

Hybrid Maize

Common Traits		NEW	NEW	NEW							NEW
		IMP 51-22	IMP 50-90BR	IMP 51-92	NK Arma	SC 602	QS 7608	Panthera	SC 709	SC 701	IMP 52-11
Relative days to 50% flowering	Warmer Areas	65	62	62	67	68	68	68	71	72	66
	Temperate Areas	77	74	73	70	69	86	75	78	78	78
Relative days to physiological maturity	Warmer Areas	126	155	120	120	148	136	142	148	150	120
	Temperate Areas	146	138	142	138	170	158	161	173	150	148
Yield potential and Stability											
Area 1 - OFS		3	-	4	7		3	2	7		2
Area 2 - North West		3	-	5	7		3	2	7		2
Area 3 - Eastern Highveld		2	4	2	6		3	1	5		2
Area 4 - Eastern OFS		2	5	3	6		4	1	5		2
Area 5 - Warm - Irrigation		3	2	3	2		5	3	5		4
Area 6 - Temperate - Irrigation		2	3	2	2		5	3	5		3
Agronomic Traits											
Standability: High Rainfall		1	-	1	1	3	3	3	2	2	1
Standability: Low Rainfall		1	2	1	1	2	2	2	2	2	1
Prolificacy		3	6	5	7	4	2	6	6	2	4
Drying		2	1	3	1	7	7	2	7	9	2
Disease Tolerance											
Common Rust		3	5	4	7	3	3	3	3	1	3
Northern Leaf Blight		2	7	5	4	2	2	2	4	5	2
Diplodia		3	5	4	3	3	3	3	4	1	3
Grey leaf Spot		4	7	5	4	2	4	3	2	5	5
MSV		3	5	3	3	4	4	1	7	7	3

1 = Excellent/Fast

9 = Weak/Slow

Relationship between plant density and expected plant population

Kernel size	Kernels/kg	kg seed/ha for plant population/ha of								
		15 000	17 500	20 000	25 000	30 000	35 000	40 000	45 000	50 000
4P	3110	4,8	5,6	6,4	8	9,6	11,2	12,8	14,4	16
4R	2510	6	7	8	10	12	13,9	15,9	17,9	19,9
5P	2860	5,6	6,5	7,5	9,3	11,2	13,1	14,9	16,8	18,7
5R	2060	7,3	8,5	9,7	12,1	14,6	17	19,4	21,8	24,3
6P	2180	6,9	8	9,2	11,5	13,8	16,1	18,3	20,6	22,9
6R	1660	9	10,5	12	15,1	18,1	21,1	24,1	27,1	30,1
7P	1820	8,2	9,6	11	13,7	16,5	19,2	22	24,7	27,5
7R	1490	10,1	11,7	13,4	16,8	20,1	23,5	26,8	30,2	34,5