	Silent											
glyphosate	Bounty 500 WSG	Broadleaf weeds, Grass weeds, Noxious weeds	-	-	0.1*	1	-	-	-	1	0.1	SA PHI: Apply as instructed on the label. No withholding period indicated on label. USA MRL: Tolerances are established for residues of glyphosate, including its metabolites and degradates resulting from the application of glyphosate, the isopropylamine salt of glyphosate, the ethanolamine salt of glyphosate, the dimethylamine salt of glyphosate, the ammonium salt of glyphosate, and the potassium salt of glyphosate. Compliance with the following tolerance levels is to be determined by measuring only glyphosate (N-(phosphonomethyl)glycine). Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
	Bounty SL											
	Glygran 710 SG											
	Glyphogan 360 SL											
	Kalach 510 SL											
	Makhro Glyphosate 360 SL											
	Panga 360 SL											
	Panga Turbo 450 SL											
	Rondo 757 SG											
	Roundup											
	Roundup Max											
	Roundup Turbo											
	Scat 360 SL											
	Sharda Glyphosate 360 SL											
	Slash Turbo 450 SL											
	Touchdown Forte HiTech											
	Tumbleweed											
	Enviro Glyphosate 360											
	Erase 360 SL											
	Glyphosate WSG											
	Kalach 700 WSG											
	Nexus Glyphosate 360											
	Panga High-Load 600 SL											
	Piranha 510 SL											
	Piranha Dry											
	Pirhana 360 SL											
	Seismic											
	Springbok 360 SL											
	Glyphofix 180 SL											
	Mamba 360 SL											
	Mamba DMA 480 SL											
	Mamba Max 480 SL											
	Muscle-Up 360 SL											
	Silvimax											
	Silvinator											
	Slash 360 SL											
	Slash 710 SG											
Helicoverpa armigera nucleopolyhedrovirus [syn. bollworm]	Helicovir Graboll Bolidex®	African (American) bollworm	0	-	-	-	-	-	-	-	0.1	EU MRL: As Helicoverpa armigera nucleopolyhedrovirus (HearNPV). No MRL required. USA MRL: As nuclear polyhedrosis virus of Heliothis zea. Exempt from tolerance. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
imidacloprid	kohinor 350 SC	Aphids, Thrips	112	-	0.05*	0.05	0.05	0.01	-	0.04	0.05	USA MRL: Tolerances are established for residues of the insecticide imidacloprid, including its metabolites and degradates. Russia MRL: As imidaclopride.
indoxacarb	Steward 150 EC	False codling moth	14	-	0.02*	-	-	-	-	0.01	0.1	Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
lambda-cyhalothrin	Ampligo	Bollworm, Carob moth, Codling moth, False codling moth, Litchi moth, Stink bug complex	14	0.1	0.01*	0.05	-	0.01*	0.01	0.5	0.05	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. USA MRL: Tolerances are established for the combined residues of the pyrethroid lambda-cyhalothrin, and its epimer expressed as epimer of lambda-cyhalothrin. Russia MRL: As lambda-cygalotrine. No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. Codex MRL: As cyhalothrin (includes lambda-cyhalothrin): cyhalothrin (sum of all isomers).
	Karate EC											
	Karate Zeon											
methoxyfenozide	Karate Zeon 10 CS	Stink bug	7									SA MRL: Proposed MRL, to be confirmed by DoH. USA MRL: Tolerances are established for residues of the insecticide methoxyfenozide, including its metabolites and degradates. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
	Marksman 240 SC	False codling moth	14	3	0.1	0.1	-	0.1	-	0.1	0.1	SA MRL: Proposed MRL. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA. USA MRL: Tolerances are established for residues of the insecticide novaluron, including its metabolites and degradates, in or on the following commodities. Compliance with the tolerance levels specified in the following table is to be determined by measuring only novaluron, [N-[[[3-chloro-4-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluorobenzamide].
