

**TABLE 3: RSA GRADING OF YELLOW MAIZE (2010/2011)**

Number of samples	Region	% Defective Kernels						% Total defective		% Foreign matter		% Other Colour		% Total Deviation		% Pinked Kernels		% Diplodia Kernels		% Fusarium Kernels		% Cobrot Kernels										
		Above 6.35 mm sieve			Below 6.35 mm sieve			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.							
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.							
<b>GRADE: YM 1</b>																																
1	Region 08	5.5	5.5	5.5	1.3	1.3	1.3	6.7	6.7	6.7	0.2	0.2	0.2	0.0	0.0	0.0	6.9	6.9	6.9	0.0	0.0	0.0	2.2	2.2	2.2	1.8	1.8	1.8	0.0	0.0	0.0	
29	Region 10	2.3	0.8	5.0	1.4	0.4	2.9	3.7	1.2	6.3	0.1	0.0	0.2	0.0	0.0	0.0	3.8	1.3	6.4	0.0	0.0	0.0	0.7	0.0	1.4	0.5	0.0	0.9	0.1	0.0	0.5	
1	Region 11	2.2	2.2	2.2	0.7	0.7	0.7	2.9	2.9	2.9	0.1	0.1	0.1	0.0	0.0	0.0	2.9	2.9	2.9	0.0	0.0	0.0	0.4	0.4	0.4	0.9	0.9	0.9	0.3	0.3	0.3	
5	Region 12	3.2	1.9	4.6	1.6	1.2	2.2	4.8	3.6	6.7	0.1	0.1	0.2	0.1	0.0	0.3	5.0	3.7	7.2	0.0	0.0	0.0	1.3	0.6	1.9	0.6	0.5	0.9	0.1	0.0	0.3	
6	Region 13	4.2	2.4	5.6	1.8	1.3	2.6	6.0	3.8	7.2	0.2	0.1	0.2	0.1	0.0	0.5	6.3	3.9	7.4	0.0	0.0	0.0	1.5	0.8	2.3	1.0	0.8	1.3	0.4	0.0	0.9	
11	Region 14	4.2	2.0	7.0	1.7	0.3	2.6	5.9	3.8	7.6	0.2	0.1	0.2	0.0	0.0	0.5	6.1	3.9	7.8	0.0	0.0	0.0	1.8	0.6	3.1	0.9	0.4	1.9	0.2	0.0	0.6	
1	Region 15	5.8	5.8	5.8	1.9	1.9	1.9	7.7	7.7	7.7	0.2	0.2	0.2	0.3	0.3	0.3	8.2	8.2	8.2	0.0	0.0	0.0	3.4	3.4	3.4	0.5	0.5	0.5	0.0	0.0	0.0	
2	Region 16	6.6	5.8	7.5	1.0	1.0	1.0	7.6	6.7	8.5	0.1	0.1	0.1	0.2	0.0	0.4	7.9	6.8	9.0	0.0	0.0	0.0	2.7	2.2	3.3	1.2	0.9	1.5	0.3	0.0	0.7	
8	Region 17	4.1	3.2	5.8	1.8	1.3	2.7	5.9	4.7	7.4	0.2	0.1	0.2	0.2	0.0	1.0	6.3	4.8	8.0	0.0	0.0	0.0	1.8	1.1	2.6	0.8	0.5	1.1	0.2	0.0	0.5	
5	Region 18	4.5	3.0	5.4	2.1	1.4	2.5	6.6	4.4	7.9	0.2	0.1	0.2	0.3	0.0	0.6	7.1	4.6	8.7	0.0	0.0	0.0	1.5	1.1	1.8	1.2	0.5	1.8	0.4	0.0	0.7	
10	Region 19	4.3	2.3	6.0	2.2	1.0	3.0	6.5	4.1	7.5	0.2	0.1	0.3	0.0	0.0	0.3	6.8	4.2	7.7	0.0	0.0	0.0	1.7	0.9	2.7	1.0	0.5	2.2	0.3	0.0	0.5	
8	Region 20	5.6	4.8	6.8	1.7	1.1	2.1	7.2	5.9	8.1	0.2	0.1	0.2	0.2	0.0	0.7	7.6	6.7	8.3	0.0	0.0	0.0	2.4	1.6	2.9	1.1	0.5	2.1	0.4	0.0	1.0	
1	Region 21	2.9	2.9	2.9	1.5	1.5	1.5	4.3	4.3	4.3	0.2	0.2	0.2	0.0	0.0	0.0	4.5	4.5	4.5	0.0	0.0	0.0	1.4	1.4	1.4	0.4	0.4	0.4	0.0	0.0	0.0	
2	Region 22	2.0	1.7	2.3	1.6	1.4	1.7	3.6	3.1	4.0	0.1	0.1	0.2	0.0	0.0	0.0	3.7	3.2	4.2	0.0	0.0	0.0	0.7	0.6	0.8	0.3	0.2	0.4	0.0	0.0	0.0	
