

TABLE 3: RSA GRADING OF YELLOW MAIZE (2004/2005)

Number of samples	Region	% Defective Kernels						% Total defective			% Foreign matter			% Another 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.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: YM 1																																		
9	Region 10	2.8	1.6	5.2	2.0	1.5	2.6	4.7	3.3	7.7	0.2	0.1	0.2	0.0	0.0	0.0	4.9	3.5	7.9	0.1	0.0	0.7	0.1	0.0	0.6	0.2	0.0	1.4	0.1	0.0	0.5			
29	Region 11	1.9	0.9	5.8	2.0	1.4	2.8	3.9	2.7	7.5	0.2	0.1	0.3	0.0	0.0	0.3	4.1	2.9	7.6	0.0	0.0	0.0	0.1	0.0	1.0	0.1	0.0	0.8	0.0	0.0	0.3			
7	Region 12	3.4	2.0	4.5	1.9	1.4	2.4	5.3	3.7	6.5	0.2	0.1	0.3	0.0	0.0	0.0	5.4	3.9	6.6	0.1	0.0	0.4	0.1	0.0	0.4	0.1	0.0	0.6	0.1	0.0	0.5			
4	Region 13	4.0	3.7	4.4	2.5	2.1	2.9	6.5	6.2	6.9	0.2	0.2	0.2	0.0	0.0	0.0	6.7	6.3	7.1	0.1	0.0	0.4	0.1	0.0	0.2	0.2	0.0	0.5	0.3	0.0	0.7			
12	Region 14	4.0	1.7	7.3	2.1	0.6	3.9	6.1	3.2	8.9	0.2	0.1	0.2	0.1	0.0	0.7	6.4	3.4	9.0	0.1	0.0	0.7	0.1	0.0	0.5	0.3	0.0	2.7	0.2	0.0	1.0			
5	Region 15	3.0	2.2	3.6	1.7	1.6	1.8	4.6	4.0	5.3	0.2	0.2	0.2	0.0	0.0	0.0	4.8	4.1	5.5	0.0	0.0	0.0	0.1	0.0	0.5	0.3	0.0	1.0	0.1	0.0	0.4			
5	Region 16	2.9	1.6	4.2	1.8	1.4	2.6	4.7	3.2	6.2	0.2	0.2	0.2	0.0	0.0	0.1	4.9	3.5	6.4	0.0	0.0	0.0	0.3	0.0	0.7	0.5	0.0	1.0	0.1	0.0	0.3			
8	Region 17	3.4	1.7	5.6	2.5	1.5	3.4	6.0	4.3	7.8	0.2	0.1	0.2	0.1	0.0	0.7	6.3	4.4	8.0	0.0	0.0	0.4	0.3	0.0	1.1	0.4	0.0	0.9	0.4	0.0	1.4			
9	Region 18	2.8	1.4	4.4	1.9	1.5	2.8	4.8	3.1	6.0	0.2	0.1	0.2	0.2	0.0	0.7	5.1	3.2	6.3	0.2	0.0	1.0	0.2	0.0	0.7	0.2	0.0	0.4	0.2	0.0	0.5			
8	Region 19	3.8	3.2	5.3	2.4	1.5	3.9	6.3	4.8	7.6	0.2	0.2	0.3	0.2	0.0	0.6	6.7	5.0	8.4	0.1	0.0	0.8	0.2	0.0	0.4	0.3	0.0	0.6	0.4	0.0	0.9			
6	Region 20	4.6	3.8	7.1	2.2	1.6	3.0	6.8	5.7	8.6	0.2	0.2	0.3	0.0	0.0	0.0	7.0	5.8	9.0	0.4	0.0	0.9	0.2	0.0	1.2	0.6	0.0	1.8	0.6	0.0	1.7			
8	Region 21	4.1	3.1	5.0	1.9	0.7	3.1	6.0	4.8	7.7	0.2	0.2	0.2	0.2	0.0	0.6	6.4	5.0	7.9	0.2	0.0	0.4	0.5	0.0	1.6	0.4	0.0	0.8	0.3	0.0	0.7			