	Runner 240 SC											
	Walker 240 SC											
novaluron	Cormoran 180 EC	False codling moth	84	0.01	0.01*	0.01	-	-	-	0.01	0.1	

Active Ingredient	Tradename	Target	PHI	SA	EU	USA	Russia	Codex	China	Japan	Canada	Comments																																			
organic plant acids	Kannar Kanguard 940	Fungi	1	-	-	-	-	-	-	-	0.1	SA PHI: 24 hours. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.																																			
paclobutrazol	Avocet Cultar	Vegetative growth control	-	0.05	0.01	-	-	-	-	0.01	0.1	SA MRL: As paclobutrazol (sum of paclobutrazol and paclobutrazolketone). SA PHI: Apply as instructed on the label. No withholding period indicated on label.																																			
paraquat	Parody 200 SL Preeglone Agriquat 200 SL Agroquat Agroquat 200 SL AVI-Paraquat Castle Paraquat 200 Gramoxone Harpoon 200 SL Makhro Paraquat Nexus Paraquat SL Paragone SL Paraquat 200 Paraquat SL Remquat 200 SL Scorcher Sharda Paraquat 200 SL Shinquat 200 SL Skoffel 145 SL	Broadleaf weeds, Grass weeds	-		0.02*	0.05	0.05	0.05	0.05	0.05	0.1	SA PHI: Keep livestock out of treated areas for 7 days (Parody 200SL), apply as instructed on the label. No withholding period indicated on label. USA MRL: Tolerances are established for residues of the desiccant, defoliant, and herbicide paraquat derived from application of either the bis(methyl sulfate) or the dichloride salt (both calculated as the cation). China MRL: Temporary.																																			
	Skoffel 200 Super												Broadleaf weeds, Grass weeds, Sedges																																		
	piperonyl butoxide												Kannar KangroShield 100	Ants, Aphids, Astylus beetle, Bollworm, CMR beetle, Red spider mite, Thrips, Whitefly	2	10	-	-	-	-	-	8	0.1	SA MRL: Dried nuts. SA PHI: Edible crops. EU MRL: MRL not applicable. Piperonyl butoxide is a synergist and therefore is not covered by Regulation (EC) No 396/2005. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.																							
	polyether-polymethylsiloxane-copolymer												Break-Thru Charge Supawett Techniwet Super	Adjuvant	-	-	-	-	-	-	-	-	0.1	Ajuvant																							
													propiconazole												Bumper 250 EC Makhroazole 250 EC Propiconazole 250EC Propizole 250 EC Tilt	Scab	90	0.05	0.02*	0.1	0.02	0.02*	0.02	0.05	0.1	EU MRL: Propiconazole plus all metabolite convertible to 2,4-dichloro-benzoic acid, expressed as propiconazole. The residue is fat-soluble. USA MRL: Tolerances are established for residues of propiconazole, including its metabolites and degradates. Determined by measuring only those propiconazole residues convertible to 2,4-dichlorobenzoic acid (2,4-DCBA), expressed as the stoichiometric equivalent of propiconazole. Russia MRL: Russian national MRL. Codex MRL: Pyraclostrobin. The residue is fat-soluble. Japan MRL: Temporary. Canada MRL: 1-[2-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole.											
													pymetrozine												Chess												Stink bug, Sucking bug complex	21	0.02	0.02*	0.02	-	-	-	0.02	0.02	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. USA MRL: Tolerances are established for residues of the insecticide pymetrozine. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.
													pyraclostrobin												Bellis												Anthracnose, Blossom blight, Husk rot, Husk spot	14	0.02	0.02*	0.04	0.02	0.02*	-	0.02	0.04	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. EU MRL: Value indicates LoD (fat soluble). USA MRL: Tolerances are established for residues of the fungicide pyraclostrobin, including its metabolites and degradates. Sum of pyraclostrobin (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy] methyl]phenyl]methoxy-, methyl ester) and its desmethoxy metabolite (methyl-N-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl] phenyl]carbamate), calculated as the stoichiometric equivalent of pyraclostrobin. Russia MRL: 0.2 ppm set by Customs Union. MRL set by Russia: 0.02 ppm. Codex MRL: Pyraclostrobin. The residue is fat-soluble. Canada MRL: Methyl N-[2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]-N-methoxycarbamate, including the metabolite 2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl carbamate.