6	Region 23	3.8	1.7	6.3	1.9	1.2	3.0	5.6	3.5	7.5	0.2	0.2	0.2	0.1	0.0	0.9	6.0	3.6	8.6	0.0	0.0	0.0	1.3	0.6	2.5	1.0	0.2	1.7	0.3	0.0	0.5	
1	Region 24	3.9	3.9	3.9	1.6	1.6	1.6	5.5	5.5	5.5	0.2	0.2	0.2	1.9	1.9	1.9	7.6	7.6	7.6	0.0	0.0	0.0	1.6	1.6	1.6	0.6	0.6	0.6	0.5	0.5	0.5	
19	Region 25	4.6	2.0	6.8	2.0	0.9	3.2	6.6	3.5	8.8	0.2	0.1	0.2	0.1	0.0	0.6	6.9	3.9	9.0	0.0	0.0	0.0	1.7	0.8	2.9	1.2	0.2	2.1	0.2	0.0	0.4	
8	Region 26	3.0	2.0	5.4	1.8	0.4	2.7	4.8	3.3	8.1	0.2	0.1	0.2	0.1	0.0	0.4	5.0	3.5	8.7	0.0	0.0	0.0	1.1	0.7	2.7	0.6	0.2	1.2	0.1	0.0	0.4	
4	Region 27	3.4	3.1	3.8	3.6	3.2	4.0	7.0	6.3	7.7	0.2	0.2	0.2	0.0	0.0	0.0	7.2	6.5	7.9	0.0	0.0	0.0	1.5	1.3	1.6	0.9	0.5	1.2	0.2	0.0	0.4	
27	Region 28	2.9	1.1	5.7	1.7	0.1	3.9	4.5	1.5	8.1	0.2	0.0	0.3	0.2	0.0	1.4	4.8	1.8	8.5	0.0	0.0	0.0	1.1	0.4	2.5	0.7	0.0	1.7	0.1	0.0	0.6	
6	Region 30	2.8	1.0	4.2	1.6	0.9	3.3	4.4	3.0	5.4	0.1	0.1	0.2	0.0	0.0	0.0	4.6	3.1	5.6	0.0	0.0	0.0	0.7	0.4	1.0	0.6	0.4	0.8	0.1	0.0	0.4	
1	Region 31	4.0	4.0	4.0	2.4	2.4	2.4	6.5	6.5	6.5	0.2	0.2	0.2	0.0	0.0	0.0	6.6	6.6	6.6	0.0	0.0	0.0	1.4	1.4	1.4	0.9	0.9	0.9	0.0	0.0	0.0	
8	Region 32	2.5	1.4	3.8	1.6	1.2	2.1	4.1	2.8	5.8	0.2	0.1	0.2	0.1	0.0	0.4	4.3	2.9	5.9	0.0	0.0	0.0	0.8	0.4	1.3	0.6	0.4	0.9	0.1	0.0	0.5	
6	Region 33	3.2	2.1	5.0	1.4	0.9	1.9	4.6	3.3	6.3	0.1	0.1	0.2	0.0	0.0	0.0	4.7	3.5	6.5	0.0	0.0	0.0	1.5	0.8	2.6	0.5	0.4	0.6	0.2	0.0	0.5	
19	Region 34	3.2	1.8	4.0	1.9	0.7	4.0	5.0	2.9	7.3	0.2	0.1	0.3	0.3	0.0	1.9	5.5	3.1	8.0	0.0	0.0	0.0	1.3	0.4	2.1	0.6	0.3	1.0	0.1	0.0	0.5	
3	Region 35	1.7	0.9	2.5	1.7	1.4	2.1	3.4	2.3	4.0	0.1	0.1	0.1	0.1	0.0	0.4	3.6	2.8	4.1	0.0	0.0	0.0	0.6	0.0	1.3	0.3	0.0	0.5	0.0	0.0	0.0	
14	Region 36	2.9	1.3	5.4	1.5	0.6	3.2	4.4	2.3	7.0	0.1	0.0	0.2	0.1	0.0	0.7	4.6	2.4	7.1	0.0	0.0	0.0	1.0	0.5	1.7	0.6	0.0	1.7	0.2	0.0	0.6	
212	Ave YM 1	3.4	0.8	7.5	1.7	0.1	4.0	5.2	1.2	8.8	0.2	0.0	0.3	0.1	0.0	1.9	5.4	1.3	9.0	0.0	0.0	0.0	1.3	0.0	3.4	0.7	0.0	2.2	0.2	0.0	1.0	
	Min YM 1																															
	Max YM 1																															

**TABLE 3: RSA GRADING OF YELLOW MAIZE (2010/2011) (continue)**

Number of samples	Region	% Defective Kernels						% Total defective		% Foreign matter		% Other Colour		% Total Deviation		% Pinked Kernels		% Diplodia Kernels		% Fusarium Kernels		% Cobrot Kernels									
		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.								
		ave.	min.	max.	ave.																			min.	max.	ave.	min.	max.	ave.	min.	max.
