

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

Country of origin	Argentina		RSA Crop Average	
	YM2	COM	YM2	COM
<b>Class and grade yellow maize</b>				
<b>RSA Grading</b>				
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
<b>Physical Factors</b>				
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
<b>Kernel Size</b>				
% 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
<b>Breakage susceptibility, g</b>				
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
<b>Nutritional Factors</b>				
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
<b>Number of samples</b>	<b>2</b>	<b>1</b>	<b>70</b>	<b>1</b>
<b>Mycotoxins</b>				
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	-
<b>GMO</b>				
MON810, %	>2		>2	-
NK603 (Roundup Ready), %	1.3		0.6	-
<b>Number of samples</b>	<b>2</b>		<b>7</b>	<b>-</b>