



PECAN NUTS: Information on products registered under Act 36 of 1947 for specific use in South Africa.

The information listed below is provided as a guideline to growers.
The provider cannot accept any liability for its accuracy and users who rely on this information do so at their own risk.

HERBICIDES

Target	Group code	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	Application type	Notes
Broadleaf weeds	HRAC E	carfentrazone-ethyl	Aurora 40WG	WG	L6794	FMC Chemicals (Pty) Ltd	400 g/kg	25 g/ha	Ground	Weeds: Post-emergence. Add a suitable surfactant (Penetrex 0.5% or NPX Humectant 0.25%). Add 3 L Roundup or Mamba 360 SL or Mamba Max 480SL.
Broadleaf weeds	HRAC E	carfentrazone-ethyl	Torus	EW	L6794	FMC Chemicals (Pty) Ltd	240 g/L	42 ml/ha	Ground	Add 5 L NIRVANA to spray mixture and apply before flowering. Weeds: Post-emergence.
Broadleaf weeds, Grass weeds	HRAC D + D	diquat + paraquat	Parody 200 SL	SL	L8398	Arysta LifeScience South Africa (Pty) Ltd	80 g/L + 120 g/L	1.25-5 L/ha	Ground	Weeds: Post-emergence Paraquat ion (bipyridylum): 120 g/L. Paraquat dichloride salt: 165.6 g/L. Diquat ion (bipyridylum): 80 g/L. Diquat dibromide salt 149.4 g/L. Add 100 ml VOLCANOBLEND/100 L spray mixture.
Broadleaf weeds, Grass weeds	HRAC D + D	diquat + paraquat	Preeglon	WS	L3304	Syngenta South Africa (Pty) Ltd	80 g/L + 120 g/L	1.25-5 L/ha	Overall application	Weeds: Post-emergence Paraquat ion (bipyridylum): 120 g/L. Paraquat dichloride salt: 165.6 g/L. Diquat ion (bipyridylum): 80 g/L. Diquat dibromide salt 149.4 g/L. Add either 50 ml AGRAL 90/100 L spray mixture (2.5 ml/5 L water) or Complement Super at 10
Broadleaf weeds, Grass weeds	HRAC C2	diuron	Ag-Diuron 800 SC	SC	L7952	Rolfes Agri	800 g/L	2 L/ha	Ground; spot sprays	Apply during spring to cleanly cultivated soil. Repeat application after 2 to 3 months.
Broadleaf weeds, Grass weeds	HRAC C3	diuron	Diurex 80 WG	WG	L8139	Adama South Africa (Pty) Ltd	800 g/kg	2 kg/ha	Ground application	Weeds: Pre-emergence Apply onto cleanly cultivated soil during spring. Repeat application after 2 to 3 months.
Broadleaf weeds, Grass weeds	HRAC C4	diuron	Diurex 800 SC	SC	L5334	Adama South Africa (Pty) Ltd	800 g/L	2 L/ha	Soil application	Crop: Post-emergence; Weeds: Pre-emergence Apply onto cleanly cultivated soil during spring. Repeat application after 2 to 3 months.
