

**IMPORTED MAIZE QUALITY**  
**Imported maize quality versus RSA crop quality**  
**2007/2008**

<b>Country of origin</b>	<b>Argentina Average</b>	<b>RSA Crop Average</b>
<b>Class and grade yellow maize</b>	<b>YM2</b>	<b>YM2</b>
<b>RSA Grading</b>		
Defective kernels above 6.35 mm sieve, %	2.6	2.5
Defective kernels below 6.35 mm sieve, %	8.4	4.2
Total defective kernels, %	11.0	6.7
Other colour maize kernels, %	0.0	0.4
Foreign matter, %	0.2	0.2
Combined deviation, %	11.2	7.3
Pinked maize kernels, %	9.9	0.0
Noxious seeds	0	0
<b>Physical Factors</b>		
Hectolitre mass, kg/hl	76.0	75.0
100 Kernel mass, g	27.4	31.6
Stress cracks, %	36	8
Milling Index	95.2	92.7
<b>Kernel Size</b>		
% on top 10 mm	3.4	15.8
% on top 8 mm	64.1	63.2
% through 8 mm	32.5	21.0
<b>Breakage susceptibility, g</b>		
Below 6.35 mm sieve	4.5	3.6
Below 4.8 mm sieve	2.8	2.5
<b>Nutritional Factors</b>		
Protein, %	8.9	8.4
Fat, % (db)	4.8	3.7
Starch, % (db)	72.4	72.0
<b>Number of samples</b>	<b>5</b>	<b>27</b>
<b>Mycotoxins</b>		
Total Aflatoxin, ppb (ug/kg) [max. value]	0 [0]	0 [0]
Fumonisin, ppm (mg/kg) [max. value]	1.40 [1.40]	0.18 [0.36]
Deoxynivalenol, ppm (mg/kg) [max. value]	<0.25 [<0.25]	<0.25 [<0.25]
Ochratoxin, ppb (ug/kg) [max. value]	0 [0]	0.5 [1.00]
Zearalenone, ppm (mg/kg) [max. value]	0 [0]	0 [0]
<b>Number of samples</b>	<b>1</b>	<b>2</b>
<b>GMO</b>		
MON810, % Samples positive (> LOD of 0.15 %)	0	100
NK603 (Roundup Ready), % Samples positive (> LOD of 0.25 %)	100	100
<b>Number of samples</b>	<b>1</b>	<b>2</b>