5	Region 22	3.4	1.8	4.2	1.9	1.6	2.6	5.3	3.7	6.8	0.2	0.1	0.2	0.0	0.0	0.0	5.5	3.9	7.0	0.1	0.0	0.4	0.1	0.0	0.3	0.2	0.0	0.5	0.3	0.0	0.7			
10	Region 23	2.8	1.4	6.5	2.2	1.1	3.6	5.0	3.1	8.8	0.2	0.1	0.3	0.2	0.0	0.8	5.3	3.4	9.0	0.0	0.0	0.4	0.3	0.0	1.1	0.3	0.0	0.8	0.2	0.0	0.4			
15	Region 24	2.7	1.7	3.9	1.7	0.9	2.8	4.4	2.8	6.1	0.2	0.1	0.2	0.3	0.0	0.6	4.8	3.2	6.7	0.1	0.0	0.5	0.1	0.0	0.8	0.1	0.0	0.7	0.0	0.0	0.3			
9	Region 25	4.6	2.9	6.8	1.8	0.6	3.3	6.4	3.9	8.3	0.2	0.1	0.2	0.1	0.0	0.6	6.7	4.1	8.8	0.0	0.0	0.0	0.5	0.0	1.9	0.1	0.0	0.6	0.1	0.0	0.3			
13	Region 26	3.0	1.9	4.0	2.0	0.9	3.0	5.1	2.8	6.8	0.2	0.1	0.3	0.0	0.0	0.4	5.3	2.9	7.0	0.3	0.0	1.3	0.2	0.0	0.7	0.1	0.0	0.7	0.1	0.0	0.5			
9	Region 27	2.8	2.0	3.8	2.3	1.1	3.5	5.1	3.8	7.3	0.2	0.2	0.3	0.1	0.0	0.7	5.4	4.0	8.1	0.0	0.0	0.4	0.4	0.0	0.8	0.2	0.0	0.4	0.2	0.0	0.4			
21	Region 28	2.4	1.3	4.5	2.0	1.3	3.5	4.4	2.8	7.0	0.2	0.1	0.2	0.1	0.0	0.6	4.7	3.0	7.4	0.2	0.0	1.3	0.3	0.0	0.9	0.1	0.0	0.4	0.1	0.0	0.5			
26	Region 29	2.9	1.2	5.1	2.1	0.6	3.6	5.0	1.9	7.4	0.2	0.1	0.2	0.1	0.0	0.5	5.3	2.6	7.6	0.2	0.0	1.1	0.3	0.0	1.5	0.2	0.0	1.2	0.2	0.0	0.9			
15	Region 30	3.4	1.3	6.0	2.4	1.3	3.7	5.8	2.5	8.6	0.2	0.2	0.3	0.0	0.0	0.4	6.1	2.7	8.8	0.0	0.0	0.0	0.1	0.0	1.0	0.1	0.0	0.6	0.0	0.0	0.3			
23	Region 31	3.8	2.1	6.6	1.8	0.6	3.3	5.6	3.2	8.0	0.2	0.1	0.3	0.1	0.0	1.2	5.9	3.4	8.6	0.2	0.0	1.5	0.1	0.0	0.7	0.3	0.0	1.0	0.3	0.0	1.1			
28	Region 32	3.1	1.6	5.7	1.9	1.2	2.8	5.0	3.2	7.9	0.2	0.1	0.3	0.1	0.0	1.6	5.3	3.4	8.2	0.1	0.0	1.8	0.2	0.0	0.9	0.3	0.0	1.1	0.1	0.0	0.5			
9	Region 33	3.6	2.0	4.9	2.1	1.6	2.9	5.7	3.6	7.6	0.2	0.2	0.3	0.1	0.0	0.6	6.0	4.4	8.2	0.1	0.0	1.0	0.0	0.0	0.3	0.2	0.0	0.9	0.0	0.0	0.3			
16	Region 34	4.0	0.6	5.2	2.4	0.4	3.6	6.4	1.0	8.6	0.2	0.1	0.2	0.0	0.0	0.4	6.6	1.0	8.8	0.1	0.0	0.5	0.1	0.0	0.5	0.3	0.0	1.2	0.4	0.0	1.0			
9	Region 35	2.0	1.1	3.0	1.7	1.1	2.3	3.7	2.6	5.0	0.2	0.1	0.3	0.0	0.0	0.3	3.9	2.7	5.2	0.1	0.0	0.4	0.1	0.0	0.3	0.1	0.0	0.3	0.0	0.0	0.3			