Broadleaf weeds, Grass weeds	HRAC C5	diuron	Diuron 800 SC (L6236)	SC	L6236	Arysta LifeScience South Africa (Pty) Ltd	800 g/L	2 L/ha	Ground	Weeds: Pre-emergence Apply onto clean cultivated moist soil during the growing season. Repeat application after 2 to 3 months, if required.
Broadleaf weeds, Grass weeds	HRAC C6	diuron	Diuron 800 SC (L7042)	SC	L7042	Arysta LifeScience South Africa (Pty) Ltd	800 g/L	2 L/ha	Ground application	Weeds: Pre-emergence Apply onto clean cultivated moist soil during the growing season. Repeat application after 2 to 3 months.
Broadleaf weeds, Grass weeds	HRAC C7	diuron	Diuron 800 WG	WG	L7040	Arysta LifeScience South Africa (Pty) Ltd	800 g/kg	2 kg/ha	Ground	Weeds: Pre-emergence
Broadleaf weeds, Grass weeds	HRAC C9	diuron	Dynamo 800 SC	SC	L9619	Sharda International (Pty) Ltd	800 g/L	See label	Spray	Weeds: Post-emergence; Weeds: Pre-emergence
Broadleaf weeds, Grass weeds	HRAC C3	diuron	FarmAg Diuron 800 SC	SC	L5663	FarmAg International (Pty) Ltd	800 g/L	2 L/ha	Ground application	Crop: Post-emergence; Weeds: Pre-emergence
Broadleaf weeds, Grass weeds	HRAC C4	diuron	FarmAg Diuron 800 WG	WG	L8981	FarmAg International (Pty) Ltd	800 g/L	See label	Ground; spot sprays	
Broadleaf weeds, Grass weeds	HRAC C2	diuron	Karmex DF (L7998)	WG	L7998	Arysta LifeScience South Africa (Pty) Ltd	800 g/kg	2 kg/ha	Ground	Weeds: Pre-emergence
Broadleaf weeds, Grass weeds	HRAC A	fluazifop-P-butyl	Fusilade Forte	EC	L7304	Syngenta South Africa (Pty) Ltd	150 g/L	0.83-1.67 L/ha	Aerial application; Ground application	Weeds: Post-emergence + Diuron 800 SC.
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Enviro Glyphosate 360	SL	L4767	Enviro Industries (Pty) Ltd	360 g/L	200-300 ml/20 L; 2-3 L/ha	Knapsack application; Boom sprayer; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 360 g/L. Glyphosate isopropylamine salt: 480 g/L. Do not enter treated area, until spray deposit has dried unless wearing protective clothing.
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Erase 360 SL	SL	L6206	Nulandis	360 g/L	2-3 L/ha; 200-300 ml/20 L water	Boom sprayer; Knapsack application	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate isopropylamine salt: 480 g/L. Apply in early flowering stage. Use higher rate after flowering on <i>Cyniza</i> and <i>Commelina</i> spp. Prevent spray and spray drift contact with leaves, green stems and fruit.

