

IMPORTED MAIZE QUALITY
Imported maize quality versus RSA crop quality
2003/2004

Country of origin	Argentina	RSA Crop Average
Class and grade yellow maize	YM2	YM2
RSA Grading		
Defective kernels above 6.35 mm sieve, %	2.3	7.1
Defective kernels below 6.35 mm sieve, %	6.0	3.0
Total defective kernels, %	8.3	10.1
Other colour maize kernels, %	0.0	0.4
Foreign matter, %	0.2	0.3
Combined deviation, %	8.6	10.9
Pinked maize kernels, %	6.9	0.3
Live insects	0	0
Noxious seeds	0	0
Undesirable odour	Nb	Nb
Physical Factors		
Hectolitre mass, kg/hl	75.8	76.3
100 Kernel mass, g	29.8	33.5
Stress cracks, %	11	8
Milling Index	96.9	101.5
Kernel Size		
% on top 10 mm	4.0	20.4
% on top 8 mm	61.5	65.8
% through 8 mm	34.5	13.8
Breakage susceptibility, g		
Below 6.35 mm sieve	1.2	2.0
Below 4.8 mm sieve	0.8	1.3
Nutritional Factors		
Protein, %	8.6	9.0
Fat, % (db)	4.9	4.0
Starch, % (db)	74.2	74.9
Number of samples	21	68
Mycotoxins		
Total Aflatoxin, ppb (ug/kg)	0	0
Fumonisin, ppm (mg/kg)	1.9	2.1
Deoxynivalenol, ppm (mg/kg)	0	0
Ochratoxin, ppb (ug/kg)	0	0
Zearalenone, ppm (mg/kg)	0	0
GMO		
MON810, %	>2	>2
NK603 (Roundup Ready), %	1.0	1.6
Number of samples	7	7