6	Region 36	4.5	3.1	6.7	1.9	0.3	3.1	6.3	3.5	8.7	0.1	0.0	0.2	0.1	0.0	0.4	6.6	3.5	8.8	0.0	0.0	0.0	0.5	0.0	1.1	0.7	0.0	1.7	0.1	0.0	0.3			
324	Ave YM 1	3.2			2.0			5.2			0.2			0.1			5.5			0.1			0.2			0.2			0.2			0.2		
	Min YM 1	0.6			0.3			1.0			0.0			0.0			1.0			0.0			0.0			0.0			0.0			0.0		
	Max YM 1		7.3			3.9		8.9			0.3			1.6			9.0			1.8			1.9			2.7			1.7			1.7		

TABLE 3: RSA GRADING OF YELLOW MAIZE (2004/2005) (continue)

Number of samples	Region	% Defective Kernels						% Total defective			% Foreign matter			% Another 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.																								
GRADE: YM 2																															
1	Region 10	7.9	7.9	7.9	3.3	3.3	3.3	11.3	11.3	11.3	0.2	0.2	0.2	0.0	0.0	0.0	11.5	11.5	11.5	0.0	0.0	0.0	1.5	1.5	1.5	1.3	1.3	1.3	0.5	0.5	0.5
1	Region 11	1.6	1.6	1.6	4.1	4.1	4.1	5.7	5.7	5.7	0.2	0.2	0.2	0.0	0.0	0.0	5.9	5.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Region 12	8.2	6.7	9.8	1.9	0.9	3.0	10.2	9.6	10.7	0.2	0.1	0.2	0.0	0.0	0.0	10.3	9.7	10.9	0.5	0.0	1.1	0.9	0.7	1.0	1.7	1.4	2.0	3.1	2.2	4.0
4	Region 13	10.0	7.0	15.4	1.8	0.4	3.6	11.8	9.3	15.8	0.2	0.1	0.3	0.4	0.0	0.7	12.3	9.3	16.3	0.2	0.0	0.7	0.6	0.5	0.9	1.2	0.5	1.7	2.0	1.0	3.8
3	Region 14	11.0	9.7	13.2	1.9	0.4	3.1	12.9	12.2	13.7	0.2	0.1	0.2	0.1	0.0	0.3	13.1	12.7	13.8	0.2	0.0	0.4	1.3	0.4	2.3	0.6	0.0	1.0	3.5	1.0	6.6
2	Region 15	11.6	10.3	12.9	1.4	0.4	2.4	13.0	12.7	13.3	0.2	0.2	0.2	1.0	1.0	1.0	14.1	13.9	14.4	6.0	0.0	1.2	1.9	1.7	2.2	1.2	1.0	1.4	1.3	1.1	1.5
2	Region 16	3.9	2.7	5.1	4.4	4.2	4.5	8.2	6.9	9.6	0.2	0.2	0.3	0.6	0.3	1.0	9.1	8.2	10.1	0.2	0.0	0.4	0.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
4	Region 17	6.4	4.6	7.7	4.8	2.5	6.4	11.2	8.2	13.5	0.2	0.2	0.3	1.0	0.5	1.5	12.4	9.2	14.2	0.0	0.0	0.0	0.9	0.2	1.8	0.7	0.2	1.0	1.1	0.5	1.7
2	Region 18	5.8	2.1	9.5	3.1	1.5	4.7	8.9	6.8	11.0	0.3	0.2	0.4	0.6	0.3	0.9	9.8	7.3	12.3	0.0	0.0	0.0	0.4	0.0	0.8	0.2	0.0	0.4	0.9	0.0	1.8
