

TABLE 3: RSA GRADING OF YELLOW MAIZE (2009/2010)

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.																					
GRADE: YM 1																												
27	Region 10	1.0	0.3	2.8	1.1	0.1	2.6	2.0	0.6	4.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	
4	Region 11	1.5	1.0	1.8	1.7	1.0	2.3	3.2	2.1	3.8	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	Region 12	3.9	2.4	4.6	1.3	0.8	1.7	5.2	3.6	6.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	
4	Region 13	4.3	2.2	6.9	1.1	0.5	1.9	5.4	3.0	8.8	0.1	0.1	0.2	0.2	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
6	Region 14	3.9	1.4	6.6	1.3	0.6	1.8	5.2	2.0	8.0	0.2	0.1	0.3	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6
3	Region 15	1.9	0.8	3.4	1.8	1.8	1.8	3.7	2.6	5.2	0.2	0.2	0.2	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
3	Region 16	4.4	4.2	4.6	1.2	1.1	1.3	5.6	5.4	5.7	0.1	0.0	0.2	0.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.4
6	Region 17	4.1	2.1	5.6	1.2	0.5	1.6	5.2	3.6	6.9	0.1	0.1	0.2	0.2	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
6	Region 18	3.8	2.6	5.3	1.3	0.2	1.8	5.1	3.0	7.1	0.1	0.0	0.3	0.2	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6
2	Region 19	3.8	3.5	4.1	1.2	0.9	1.6	5.0	4.3	5.7	0.1	0.1	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Region 20	4.2	3.7	5.1	1.3	0.4	1.7	5.4	4.8	6.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4
8	Region 21	3.3	2.2	4.6	2.3	1.7	3.5	5.6	4.1	7.0	0.2	0.1	0.3	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.3
2	Region 22	3.8	2.5	5.1	1.9	1.3	2.4	5.7	3.8	7.6	0.2	0.1	0.2	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.2	0.5
9	Region 23	2.8	1.7	3.7	1.6	0.8	2.5	4.4	2.8	5.8	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2
6	Region 24	3.5	2.2	5.5	1.8	1.1	2.2	5.4	3.3	7.8	0.1	0.1	0.2	0.3	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.7	1.8
23	Region 25	3.9	1.6	7.4	1.2	0.2	3.7	5.1	2.7	8.3	0.1	0.0	0.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.4	2.1
11	Region 26	4.2	1.8	6.7	2.0	1.2	3.4	6.2	3.8	8.6	0.1	0.0	0.2	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.4	2.3
4	Region 27	4.0	3.5	4.9	2.9	1.3	3.8	6.9	5.2	8.7	0.1	0.0	0.2	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	1.4
35	Region 28	3.5	1.5	7.0	1.7	0.2	3.9	5.3	2.9	8.9	0.1	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.2	2.3
27	Region 29	3.4	1.7	5.5	1.7	1.0	2.8	5.1	3.4	7.9	0.1	0.1	0.2	0.1	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.4	2.2
8	Region 30	2.6	1.4	3.7	1.8	0.5	3.4	4.4	2.2	5.9	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.1
7	Region 31	4.8	4.1	5.5	1.5	1.1	2.1	6.3	5.4	6.8	0.1	0.1	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.2	1.8
8	Region 32	4.9	2.9	6.2	1.1	0.6	2.2	6.0	4.8	7.2	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.5	2.1
7	Region 34	4.2	3.4	5.6	1.4	0.7	1.7	5.6	4.6	6.4	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.9	1.7
5	Region 35	2.2	0.8	3.8	2.2	0.3	3.7	4.3	1.1	5.7	0.1	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.6
8	Region 36	3.2	2.1	4.0	1.3	1.0	1.6	4.6	3.3	5.6	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9	1.3
238	Ave YM 1	3.3	0.3	7.4	1.5	0.1	3.9	4.9	0.6	8.9	0.1	0.0	0.3	0.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	2.8
	Min YM 1	0.3	0.3	7.4	0.1	0.1	3.9	4.9	0.6	8.9	0.1	0.0	0.3	0.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	2.8
	Max YM 1	3.3	0.3	7.4	1.5	0.1	3.9	4.9	0.6	8.9	0.1	0.0	0.3	0.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	2.8
																										0.2	0.0	1.3

TABLE 3: RSA GRADING OF YELLOW MAIZE (2009/2010) (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.						
