



PANNAR®
Quality Seeds

GROWER'S GUIDE
ZIMBABWE

GLOBAL TECHNOLOGY



LOCAL PERFORMANCE



CORE WHITE HYBRID PACKAGE - ZIMBABWE

Hybrid	Area Adaptability and Characteristics
Growth class: Early	
PAN 6227	An early hybrid with high yield potential, yet extremely quick dry down. Ideal for double cropping and late plantings. Low cob placement results in excellent standability. This hybrid should be planted at 20% higher plant population for best results. Proven leaf disease package.
Growth Class: Medium/Early	
PAN 6777	This should be the core of your dryland package, chosen by many because of its reliability and high yield potential. This product's outstanding attributes are its grain quality (resistance to cob rots), leaf disease package and standability.
PAN 61	Excellent under irrigation and dryland. Must be planted with a pollinator, PAN 6777. This product has been a top performer over a number of seasons.
PAN 6M-55 	This new hybrid is the worthy stable mate of PAN 6777. With a quick dry down, Sulphonyl Urea tolerance and improved leaf disease package, this prolific hybrid will prove to be a top performer in its class.
Growth Class: Medium	
PAN 53	This medium maturity hybrid shows excellent ability to tolerate drought and less than ideal circumstances. An excellent medium potential hybrid well suited to dryland conditions. It produces flint type grain with a high bushel weight. Sulphonyl urea tolerance makes it ideal for those problematic lands.
PAN 7M-81 	This new hybrid is a top yielder in the medium class, coupled with sound leaf disease resistance. This multi-cobber is suited to irrigation, exhibits good standability as well as Sulphonyl urea tolerance. A perfect choice for double cropping.
Growth Class: Late	
PAN 8M-91	PAN 8M-91 is a full season, very high potential cultivar which we recommend in your package. It is especially suited to early planting under irrigation. It has an excellent leaf disease package and is extremely uniform. Grain quality is excellent.
PAN 8M-93 	This full season single cobber is a high yielding, adaptable hybrid, portraying all the favourable traits of leaf disease resistance, standability and Sulphonyl urea resistance. Well suited to irrigation.
Growth Class: Yellow	
PAN 14	A medium maturity yellow hybrid well adapted to Zambia due to its outstanding leaf disease package. It has good standability, high yield potential and excellent agronomic characteristics.
PAN 12 	High yielding, medium maturity, widely adapted yellow hybrid. Excellent leaf disease package. Deep yellow, flinty grain. No Sulphonyl Urea tolerance.

COMMERCIAL VARIETIES - ZIMBABWE

Spring Wheat	PAN 3402	PAN 3402 is a hard red bread wheat variety suited for cultivation under irrigation. The variety has been tested in Zambia since 2007 by Pannar. Results from these trials showed that PAN 3402 is competitive in yield with an excellent hectolitre mass.
Soya Bean	PAN 1867	Well adapted, the variety stands very well despite being taller than average. The pod height suitable for combine harvesting, and not prone to shattering. Tested extensively in Zambia, Zimbabwe and South Africa.
Red Speckled Bean	PAN 148	A proven performer, this is the most popular of PANNAR'S dry bean package. Well adapted, indeterminate flowering habit. Sound disease resistance.
Hybrid Sunflower	PAN 7057	This hybrid is synonymous with high yield potential, excellent stability over seasons and wide area adaptability.

