

Registered product list for use against specific targets

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.

FUNGICIDES											Updated: Winter 2019
Target	Group code	Active ingredient	Trade name	Form.	Reg. no.	Company	Active quantity	Dosage	Application type	PHI	Notes
Alternaria	FRAC 9	cyprodinil	Chorus	WG	L5383	Syngenta South Africa (Pty) Ltd	500 g/kg	380-500 g/ha	Aerial; Foliar	7	Do the first application during early bloom, repeat every 14 days if conditions remain favourable for disease development. Ensure good coverage. No more than 2 aerial applications. Do not exceed 1400 g/ha per season.
	FRAC 9 + FRAC 12	cyprodinil + fludioxonil	Switch	WG	L5926	Syngenta South Africa (Pty) Ltd	375 g/L + 250 g/L	800-950 g/ha	Foliar		Ensure good coverage during early bloom and repeat at 14 day intervals if conditions remain favourable. No more than 2 sequential applications. Maximum 4 applications per season.
	FRAC M5	chlorothalonil	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	Aerial; Foliar	120	Suppression only. Apply at beginning of the flowering period and at full bloom. Do additional applications as required on 14 - 28 days intervals. Maximum 5 applications per season. Do not apply with oils, pesticides, surfactants of fertilizers.
Anthracnose	FRAC 11 + FRAC 3	azoxystrobin + difenoconazole	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	Aerial; Foliar	45	Apply as part of a protectant programme before disease occurs with no more than 2 consecutive sprays 10-14 days apart. Maximum 4 sprays per season. Do not use with an adjuvant. Spray volumes for aerial sprays: 30-40 L water/ha.
	FRAC 7 + FRAC 11	boscalid + pyraclostrobin	Bellis	WG	L7817	BASF South Africa (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	Foliar	14	Apply in a preventative program, commencing at flower tassel emergence, followed with a second application two weeks later. Apply 1200-1500 L water/ha. Maximum 2 sequential and 3 total applications per season.
	FRAC 11	azoxystrobin	Ortiva	SC	L5968	Syngenta South Africa (Pty) Ltd	250 g/L	480-880 ml/ha	Aerial; Foliar	45	Apply prior to disease development. Apply at 7-21 day intervals. No more than 2 sequential applications. Maximum 4 applications per season. An adjuvant may be added at the registered rate. Optimum pH = 5.0-5.5.
Blossom blight	FRAC 11 + FRAC 3	azoxystrobin + difenoconazole	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	Aerial; Foliar	45	Apply as part of a protectant programme before disease occurs with no more than 2 consecutive sprays 10-14 days apart. Maximum 4 sprays per season. Do not use with an adjuvant. Spray volumes for aerial sprays: 30-40 L water/ha.
	FRAC 7 + FRAC 11	boscalid + pyraclostrobin	Bellis	WG	L7817	BASF South Africa (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	Foliar	14	Apply in a preventative program, commencing at flower tassel emergence, followed with a second application two weeks later. Apply 1200-1500 L water/ha. Maximum 2 sequential and 3 total applications per season.
	FRAC M5	chlorothalonil	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	Aerial; Foliar	120	Suppression only. Apply at beginning of the flowering period and at full bloom. Do additional applications as required on 14 - 28 days intervals. Maximum 5 applications per season. Do not apply with oils, pesticides, surfactants of fertilizers.