	pyrethrin extract												Kannar Pygar 932 Kannar KangroShield 100	Ants, Aphids, Astylus beetle, Bollworm, CMR beetle, Red spider mite, Thrips, Whitefly	1 2	1 1	1 -	0.5 0.5	0.5 -	- 1	0.1 0.1	SA PHI: Edible crops: 24 hours. EU MRL: As pyrethrins. CODEX MRL: Total pyrethrins, calculated as the sum of pyrethrins 1 and 2, cinerins 1 and 2, and jasmolins 1 and 2, determined after calibration with the World Standard pyrethrum extract. Russia MRL: As pyrethrins. Russian national MRL. Japan MRL: Sum of residues of pyrethrin I and pyrethrin II = 1mg/kg according to Homologa.																									
	spinetoram												Delegate 250 WG	False codling moth, Nut borer, Thrips	7	0.01	0.05*	0.1	0.01	0.01	-	0.1	0.02	SA MRL: DoH Amendment Gazette no. 43008, 10 Feb 2020. USA MRL: Tolerances are established for residues of the insecticide spinetoram, including its metabolites and degradates. CHINA MRL: Temporary = 0.01mg/kg.																							
	sulfoxaflor [syn. isoclast]												Closer 240 SC	Mealy bug	14	0.02	0.02	0.02	-	-	-	0.02	0.015	SA MRL: Proposed MRL. USA MRL: Tolerances are established for residues of the insecticide sulfoxaflor, including its metabolites and degradates. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.																							
	terpenic polymer												Sprayfilm 10	Adjuvant	-	-	-	-	-	-	-	-	0.1	Adjuvant																							
													Thaumototibia (Cryptophlebia) leucotreta	Cryptex Cryptogran	False codling moth	0	-	0.01	-	-	-	-	0.1	SA PHI: No withholding period applicable. Apply as instructed on the label. EU MRL: Default MRL of 0.01 mg/kg.																							
	thiamethoxam												Actara SC	Stink bug	93	-	0.01*	0.02	-	0.01*	-	0.02	0.02	USA MRL: Tolerances are established for residues of the insecticide thiamethoxam, including its metabolites and degradates, in or on the following commodities. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.																							
	trifluralin												Makhtrotref 480 EC Rifle 480 EC Trifluralin 480 EC Triflurex 480 EC	Broadleaf weeds, Grass weeds	-	-	0.01*	0.05	-	-	-	0.05	0.1	SA PHI: Apply as instructed on the label. No withholding period indicated on label. USA MRL: Tolerances are established for residues of trifluralin, including its metabolites and degradates. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.																							
													CheckMate FCM-F												False codling moth	0	-	0.01	-	-	-	-	0.1														
RB SPLAT FCM																																															
X-Mate F.C.M.																																															
Isomate FCM																																															
(E)-8-dodecenyl acetate [syn. (E)-8-dodecen-1-yl acetate]	CheckMate FCM-F RB SPLAT FCM X-Mate F.C.M. Isomate FCM	False codling moth	0	-	0.01	-	-	-	-	-	0.1	SA PHI: No withholding period applicable. Apply as instructed on the label. EU MRL: As Straight Chain Lepidopteran Pheromones. Default MRL of 0.01 mg/kg. USA MRL: As Lepidopteran pheromones: Exempt from tolerance when applied to growing crops and/or applied as a post-harvest treatment to stored food commodities. Russia MRL: No MRL indicated. Refer to Codex MRL. If no Codex MRL, use the MRL for SA.																																			
(Z)-8-dodecenyl acetate [syn. (Z)-8-dodecen-1-yl acetate]	CheckMate FCM-F RB SPLAT FCM X-Mate F.C.M. Isomate FCM																																														