HERBICIDES

Target	Group code	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	Application type	Notes
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Glyphosate WSG	SG	L7119	Arysta LifeScience South Africa (Pty) Ltd	500 g/kg	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate sodium salt: 588 g/kg. Apply before bud burst to vines older than 2 years. Younger vines with green bark should be shielded. Spray should be directed onto weeds. Do not spray onto pruned vines or fruit.
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Kalach 700 WSG	SG	L8312	Arysta LifeScience South Africa (Pty) Ltd	700 g/kg	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 700 g/kg. Glyphosate sodium salt: 934 g/kg.
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Nexus Glyphosate 360	SL	L7113	Arysta LifeScience South Africa (Pty) Ltd	360 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Protect young trees with green bark from direct spray.
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Panga High- Load 600 SL	SL	L9735	Villa Crop Protection (Pty) Ltd	600 g/L	See label	Spray	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 600 g/L. Glyphosate potassium salt 739 g/L. Prevent droplet contact with leaves, green or young bark, and fruits. Shield stems of plants with green bark (mostly younger than 2 years) against contact
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Piranha 510 SL	SG	L9314	FarmAg International (Pty) Ltd	680 g/kg	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Protect young trees with green bark from direct spray.
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Piranha Dry	SG	L9593	FarmAg International (Pty) Ltd	757 g/kg	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Protect young trees with green bark from direct spray.
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Pirhana 360 SL	SL	L8877	FarmAg International (Pty) Ltd	360 g/L	See label	Aerial; Ground	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 360 g/L. Glyphosate isopropylamine salt: 480 g/L.
Broadleaf weeds, Grass weeds	HRAC D	glyphosate	Scorcher	SL	L9085	Meridian Agrochemical Company (Pty) Ltd	200 g/L	1.25-5 L/ha	Ground; Knapsack	Crop: Post-emergence; Weeds: Post-emergence. As dichloride salt: 276 g/L. Add suitable registered adjuvant such as Sanawett 90 or Wet all. Apply in 200-750 ? water/ha using a low pressure floodjet nozzle.
Broadleaf weeds, Grass weeds	HRAC G	glyphosate	Seismic	SL	L7016	Arysta LifeScience South Africa (Pty) Ltd	480 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate (isopropylamine salt): 600 g/L. Protect young trees with green bark from direct spray.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Agriquat 200 SL	SC	L6297	Nulandis	200 g/L	1.25-5 L/ha	Foliar application	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion (bipyridyl): 200 g/L. Paraquat dichloride salt: 274 g/L. Apply through a low pressure flood jet nozzle.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Agroquat	WS	L4607	Arysta LifeScience South Africa (Pty) Ltd	200 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion: 200 g/L. As dichloride salt: 276 g/L.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Agroquat 200 SL	SL	L4871	Nulandis	200 g/L	1.25-5 L/ha	Foliar application	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion (bipyridyl): 200 g/L. Paraquat dichloride salt: 274 g/L. Apply through a low pressure flood jet nozzle.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	AVI-Paraquat	SL	L4461	Avima (Pty) Ltd	200 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion: 200 g/L. Paraquat dichloride salt: 279 g/L.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Castle Paraquat 200	SL	L4167	FarmAg International (Pty) Ltd	276 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion: 200 g/L. Paraquat dichloride salt: 276 g/L. Add a wetting agent.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Gramoxone	SL	L1174	Syngenta South Africa (Pty) Ltd	200 g/L	1.25-5 L/ha	Ground; Knapsack	As dichloride salt: 276 g/L. Add either AGRAL 90 (L5279) at 50 ml/100 L (2.5 ml/5 L water) spray mixture or Complement Super at 100 ml/ha.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Harpoon 200 SL	SL	L9309	FarmAg International (Pty) Ltd	200 g/L	See label	Ground	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion: 200 g/L. Paraquat as dichloride: 276 g/L.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Makhro Paraquat	SL	L7906	Makhro-Agro SA (Pty) Ltd	200 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence; Weeds: Post-emergence Paraquat dichloride salt Do not spray buds or green parts of any crop.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Nexus Paraquat SL	SL	L8085	Arysta LifeScience South Africa (Pty) Ltd	200 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion (bipyridyl): 200 g/L. As dichloride salt: 276 g/L.