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Botrytis	FRAC M5	chlorothalonil	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	Aerial; Foliar	120	Suppression only. Apply at beginning of the flowering period and at full bloom. Do additional applications as required on 14 - 28 days intervals. Maximum 5 applications per season. Do not apply with oils, pesticides, surfactants of fertilizers.
	FRAC 9 + FRAC 12	cyprodinil + fludioxonil	Switch	WG	L5926	Syngenta South Africa (Pty) Ltd	375 g/L + 250 g/L	800-950 g/ha	Foliar	7	Ensure good coverage during early bloom and repeat at 14 day intervals if conditions remain favourable. No more than 2 sequential applications. Maximum 4 applications per season.
Brown rot - Monilinia	FRAC M5	chlorothalonil	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	Aerial; Foliar	120	Suppression only. Apply at beginning of the flowering period and at full bloom. Do additional applications as required on 14 - 28 days intervals. Maximum 5 applications per season. Do not apply with oils, pesticides, surfactants of fertilizers.
Downy spot	FRAC 11 + FRAC 3	azoxystrobin + difenoconazole	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	Aerial; Foliar	45	Apply as part of a protectant programme before disease occurs with no more than 2 consecutive sprays 10-14 days apart. Maximum 4 sprays per season. Do not use with an adjuvant. Spray volumes for aerial sprays: 30-40 L water/ha.
Eastern Filbert blight	FRAC M5	chlorothalonil	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	Aerial; Foliar	120	Suppression only. Apply at beginning of the flowering period and at full bloom. Do additional applications as required on 14 - 28 days intervals. Maximum 5 applications per season. Do not apply with oils, pesticides, surfactants of fertilizers.
Botrytis fruit rot	FRAC 9	cyprodinil	Chorus	WG	L5383	Syngenta South Africa (Pty) Ltd	500 g/kg	380-500 g/ha	Aerial; Foliar	7	Do the first application during early bloom, repeat every 14 days if conditions remain favourable for disease development. Ensure good coverage. No more than 2 aerial applications. Do not exceed 1400 g/ha per season.
Fungi	-	organic plant acids	Kannar Kanguard 940	SL	L7421	Kannar Earth Science (Pty) Ltd	19 g/L	300-450 ml/100 L water	Foliar	2	Full cover application. Add an adjuvant. Repeat every 5 days. Optimum pH = 5.5-6.5.
Husk rot	FRAC 7 + FRAC 11	boscalid + pyraclostrobin	Bellis	WG	L7817	BASF South Africa (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	Foliar	14	Apply in a preventative program, commencing at flower tassel emergence, followed with a second application two weeks later. Apply 1200-1500 L water/ha. Maximum 2 sequential and 3 total applications per season.
Husk spot	FRAC 7 + FRAC 11	boscalid + pyraclostrobin	Bellis	WG	L7817	BASF South Africa (Pty) Ltd	252 g/kg + 128 g/kg	800 g/ha	Foliar	14	Apply in a preventative program, commencing at flower tassel emergence, followed with a second application two weeks later. Apply 1200-1500 L water/ha. Maximum 2 sequential and 3 total applications per season.
	FRAC 3	difenoconazole	Score	EC	L5132	Syngenta South Africa (Pty) Ltd	250 g/L	50 ml/100 L water	Ground	45	Apply at nut set with an adjuvant. Maximum 2 applications per season.
Late blight	FRAC 11 + FRAC 3	azoxystrobin + difenoconazole	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	Aerial; Foliar	45	Apply as part of a protectant programme before disease occurs with no more than 2 consecutive sprays 10-14 days apart. Maximum 4 sprays per season. Do not use with an adjuvant. Spray volumes for aerial sprays: 30-40 L water/ha.

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Leaf spot	FRAC 11 + FRAC 3	azoxystrobin + difenoconazole	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	Aerial; Foliar	45	Apply as part of a protectant programme before disease occurs with no more than 2 consecutive sprays 10-14 days apart. Maximum 4 sprays per season. Do not use with an adjuvant. Spray volumes for aerial sprays: 30-40 L water/ha.
Panicle and shoot blight	FRAC 11 + FRAC 3	azoxystrobin + difenoconazole	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	Aerial; Foliar	45	Apply as part of a protectant programme before disease occurs with no more than 2 consecutive sprays 10-14 days apart. Maximum 4 sprays per season. Do not use with an adjuvant. Spray volumes for aerial sprays: 30-40 L water/ha.
Powdery mildew	FRAC 11 + FRAC 3	azoxystrobin + difenoconazole	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	Aerial; Foliar	45	Apply as part of a protectant programme before disease occurs with no more than 2 consecutive sprays 10-14 days apart. Maximum 4 sprays per season. Do not use with an adjuvant. Spray volumes for aerial sprays: 30-40 L water/ha.
Rust - Leaf rust	FRAC 11 + FRAC 3	azoxystrobin + difenoconazole	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha	Aerial; Foliar	45	Apply as part of a protectant programme before disease occurs with no more than 2 consecutive sprays 10-14 days apart. Maximum 4 sprays per season. Do not use with an adjuvant. Spray volumes for aerial sprays: 30-40 L water/ha.
Stone fruit rust	FRAC M5	chlorothalonil	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	Aerial; Foliar	120	Apply at beginning of the flowering period and at full bloom. Do additional applications as required on 14 - 28 days intervals. Maximum 5 applications per season. Do not apply with oils, pesticides, surfactants of fertilizers.
Scab	FRAC 30	fentin hydroxide	Ag-Tin	SC	L9493	Rolfes Agri (Previously known as Ag-Chem Africa)	480 g/L	50 ml/100 L water	Foliar	*	Active is banned in Europe. Only for local use. *Do not spray after the shucks have opened. Do the first application at green tip stage (early October). Repeat 4 times with 3 week intervals, with the second of these 4 applications being applied at the first browning of tips of small nuts.
	FRAC M5	chlorothalonil	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	Aerial; Foliar	120	Suppression only. Apply at beginning of the flowering period and at full bloom. Do additional applications as required on 14 - 28 days intervals. Maximum 5 applications per season. Do not apply with oils, pesticides, surfactants of fertilizers.
	FRAC 3	propiconazole	Bumper 250 EC	EC	L6034	Adama South Africa (Pty) Ltd	250 g/L	50 ml/100 L water	Foliar	90	Apply 1000-2000 L spray mixture/ha. Refer to the label for detailed instructions. Spray intervals: when leaves unfold; 10-; 21- (+ contact fungicide); 28- (+ contact fungicide); 28 (+ contact fungicide) days later depending on conditions.
	FRAC 11	azoxystrobin	Ortiva	SC	L5968	Syngenta South Africa (Pty) Ltd	250 g/L	480-880 ml/ha	Aerial; Foliar	45	Apply prior to disease development. Apply at 7-21 day intervals. No more than 2 sequential applications. Maximum 4 applications per season. An adjuvant may be added at the registered rate. Optimum pH = 5.0-5.5.
	FRAC 3	propiconazole	Makhroazole 250 EC	EC	L7974	Makhro-Agro SA (Pty) Ltd	250 g/L	50 ml/100 L water	Foliar	90	Apply 1000-2000 L spray mixture/ha. Refer to the label for detailed instructions. Spray intervals: when leaves unfold; 10-; 21- (+ contact fungicide); 28- (+ contact fungicide); 28 (+ contact fungicide) days later depending on conditions.
FRAC 3	propiconazole	Propiconazole 250EC	EC	L7306	Villa Crop Protection (Pty) Ltd	250 g/L	50 ml/100 L water	Foliar	90	Apply 1000-2000 L spray mixture/ha. Refer to the label for detailed instructions. Spray intervals: when leaves unfold; 10-; 21- (+ contact fungicide); 28- (+ contact fungicide); 28 (+ contact fungicide) days later depending on conditions.	