2	Region 19	5.7	3.5	7.9	4.2	3.9	4.5	9.9	8.0	11.8	0.3	0.3	0.3	0.0	0.0	0.0	10.2	8.3	12.1	0.0	0.0	0.0	0.5	0.3	0.7	0.1	0.0	0.3	1.3	1.1	1.5
1	Region 20	11.0	11.0	11.0	5.0	5.0	5.0	15.9	15.9	15.9	0.3	0.3	0.3	0.0	0.0	0.0	16.2	16.2	16.2	0.0	0.0	0.0	1.3	1.3	1.3	1.8	1.8	1.8	2.1	2.1	2.1
1	Region 21	9.0	9.0	9.0	2.4	2.4	2.4	11.5	11.5	11.5	0.2	0.2	0.2	0.3	0.3	0.3	12.0	12.0	12.0	0.0	0.0	0.0	2.2	2.2	2.2	1.0	1.0	1.0	0.7	0.7	0.7
3	Region 22	6.7	3.1	9.0	2.4	1.2	4.0	9.1	4.2	13.0	0.2	0.2	0.2	0.7	0.0	2.2	10.1	6.7	13.2	0.4	0.0	0.8	0.9	0.3	1.5	0.8	0.0	1.3	0.6	0.0	1.6
4	Region 23	7.2	3.2	13.5	3.9	1.7	5.6	11.1	8.8	15.3	0.2	0.2	0.2	0.2	0.0	0.4	11.4	8.9	15.5	0.0	0.0	0.0	1.1	0.0	2.6	0.7	0.0	1.4	0.5	0.0	1.0
3	Region 24	6.3	5.5	7.9	3.0	1.1	4.4	9.3	9.0	9.9	0.2	0.2	0.3	0.1	0.0	0.2	9.6	9.3	10.1	0.0	0.0	0.0	0.9	0.9	0.9	0.7	0.6	0.9	0.5	0.3	0.9
2	Region 25	6.3	3.7	9.0	3.5	2.0	5.0	9.8	8.7	11.0	0.2	0.1	0.3	0.0	0.0	0.0	10.1	8.8	11.3	0.0	0.0	0.0	0.8	0.0	1.6	0.4	0.0	0.8	0.4	0.0	0.8
4	Region 26	8.2	7.2	9.5	3.6	3.0	4.5	11.9	10.2	14.0	0.3	0.2	0.3	0.0	0.0	0.0	12.2	10.4	14.3	0.3	0.0	1.3	1.5	0.8	1.9	0.6	0.4	0.8	0.8	0.4	1.5
1	Region 27	5.4	5.4	5.4	3.5	3.5	3.5	8.8	8.8	8.8	0.3	0.3	0.3	0.7	0.7	0.7	9.8	9.8	9.8	0.0	0.0	0.0	0.7	0.7	1.7	0.7	0.7	0.7	0.8	0.8	0.8
8	Region 28	5.9	1.8	9.2	4.0	2.9	5.6	9.9	7.3	13.2	0.3	0.2	0.4	0.3	0.0	1.0	10.5	8.2	13.8	0.1	0.0	0.4	0.9	0.3	1.6	0.6	0.3	1.0	0.6	0.3	0.9
8	Region 29	3.5	0.9	8.0	5.6	3.0	9.4	9.1	5.7	14.2	0.2	0.1	0.4	0.0	0.0	0.4	9.4	5.8	14.5	0.2	0.0	0.7	0.3	0.0	0.9	0.4	0.0	1.1	0.4	0.0	1.3
5	Region 30	5.8	2.9	8.7	3.0	1.1	4.8	8.8	7.8	9.8	0.2	0.2	0.3	0.3	0.0	1.1	9.4	7.9	10.0	0.9	0.0	2.0	0.8	0.0	1.4	0.9	0.0	2.2	0.4	0.0	1.1
4	Region 31	6.0	4.3	9.6	4.8	3.2	8.1	10.8	8.0	13.7	0.3	0.2	0.4	1.1	0.0	2.8	12.2	9.0	15.8	0.6	0.0	2.3	1.1	0.4	1.6	1.4	0.7	1.9	0.6	0.3	0.9
3	Region 36	11.0	7.0	13.5	2.4	1.7	3.9	13.5	10.9	15.2	0.2	0.2	0.3	0.6	0.4	0.8	14.3	11.8	15.8	0.0	0.0	0.0	1.8	1.2	2.2	2.5	2.3	2.6	0.6	0.4	0.9
70	Ave YM 2	6.8			3.6			10.4			0.2			0.4			11.0			0.2			0.9			0.8			0.9		