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Target	Group code	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	Application type	Notes
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Paragone SL	SL	L4588	Nulandis	200 g/L	1.25-5 L/ha	Foliar application	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion: 200 g/L. Paraquat dichloride salt: 276 g/L. Apply when necessary. Add BLADBUFF 7 (L8121) or BLADBUFF 12 (L8201) to the spray water is recommended prior to mixing the PARAGONE to improve water quality.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Paraquat 200	WS	L7650	Enviro Industries (Pty) Ltd	200 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion: 200 g/L. Paraquat dichloride salt: 276 g/L. Direct spray onto the weeds below trees.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Paraquat SL	SL	L2215	Arysta LifeScience South Africa (Pty) Ltd	200 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence Paraquat ion: 200 g/L. Paraquat as dichloride: 276 g/L.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Remquat 200 SL	SL	L10004	Remitto	200 g/L	1.25-5 L/ha	Foliar application	Paraquat ion (bipyridyl): 200 g/L. Paraquat dichloride salt: 274 g/L. Can be mixed with a suitable residual weed killer.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Sharda Paraquat 200 SL	SL	L9432	Sharda International (Pty) Ltd	200 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence; Weeds: Post-emergence. Apply as necessary when weed seedlings emerge. Apply in 200-400 L/ha using a low pressure.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Shinquat 200 SL	SL	L7864	Rolfes Agri	200 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion: 200 g/L. Paraquat dichloride salt: 276 g/L. Apply as a low pressure spray. Add 60 ml Aqua-Wet/100 L spray mixture.
Broadleaf weeds, Grass weeds	HRAC D	paraquat	Skoffel 145 SL	SL	L4347	Villa Crop Protection (Pty) Ltd	145 g/L	1.25-5 L/ha	Ground	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion: 145 g/L. Paraquat dichloride salt: 200 g/L. Do not spray buds or green parts of crop. Add Exit (L8055), SORTIE (L8058) or Villa 51 (L8050).
Broadleaf weeds, Grass weeds	HRAC K1	trifluralin	Makhrotref 480 EC	EC	L8095	Makhro-Agro SA (Pty) Ltd	480 g/L	8 L/ha	Overall application	Crop: Pre-emergence; Weeds: Pre-emergence Overall application before the establishment of nurseries and orchards.
Broadleaf weeds, Grass weeds	HRAC K1	trifluralin	Rifle 480 EC	EC	L8137	Villa Crop Protection (Pty) Ltd	480 g/L	8 L/ha	Overall application	Weeds: Pre-emergence
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Bounty 500 WSG	SG	L6698	Meridian Agrochemical Company (Pty) Ltd	500 g/kg	0.75-2.2 kg/ha	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate sodium salt: 588 g/kg. Use only as a directed spray in orchards older than 2 years or near interplants less than 2 years provided the green bark and foliage is protected from the spray or drift.
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Bounty SL	SL	L7268	Meridian Agrochemical Company (Pty) Ltd	360 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Use only as a directed spray in orchards older than 2 years or near interplants less than 2 years provided the green bark and foliage is protected from the spray or drift. Do not permit spray or drift to contact
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Glygran 710 SG	SG	L8449	Villa Crop Protection (Pty) Ltd	710 g/kg	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate ammonium salt: 780 g/L. Prevent droplet contact with leaves, green or young bark, and fruits. Shield stems of plants with green bark (mostly younger than 2 years) against contact with spray droplets.
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Glyphogan 360 SL	SL	L5393	Adama South Africa (Pty) Ltd	360 g/L	1-3 L/ha	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate isopropylamine salt: 480 g/L. Do not permit spray or drift to contact leaves, green bark or fruit. Allow 10 days between pruning and application to prevent uptake from wounds.
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Kalach 510 SL	SL	L8311	Arysta LifeScience South Africa (Pty) Ltd	510 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Isopropylamine salt: 680 g/L.
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Makhro Glyphosate 360 SL	SL	L7969	Makhro-Agro SA (Pty) Ltd	360 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 365 g/L. Glyphosate isopropylamine salt: 480 g/L.
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Panga 360 SL	SL	L7812	Villa Crop Protection (Pty) Ltd	360 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate isopropylamine salt: 480 g/L. Prevent droplet contact with leaves, green or young bark, and fruits. Shield stems of plants with green bark (mostly younger than 2 years) against contact with spray dro