<b>GRADE: YM 2</b>																															
3	Region 12	9.4	7.2	12.4	2.1	1.4	2.7	11.6	9.9	13.8	0.2	0.2	0.2	0.3	0.0	0.6	12.1	10.1	14.4	0.0	0.0	0.0	4.5	2.9	7.7	1.8	1.4	2.3	0.6	0.6	0.8
3	Region 13	11.1	7.6	13.7	2.4	1.9	3.4	13.5	9.4	17.1	0.2	0.2	0.3	0.5	0.0	1.2	14.3	10.0	18.5	0.0	0.0	0.0	6.3	4.2	7.8	1.6	0.8	2.2	0.5	0.0	0.8
4	Region 14	8.9	4.7	11.3	2.2	0.6	5.1	11.1	9.9	12.5	0.2	0.2	0.2	0.2	0.0	0.7	11.5	10.5	12.7	0.0	0.0	0.0	4.1	1.7	6.7	1.7	0.9	3.2	0.6	0.5	1.1
3	Region 16	8.9	6.5	11.6	3.8	1.3	7.9	12.7	7.8	16.6	0.2	0.2	0.3	0.5	0.0	1.1	13.4	9.1	17.4	0.0	0.0	0.0	4.7	3.3	6.9	1.1	0.7	1.7	0.5	0.5	0.6
1	Region 17	6.0	6.0	6.0	2.2	2.2	2.2	8.2	8.2	8.2	0.2	0.2	0.2	1.1	1.1	1.1	9.6	9.6	9.6	0.0	0.0	0.0	3.0	3.0	3.0	0.8	0.8	0.8	0.6	0.6	0.6
3	Region 18	8.5	6.5	12.1	2.8	2.6	3.2	11.4	9.7	14.7	0.2	0.2	0.2	0.7	0.4	1.1	12.2	10.3	16.0	0.0	0.0	0.0	3.0	1.6	4.6	1.9	1.1	2.7	0.6	0.4	0.9
5	Region 19	8.8	6.2	12.0	3.8	2.2	6.9	12.6	10.5	15.3	0.2	0.2	0.3	0.2	0.0	0.5	13.0	10.8	15.5	0.0	0.0	0.0	3.4	2.7	4.1	2.1	1.4	3.4	0.6	0.4	1.3
4	Region 20	7.3	5.9	8.3	2.9	2.0	3.5	10.2	9.4	11.8	0.3	0.2	0.3	0.1	0.0	0.4	10.6	9.7	12.5	0.0	0.0	0.0	2.8	2.5	3.1	1.9	1.3	2.4	0.6	0.3	1.0
1	Region 22	6.5	6.5	6.5	2.5	2.5	2.5	9.0	9.0	9.0	0.2	0.2	0.2	0.0	0.0	0.0	9.2	9.2	9.2	0.0	0.0	0.0	3.0	3.0	3.0	1.5	1.5	1.5	0.5	0.5	0.5
10	Region 23	8.7	5.7	14.0	2.5	1.6	4.6	11.2	8.7	17.4	0.2	0.1	0.3	0.6	0.0	1.2	11.9	9.5	17.6	0.0	0.0	0.0	3.4	1.8	8.2	1.9	1.3	2.2	0.5	0.4	0.7
9	Region 25	7.8	5.0	10.7	3.4	0.6	9.6	11.2	8.8	15.0	0.2	0.2	0.3	0.5	0.0	2.5	11.9	9.1	15.6	0.0	0.0	0.0	3.3	1.6	5.2	1.6	0.9	2.2	0.5	0.4	0.9
4	Region 26	7.8	7.3	8.3	1.8	1.6	2.1	9.6	9.0	10.4	0.2	0.2	0.3	0.1	0.0	0.4	10.0	9.2	10.7	0.0	0.0	0.0	3.7	3.2	4.4	1.4	1.0	1.7	0.6	0.5	0.9
3	Region 27	6.3	6.0	6.7	3.7	3.3	4.5	10.0	9.3	10.7	0.2	0.2	0.2	0.0	0.0	0.0	10.2	9.5	10.9	0.0	0.0	0.0	2.2	1.6	2.6	1.3	0.5	1.8	0.1	0.0	0.4
6	Region 28	6.4	4.0	7.4	3.9	1.4	9.0	10.3	8.3	15.2	0.2	0.2	0.2	0.2	0.0	0.5	10.7	8.5	15.4	0.0	0.0	0.0	2.4	1.7	2.8	1.7	0.9	2.8	0.4	0.0	0.6
1	Region 30	5.1	5.1	5.1	4.0	4.0	4.0	9.1	9.1	9.1	0.3	0.3	0.3	0.8	0.8	0.8	10.3	10.3	10.3	0.0	0.0	0.0	1.7	1.7	1.7	0.3	0.3	0.3	0.0	0.0	0.0
1	Region 33	6.8	6.8	6.8	2.6	2.6	2.6	9.4	9.4	9.4	0.3	0.3	0.3	0.5	0.5	0.5	10.2	10.2	10.2	0.0	0.0	0.0	2.6	2.6	2.6	1.3	1.3	1.3	0.5	0.5	0.5