GRADE: YM 2																															
3	Region 12	9.0	4.6	12.9	1.5	1.1	2.2	10.5	5.7	15.1	0.1	0.1	0.2	1.0	0.2	2.3	11.7	8.1	15.7	0.0	0.0	0.0	3.5	1.8	5.8	1.1	0.4	1.6	0.7	0.2	0.9
1	Region 13	9.1	9.1	9.1	1.1	1.1	1.1	10.1	10.1	10.1	0.2	0.2	0.2	0.0	0.0	0.0	10.3	10.3	10.3	0.0	0.0	0.0	3.5	3.5	3.5	1.3	1.3	1.3	0.4	0.4	0.4
4	Region 14	9.2	7.3	13.0	1.6	1.0	2.1	10.8	9.0	14.0	0.2	0.1	0.2	0.2	0.0	0.4	11.2	9.2	14.6	0.0	0.0	0.0	3.1	2.4	4.0	0.9	0.7	1.3	0.6	0.2	1.2
1	Region 15	6.1	6.1	6.1	3.5	3.5	3.5	9.6	9.6	9.6	0.2	0.2	0.2	0.3	0.3	0.3	10.1	10.1	10.1	0.0	0.0	0.0	2.3	2.3	2.3	1.1	1.1	1.1	0.0	0.0	0.0
2	Region 16	9.9	7.7	12.1	2.3	1.5	3.1	12.2	10.8	13.6	0.2	0.1	0.2	0.1	0.0	0.2	12.5	11.3	13.8	0.0	0.0	0.0	3.6	2.4	4.8	1.0	0.8	1.2	0.4	0.2	0.6
2	Region 18	13.4	12.9	13.9	2.6	2.1	3.2	16.0	16.0	16.0	0.2	0.2	0.3	0.0	0.0	0.0	16.2	16.1	16.3	0.0	0.0	0.0	6.6	4.4	8.8	1.2	0.5	1.8	0.7	0.0	1.3
2	Region 19	7.2	7.1	7.2	2.3	2.2	2.3	9.5	9.4	9.5	0.3	0.2	0.3	0.8	0.0	1.7	10.5	9.7	11.4	0.0	0.0	0.0	2.8	2.8	2.8	0.9	0.7	1.1	0.3	0.2	0.4
3	Region 20	10.4	7.4	12.2	2.3	2.0	2.9	12.8	10.3	14.2	0.2	0.2	0.2	0.2	0.0	0.4	13.2	10.7	14.5	0.0	0.0	0.0	3.4	2.7	3.9	1.6	1.1	2.0	0.7	0.2	0.9
1	Region 21	10.3	10.3	10.3	3.0	3.0	3.0	13.3	13.3	13.3	0.2	0.2	0.2	0.0	0.0	0.0	13.6	13.6	13.6	0.0	0.0	0.0	3.7	3.7	3.7	1.4	1.4	1.4	0.9	0.9	0.9
1	Region 22	11.9	11.9	11.9	2.5	2.5	2.5	14.4	14.4	14.4	0.2	0.2	0.2	0.0	0.0	0.0	14.6	14.6	14.6	0.0	0.0	0.0	5.0	5.0	5.0	1.8	1.8	1.8	1.1	1.1	1.1
1	Region 23	5.9	5.9	5.9	6.6	6.6	6.6	12.5	12.5	12.5	0.2	0.2	0.2	0.6	0.6	0.6	13.3	13.3	13.3	0.0	0.0	0.0	2.9	2.9	2.9	0.4	0.4	0.4	0.2	0.2	0.2
1	Region 24	6.4	6.4	6.4	2.8	2.8	2.8	9.2	9.2	9.2	0.2	0.2	0.2	1.1	1.1	1.1	10.6	10.6	10.6	0.0	0.0	0.0	2.4	2.4	2.4	0.9	0.9	0.9	0.5	0.5	0.5
8	Region 25	7.7	5.1	10.4	3.0	1.1	4.2	10.7	9.3	11.9	0.2	0.2	0.3	0.1	0.0	0.5	11.0	9.6	12.4	0.0	0.0	0.0	2.0	1.3	3.2	1.3	0.6	2.6	0.8	0.4	1.5