HERBICIDES

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Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Panga Turbo 450 SL	SL	L8506	Villa Crop Protection (Pty) Ltd	450 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate potassium salt: 555 g/L. Prevent droplet contact with leaves, green or young bark, and fruits. Shield stems of plants with green bark (mostly younger than 2 years) against contact with spray droplets
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Rondo 757 SG	SG	L9490	DVA Chemicals South Africa (Pty) Ltd	757 g/kg	See label	Aerial; Ground	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 687 g a.e./kg. Glyphosate ammonium salt: 757 g/kg. Protect young trees with green bark from direct spray.
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Roundup	SL	L0407	Monsanto South Africa (Pty) Ltd	360 g/L	See label	Aerial; Ground	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate potassium salt 441 g/L. Do not permit spray or drift to contact leaves, green bark or fruit. Allow 10 days between pruning and application to prevent uptake from wounds. Use only as a directed spray
Broadleaf weeds, Grass weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Sharda Glyphosate 360 SL	SL	L8901	Sharda International (Pty) Ltd	360 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Isopropylamine salt: 480 g/L.
Broadleaf weeds, Grass weeds, Sedges	HRAC C2	diuron	Develop 800 WDG	WG	L9109	Villa Crop Protection (Pty) Ltd	800 g/kg	2 kg/ha	Ground	Crop: Post-emergence; Weeds: Pre-emergence
Broadleaf weeds, Grass weeds, Sedges	HRAC C2	diuron	Extend 800 WDG	WG	L9108	Villa Crop Protection (Pty) Ltd	800 g/kg	2 kg/ha	Ground	Weeds: Pre-emergence
Broadleaf weeds, Grass weeds, Sedges	HRAC H	glufosinate-ammonium	Basta	SL	L4872	BASF (Pty) Ltd	200 g/L	See label	Ground; spot sprays	Weeds: Post-emergence. Commence spraying during late spring when soil moisture is sufficient and weeds are actively growing. Repeat 7-8 weeks later if necessary.
Broadleaf weeds, Grass weeds, Sedges	HRAC H	glufosinate-ammonium	Glufos 200 SL	SL	L9715	Sharda International (Pty) Ltd	200 g/L	See label	Ground	Weeds: Post-emergence. Spray when there is sufficient soil moisture and weeds are actively growing. Can repeat application 7-8 weeks later.
Broadleaf weeds, Grass weeds, Sedges	HRAC H	glufosinate-ammonium	Knersus 200 SL	SL	L10631	Nulandis	200 g/L	See label	Ground	Weeds: Post-emergence. Commence spraying during late spring when soil moisture is sufficient and weeds are actively growing. Repeat spray 7 - 8 weeks later if necessary.
Broadleaf weeds, Grass weeds, Sedges	HRAC H	glufosinate-ammonium	Nirvana	SL	L9838	Meridian Agrochemical Company (Pty) Ltd	200 g/L	See label	Ground; spot sprays	Weeds: Post-emergence. Start spraying during late spring when the soil moisture is sufficient and the weeds are actively growing. Repeat the spray 7-8 weeks later if needed.
Broadleaf weeds, Grass weeds, Sedges	HRAC H	glufosinate-ammonium	Silent	SL	L9545	Wentek Chemicals (Pty) Ltd	200 g/L	See label	Ground	Weeds: Post-emergence. Commence spraying during late spring when soil moisture is sufficient and weeds are actively growing. Repeat spray 7-8 weeks later if necessary.
Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Mamba 360 SL	SL	L4817	Dow AgroSciences Southern Africa (Pty) Ltd	360 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate isopropylamine salt: 480 g/L. Only use in orchards older than 3 years and then only as a directed spray. Add ammonium sulphate as recommended on label.
Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Mamba DMA 480 SL	SL	L8388	Dow AgroSciences Southern Africa (Pty) Ltd	480 g/L	0.75-7 L/ha	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Only use in orchards older than 3 years and then only as a directed spray.
Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Mamba Max 480 SL	SL	L7714	Dow AgroSciences Southern Africa (Pty) Ltd	480 g/L	0.75-7 L/ha	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Isopropylamine salt: 648 g/L. Only use in orchards older than 3 years and then only as a directed spray.
Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Muscle-Up 360 SL	SL	L7935	Rolfes Agri	360 g/L	Annual weeds: 1-3 L/ha; Perennial weeds: See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate (isopropylamine salt). Do not permit spray or drift to contact leaves, green bark or fruit. Allow 10 days between pruning and application to prevent uptake from wounds. Use only as a directed spray i