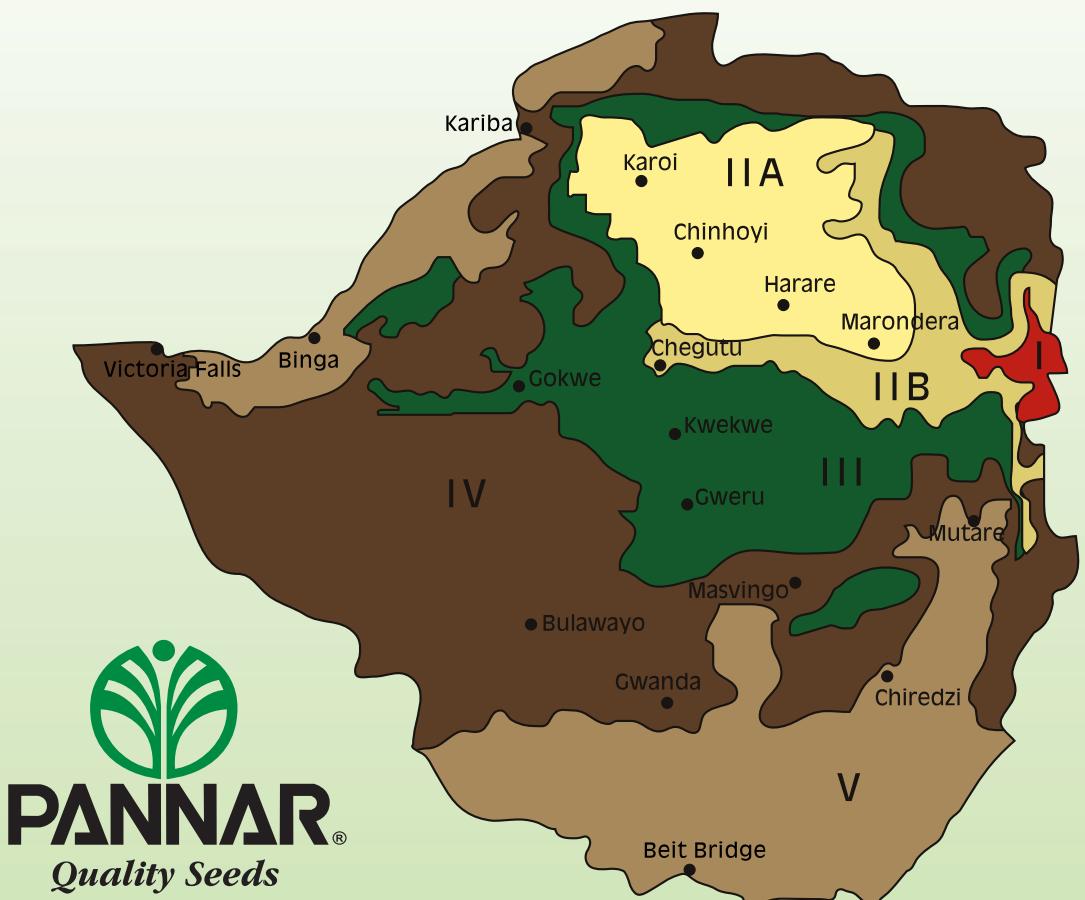


GLOBAL RESEARCH. LOCAL PERFORMANCE.

Pannar Seed has been the trusted and preferred partner for farmers in Africa for over 50 years. We know that farming on this continent is no easy task and that's why we constantly invest in the latest research and development technologies and conduct extensive breeding and evaluation programmes throughout Africa: to ensure that the seed you plant is of the highest standard and quality and has been bred to perform under your specific agro-ecological conditions.

Years of trialing and testing goes behind every Pannar variety that is released on the market so that you can plant with confidence, knowing that your crop will yield the best results attainable under your farm's unique growing environment. This Growers' Guide is intended to help you make an informed decision as to which products are best suited to your area. Pannar is committed to offering our farmers the best products and services possible. Plant with confidence. Plant with Pannar.

Region	Hybrid Sunflower	Spring Wheat	Soya Bean	Red Speckled Sugar Bean
	PAN 7057	PAN 3402	PAN 1867	PAN 148
Dry Lowland	★★★	★	★★	★★
Wet Lowland	★	★★	★★★	★★
Wet Lower Mid-altitude	★★	★★	★★★	★★★
Wet Upper Mid-altitude	★★	★★	★★★	★★★
Irrigation	★★	★★★	★★★	★★★



Region	Recommended Hybrids
I	PAN 6227, PAN 6777, PAN 61, PAN 6M-55, PAN 53, PAN 7M-81, PAN 8M-91, PAN 8M-93, PAN 14, PAN 12
II A & B	PAN 6227, PAN 6777, PAN 61, PAN 6M-55, PAN 53, PAN 7M-81, PAN 8M-91, PAN 8M-93, PAN 14, PAN 12
III	PAN 6227, PAN 6777, PAN 61, PAN 6M-55, PAN 53, PAN 7M-81, PAN 8M-91, PAN 8M-93, PAN 12
IV	PAN 6227, PAN 53, PAN 12
V	PAN 6227, PAN 53, PAN 12