2	Region 36	1.9	1.6	2.2	6.5	4.9	8.1	8.4	6.5	10.3	0.1	0.1	0.1	0.0	0.0	0.0	8.5	6.6	10.4	0.0	0.0	0.0	0.6	0.6	0.7	0.6	0.4	0.9	0.0	0.0	0.0
<b>63</b>	<b>Ave YM2</b>	<b>7.9</b>			<b>3.1</b>			<b>11.0</b>			<b>0.2</b>			<b>0.4</b>			<b>11.5</b>			<b>0.0</b>			<b>3.3</b>			<b>1.6</b>			<b>0.5</b>		
	<b>Min YM2</b>	<b>1.6</b>			<b>0.6</b>			<b>6.5</b>			<b>0.1</b>			<b>0.0</b>			<b>6.6</b>			<b>0.0</b>			<b>0.6</b>			<b>0.3</b>			<b>0.0</b>		
	<b>Max YM2</b>	<b>14.0</b>			<b>9.6</b>			<b>17.4</b>			<b>0.3</b>			<b>2.5</b>			<b>18.5</b>			<b>0.0</b>			<b>8.2</b>			<b>3.4</b>			<b>1.3</b>		

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		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.					
		ave.	min.	max.	ave.																			min.	max.			
<b>GRADE: YM3</b>																												
1	Region 20	20.3	20.3	20.3	4.2	4.2	4.2	24.5	24.5	24.5	0.3	0.3	0.3	0.6	0.6	0.6	0.0	0.0	0.0	10.2	10.2	10.2	3.7	3.7	3.7	0.9	0.9	0.9
2	Region 23	18.1	14.2	22.0	2.0	1.6	2.3	20.1	16.5	23.6	0.2	0.2	0.2	1.8	0.0	3.6	0.0	0.0	0.0	7.9	6.7	9.2	5.6	3.7	7.4	0.8	0.7	0.9
3	Ave YM3	18.8			2.7			21.5			0.3		1.4				0.0			8.7			4.9			0.9		
	Min YM3	14.2			1.6			16.5			0.2		0.0				0.0			6.7			3.7			0.7		
	Max YM3	22.0			4.2			24.5			0.3		3.6				0.0			10.2			7.4			0.9		
<b>GRADE: COM</b>																												
1	Region 12	30.9	30.9	30.9	5.1	5.1	5.1	36.1	36.1	36.1	0.4	0.4	0.4	0.5	0.5	0.5	0.0	0.0	0.0	18.0	18.0	18.0	4.7	4.7	4.7	2.3	2.3	2.3
1	Region 20	16.5	16.5	16.5	2.2	2.2	2.2	18.7	18.7	18.7	0.2	0.2	0.2	6.2	6.2	6.2	0.0	0.0	0.0	8.7	8.7	8.7	2.9	2.9	2.9	0.7	0.7	0.7
2	Ave COM	23.7			3.7			27.4			0.3		3.3				0.0			13.4			3.8			1.5		
	Min COM	16.5			2.2			18.7			0.2		0.5				0.0			8.7			2.9			0.7		
	Max COM	30.9			5.1			36.1			0.4		6.2				0.0			18.0			4.7			2.3		
280	Ave yellow maize	4.7			2.1			6.8			0.2		0.2				0.0			1.9			1.0			0.3		
	Min yellow maize	0.8			0.1			1.2			0.0		0.0				0.0			0.0			0.0			0.0		
	Max yellow maize	30.9			9.6			36.1			0.4		6.2				0.0			18.0			7.4			2.3		
693	Ave maize	5.0			1.9			6.9			0.2		0.3				0.0			2.0			1.0			0.2		
	Min maize	0.5			0.1			0.9			0.0		0.0				0.0			0.0			0.0			0.0		
	Max maize	67.1			13.3			71.5			0.8		23.2				0.0			18.0			7.4			2.3		