

IMPORTED MAIZE QUALITY
Imported maize quality versus RSA crop quality
2004/2005

Country of origin	Argentina		RSA Crop Average	
Class and grade yellow maize	YM2	COM	YM2	COM
RSA Grading				
Defective kernels above 6.35 mm sieve, %	3.2	1.7	6.8	27.2
Defective kernels below 6.35 mm sieve, %	7.6	12.0	3.6	2.9
Total defective kernels, %	10.8	13.7	10.4	30.1
Other colour maize kernels, %	0.0	0.0	0.4	1.0
Foreign matter, %	0.1	0.0	0.2	0.4
Combined deviation, %	10.9	13.7	11.0	31.5
Pinked maize kernels, %	11.3	13.2	0.2	0.0
Live insects	0	0	0	0
Noxious seeds	0	0	0	0
Undesirable odour	Nb	Nb	Nb	Nb
Physical Factors				
Hectolitre mass, kg/hl	66.6	58.9	75.7	75.9
100 Kernel mass, g	30.7	31.0	31.7	33.4
Stress cracks, %	11	11	6	2
Milling Index	89.7	93.2	93.3	96.6
Kernel Size				
% on top 10 mm	3.7	3.6	17.1	16.6
% on top 8 mm	60.6	60.9	62.6	70.6
% through 8 mm	35.8	35.5	20.3	12.8
Breakage susceptibility, g				
Below 6.35 mm sieve	0.7	1.0	2.0	1.2
Below 4.8 mm sieve	0.8	0.8	1.4	1.0
Nutritional Factors				
Protein, %	8.0	7.9	8.7	9.0
Fat, %(db)	4.8	4.8	3.8	4.1
Starch, %(db)	75.1	74.5	75.7	74.8
Number of samples	2	1	70	1
Mycotoxins				
Total Aflatoxin, ppb(ug/kg)	0		0	-
Fumonisin, ppm (mg/kg)	1.1		1.3	-
Deoxynivalenol, ppm (mg/kg)	0		1.0	-
Ochratoxin, ppb (ug/kg)	0		0	-
Zearalenone, ppm (mg/kg)	0		0	-
GMO				
MON810, %	>2		>2	-
NK603 (Roundup Ready), %	1.3		0.6	-
Number of samples	2		7	-