COMMERCIAL HYBRID MAIZE VARIETIES FOR ZIMBABWE

		PAN 6227	PAN 6777	PAN 61	PAN 6M-55 (NEW)	PAN 53	PAN 7M-81 (NEW)	PAN 8M-91	PAN 8M-93 (NEW)	PAN 14	PAN 12 (NEW)
GENERAL CHARACTERISTICS		Early	Medium / Early		Medium		Late		Yellow		
Relative Number of Days to 50% Silk	Warmer area	67	74	74	74	74	76	78	77	72	74
	Cooler area	72	77	77	77	77	79	81	80	76	77
Relative Number of Days to Maturity	Warmer area	115	123	125	125	125	128	130	130	120	125
	Cooler area	135	135	140	140	140	142	150	150	138	140
Yield Potential		2	2	1	1	2	1	1	1	1	1
Drought Tolerance		3	2	5	2	2	3	3	3	3	3
Irrigation		2	2	1	1	3	1	1	1	1	1
Standability		1	3	2	2	2	1	3	2	3	2
Prolificacy (multicobbing)		2	2	2	2	4	1	5	5	5	3
Drying Rate		1	3	3	3	3	4	5	5	5	4
Ear Rot tolerance		3	2	1	2	2	2	2	2	2	2
Rust Tolerance		4	3	3	3	3	2	3	2	3	3
Leaf Blight Tolerance		4	3	3	2	2	2	3	2	3	2
Grey Leaf Spot Tolerance		2	4	3	2	2	2	1	2	4	2
Sulphonyl Urea (Nishen) Tolerance		no	no	no	yes	yes	yes	yes	yes	yes	no

Rating Scale: 1 = Excellent/Quick, 9 = Poor/Slow

COMPLETE CROP AND SEED PROTECTION



The trademark Panacea™ represents PANNAR's complete plant health initiative. It includes the advice and products that add value to the seed.

In its extensive research programme, PANNAR recognised that certain high potential maize hybrids are more susceptible to disease. The response of all PANNAR's hybrids to various fungicides is tested on an annual basis under various environmental conditions.

Although the primary aim of a fungicide spray programme is the control of disease to ensure optimum yield, a further spin off is that the plants usually remain green longer, which is known as delayed maturity. Delayed maturity prolongs plant health which is advantageous for standability and the grain quality of the harvest.

Fungicide spray programmes:

The prescribed fungicide spray programme comprises two fungicide sprays during the growing period. For each spray the producer may select either of the recommended options according to his/her own preference.

Abacus : L8048; 62.5 g/l pyraclostrobin (strobilurine), 62.5 g/l epoxiconazole (triazole) (BASF)

Amistar Top : L7897; 200 g/l azoxystrobin (strobilurin), 125 g/l difenoconazole (triazole) (Syngenta)

Artea : L6820; 80 g/l ciproconazole (triazole), 250 g/l propiconazole (triazole) (Syngenta)

Duett : L5791; 125 g/l epoxiconazole (triazole), 125 g/l carbendazim (benzimidazole) (BASF)

PunchC : L3626; 250 g/l flusilazole (silicone triazole), 125 g/l carbendazim (benzimidazole) (DuPont)

PunchXtra : L4243; 125 g/l flusilazole (silicone triazole), 250 g/l carbendazim (benzimidazole) (DuPont)

Time of Spraying	Option*	Fungicide	Dose/ha
First Spray 5-8 - Leaf stage (ground application by tractor or spray rig)	1	AmistarTop	500 ml/ha
	2	Abacus	1.6 litre/ha
Second Spray 28-30 Days later - (ground or aerial application)	1	Artea	500 ml/ha
	2	PunchXtra + 500 ml BP Crop Oil (Optional)	800-1 000 ml/ha
	3	PunchC+ 500 ml BP Crop Oil (Optional)	500 ml/ha
	4	Duett	1-1.2 litre/ha

* Choose one option for each spray



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