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Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Roundup Max	SG	L6790	Monsanto South Africa (Pty) Ltd	680 g/kg	See label	Aerial; Ground	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 680 g ae/kg. Ammonium salt of glyphosate: 785 g/kg Prevent spray/ spray mist contact with leaves, green and young bark of stems as well as fruits of crops. Trees with green bark (normally younger than
Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Roundup Turbo	WS	L7166	Monsanto South Africa (Pty) Ltd	450 g/L	See label	Aerial; Ground	Crop: Post-emergence; Weeds: Post-emergence. Potassium salt of glyphosate: 551 g/L. Prevent spray/ spray mist contact with leaves, green and young bark of stems as well as fruits of crops. Trees with green bark (normally younger than two years) - shield s
Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Scat 360 SL	SL	L5716	Villa Crop Protection (Pty) Ltd	360 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 360 g ae/L. Glyphosate isopropylamine salt: 480 g/L.
Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Silvimax	SL	L9851	FarmAg International (Pty) Ltd	686 g/kg	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate ammonium salt: 757 g/kg. Protect young trees with green bark from direct spray.
Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Silvinator	SL	L9850	FarmAg International (Pty) Ltd	510 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. As isopropylamine salt: 680 g/L. Protect young trees with green bark from direct spray.
Broadleaf weeds, Grass weeds, Sedges	HRAC G	glyphosate	Slash 360 SL	SL	L7811	Villa Crop Protection (Pty) Ltd	360 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 360 g ae/L. Glyphosate isopropylamine salt: 480 g/L. Prevent droplet contact with leaves, green or young bark, and fruits. Shield stems of plants with green bark (mostly younger than 2 years) against
Broadleaf weeds, Grass weeds, Sedges	HRAC D	paraquat	Skoffel 200 Super	SL	L6328	Villa Crop Protection (Pty) Ltd	200 g/L	1.25-5 L/ha	Boom sprayer; Knapsack application; Tractor application	Crop: Post-emergence; Weeds: Post-emergence Paraquat ion: 200 g/L. Paraquat dichloride salt: 274 g/L. Do not spray buds or green parts of crop.
Broadleaf weeds, Grass weeds, Yellow nutsedge	HRAC CS	diuron	Farmex	WG	L8749	Arysta LifeScience South Africa (Pty) Ltd	800 g/kg	2 kg/ha	Soil application	Weeds: Pre-emergence
Broadleaf weeds, Noxious weeds	HRAC G	glyphosate	Springbok 360 SL	SL	L6719	Arysta LifeScience South Africa (Pty) Ltd	360 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate isopropylamine salt: 480 g/L.
Broadleaf weeds, Noxious weeds	HRAC K1	trifluralin	Trifluralin 480 EC	EC	L4555	Villa Crop Protection (Pty) Ltd	480 g/L	8 L/ha	Overall application	Crop: Pre-emergence; Weeds: Pre-emergence
Broadleaf weeds, Noxious weeds	HRAC K1	trifluralin	Triflurex 480 EC	EC	L5350	Adama South Africa (Pty) Ltd	480 g/L	8 L/ha	Overall application	Crop: Pre-emergence; Weeds: Pre-emergence Overall application before the establishment of nurseries and orchards.
Broadleaf weeds, Noxious weeds, Sedges	HRAC G	glyphosate	Slash 710 SG	SG	L8450	Villa Crop Protection (Pty) Ltd	710 g/kg	See label	Ground	Weeds: Post-emergence. Protect young trees with green bark from direct spray. Direct spray onto weeds. Do not spray onto pruned trees until wounds have sealed properly.
Broadleaf weeds, Noxious weeds, Sedges, Grass weeds	HRAC G	glyphosate	Slash Turbo 450 SL	SL	L8505	Villa Crop Protection (Pty) Ltd	450 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate: 450 g ae/L. Glyphosate potassium salt: 555 g/L Prevent droplet contact with leaves, green or young bark, and fruits. Shield stems of plants with green bark (mostly younger than 2 years) against cont
Broadleaf weeds, Noxious weeds, Sedges, Grass weeds	HRAC G	glyphosate	Touchdown Forte HiTech	SL	L7305	Syngenta South Africa (Pty) Ltd	500 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Acid equivalent (potassium salt). Protect young trees with green bark from direct spray. Aerial spray only on invasive plant species.
Broadleaf weeds, Noxious weeds, Sedges, Grass weeds	HRAC G	glyphosate	TumbleWeed	SL	L4781	Enviro Industries (Pty) Ltd	240 g/L	See label	Ground; Aerial	Crop: Post-emergence; Weeds: Post-emergence. Glyphosate isopropylamine salt: 324 g/L. Use only as a directed spray in orchards older than 3 years or near interplants less than 3 years provided the green bark and foliage is protected from the spray or drift

HERBICIDES

Target	Group code	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	Application type	Notes
Grass weeds	HRAC A	cycloxydim	Focus Ultra	EC	L4319	BASF South Africa (Pty) Ltd	100 g/L	0.8-4 L/ha	Aerial application; Ground application	Weeds: Post-emergence

List amendments & New Registrations in red text

Formulation notes: WS - Water soluble solution, EC - Emulsifiable concentrate, WG - Water-dispersible granule, EW - Oil-in-water emulsion, SG - Water soluble granule, SL - Soluble concentrate.

Group code: Herbicide Resistance Action Committee code - indicates the chemical action grouping.