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Scab	FRAC 3	propiconazole	Propizole 250 EC	EC	L7561	Villa Crop Protection (Pty) Ltd	250 g/L	50 ml/100 L water	Foliar	90	Apply 1000-2000 L spray mixture/ha. Refer to the label for detailed instructions. Spray intervals: when leaves unfold; 10-; 21- (+ contact fungicide); 28- (+ contact fungicide); 28 (+ contact fungicide) days later depending on conditions.
	FRAC 3	propiconazole	Tilt	EC	L6668	Syngenta South Africa (Pty) Ltd	250 g/L	50 ml/100 L water	Foliar	90	Apply 1000-2000 L spray mixture/ha. Refer to the label for detailed instructions. Spray intervals: when leaves unfold; 10-; 21- (+ contact fungicide); 28- (+ contact fungicide); 28 (+ contact fungicide) days later depending on conditions.
	FRAC 11 + FRAC 3	azoxystrobin + difenoconazole	Amistar Top	SC	L7897	Syngenta South Africa (Pty) Ltd	200 g/L + 125 g/L	500-1000 ml/ha		45	Apply as part of a protectant programme before disease occurs with no more than 2 consecutive sprays 10-14 days apart. Maximum 4 sprays per season. Do not use with an adjuvant. Spray volumes for aerial sprays: 30-40 L water/ha.
	FRAC 3	propiconazole	Propizole 250 EC	EC	L7561	Villa Crop Protection	250 g/l	50 ml / 100 l water	Aerial; Foliar	90	Apply five (5) applications.
	FRAC 3	propiconazole	Principle 250 EC	EC	L10533	ICA International Chemicals	250 g/l	50 ml / 100 l water			Apply the first application when the leaves unfold and the second application 10 days later. Follow instructions on the label. The application with a suitable registered contact fungicide from a different FRAC group with the 3 rd , 4 th and 5 th application, will be beneficial for disease control.
	FRAC 3	propiconazole	Propiconazole 250	EC	L7306	Universal Crop Protection (Pty) Ltd.	250 g/l	50 ml / 100 l water			
Septoria leaf spot	FRAC M5	chlorothalonil	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	Aerial; Foliar	120	Suppression only. Apply at beginning of the flowering period and at full bloom. Do additional applications as required on 14 - 28 days intervals. Maximum 5 applications per season. Do not apply with oils, pesticides, surfactants of fertilizers.
Shot-hole	FRAC M5	chlorothalonil	Bravo 720	SC	L7005	Syngenta South Africa (Pty) Ltd	720 g/L	3.5 L/ha	Aerial; Foliar	120	Suppression only. Apply at beginning of the flowering period and at full bloom. Do additional applications as required on 14 - 28 days intervals. Maximum 5 applications per season. Do not apply with oils, pesticides, surfactants of fertilizers.
(Fusicladium effusum)	FRAC M5	furfural (aldehyde)	Protect	EC	L7534	Illovo Sugar Ltd	990 g/L	400-600 L/ha	Drip; Broad spray; Seedbed	-	The third application to be applied 21 days after the second and the fourth application 28 days later.

Formulation notes: EC - Emulsifiable concentrate, WG - Water-dispersible granule, SC - Suspension concentrate, SL - Soluble concentrate