	Min YM 2	0.9			0.4			4.2			0.1			0.0			5.8			0.0			0.0			0.0			0.0		
	Max YM 2	15.4			9.4			15.9			0.4			2.8			16.3			2.3			2.6			2.6			6.6		

TABLE 3: RSA GRADING OF YELLOW MAIZE (2004/2005) (continue)

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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.
		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.
GRADE: YM 3																															
2	Region 14	16.7	14.2	19.2	3.5	0.8	6.2	20.2	20.1	20.4	0.4	0.4	0.4	0.5	0.0	0.9	21.1	20.8	21.4	0.0	0.0	0.0	1.9	0.7	3.2	2.5	1.5	3.5	7.9	6.4	9.5
1	Region 26	15.9	15.9	15.9	5.2	5.2	5.2	21.1	21.1	21.1	0.4	0.4	0.4	0.0	0.0	0.0	21.5	21.5	21.5	0.0	0.0	0.0	5.1	5.1	5.1	1.8	1.8	1.8	1.8	1.8	1.8
1	Region 30	2.7	2.7	2.7	2.4	2.4	2.4	5.1	5.1	5.1	0.6	0.6	0.6	0.8	0.8	0.8	6.5	6.5	6.5	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.5	0.5	0.3	0.3	0.3
4	Ave YM 3	13.0			3.7			16.7			0.4			0.4			17.5			0.0			2.3			1.8			4.5		
	Min YM 3	2.7			0.8			5.1			0.4			0.0			6.5			0.0			0.3			0.5			0.3		
	Max YM 3	19.2			6.2			21.1			0.6			0.9			21.5			0.0			5.1			3.5			9.5		
GRADE: COM																															
1	Region 14	27.2	27.2	27.2	2.9	2.9	2.9	30.1	30.1	30.1	0.4	0.4	0.4	1.0	1.0	1.0	31.5	31.5	31.5	0.0	0.0	0.0	3.9	3.9	3.9	4.5	4.5	4.5	10.4	10.4	10.4
1	Ave COM	27.2			2.9			30.1			0.4			1.0			31.5			0.0			3.9			4.5			10.4		
	Min COM	27.2			2.9			30.1			0.4			1.0			31.5			0.0			3.9			4.5			10.4		
	Max COM	27.2			2.9			30.1			0.4			1.0			31.5			0.0			3.9			4.5			10.4		
399	Ave yellow maize	4.0			2.3			6.3			0.2			0.1			6.6			0.1			0.4			0.4			0.4		
	Min yellow maize	0.6			0.3			1.0			0.0			0.0			1.0			0.0			0.0			0.0			0.0		
	Max yellow maize	27.2			9.4			30.1			0.6			2.8			31.5			2.3			5.1			4.5			10.4		
1000	Ave maize	3.7			2.1			5.8			0.2			0.2			6.2			0.1			0.4			0.5			0.4		
	Min maize	0.5			0.1			1.0			0.0			0.0			1.0			0.0			0.0			0.0			0.0		
	Max maize	28.5			16.4			30.3			0.6			12.3			31.5			2.3			5.1			4.5			10.9		