6	Region 26	8.0	6.7	10.1	2.5	1.5	4.2	10.5	8.9	14.3	0.2	0.2	0.3	0.1	0.0	0.4	10.8	9.5	14.6	0.0	0.0	0.0	2.4	1.9	3.1	1.0	0.6	1.5	0.4	0.2	0.9
6	Region 27	9.0	5.9	12.5	2.6	2.1	3.0	11.6	8.6	14.6	0.2	0.1	0.3	0.1	0.0	0.6	11.9	9.5	15.0	0.0	0.0	0.0	2.9	2.1	3.7	1.6	1.1	2.3	0.8	0.0	1.8
28	Region 28	9.0	2.2	16.9	2.9	1.1	8.4	11.9	8.5	18.7	0.2	0.0	0.4	0.1	0.0	1.0	12.2	8.7	19.9	0.0	0.0	0.0	2.9	0.2	5.7	1.5	0.3	3.7	0.9	0.0	3.3
13	Region 29	9.0	6.8	14.4	1.7	0.7	3.9	10.7	8.4	15.3	0.2	0.1	0.3	0.3	0.0	1.3	11.2	9.1	16.4	0.0	0.0	0.0	3.0	1.8	7.0	1.2	0.2	2.7	0.7	0.2	1.6
4	Region 30	6.2	4.4	7.2	3.1	2.3	4.2	9.3	8.6	10.0	0.2	0.1	0.3	0.3	0.0	0.6	9.8	8.9	10.7	0.0	0.0	0.0	1.8	1.1	2.3	0.8	0.7	0.9	0.4	0.4	0.5
6	Region 31	7.0	3.9	9.7	2.2	1.5	3.1	9.1	5.3	12.4	0.2	0.2	0.2	1.4	0.0	4.2	10.7	9.6	12.6	0.0	0.0	0.0	2.5	0.9	4.0	0.9	0.5	1.3	0.1	0.0	0.4
1	Region 32	2.7	2.7	2.7	8.7	8.7	8.7	11.4	11.4	11.4	0.1	0.1	0.1	1.1	1.1	1.1	12.6	12.6	12.6	0.0	0.0	0.0	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
3	Region 34	10.4	7.1	13.0	1.3	0.3	2.1	11.7	9.2	13.2	0.2	0.1	0.3	0.0	0.0	0.0	11.9	9.5	13.4	0.0	0.0	0.0	4.5	3.1	6.7	1.1	0.9	1.3	0.3	0.0	0.6
97	Ave YM2	8.6			2.6			11.2			0.2			0.3			11.7			0.0			2.9			1.2			0.7		
	Min YM2	2.2			0.3			5.3			0.0			0.0			8.1			0.0			0.2			0.2			0.0		
	Max YM2	16.9			8.7			18.7			0.4			4.2			19.9			0.0			8.8			3.7			3.3		

TABLE 3: RSA GRADING OF YELLOW MAIZE (2009/2010) (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.						
GRADE: YM3																															
1	Region 12	19.3	19.3	19.3	2.6	2.6	2.6	21.9	21.9	21.9	0.2	0.2	0.2	0.4	0.4	0.4	22.5	22.5	22.5	0.0	0.0	0.0	10.6	10.6	10.6	2.2	2.2	2.2	1.3	1.3	1.3
1	Region 13	23.8	23.8	23.8	1.0	1.0	1.0	24.8	24.8	24.8	0.2	0.2	0.2	0.0	0.0	0.0	25.0	25.0	25.0	0.0	0.0	0.0	10.8	10.8	10.8	3.5	3.5	3.5	0.9	0.9	0.9
1	Region 20	17.7	17.7	17.7	2.3	2.3	2.3	20.0	20.0	20.0	0.3	0.3	0.3	0.5	0.5	0.5	20.8	20.8	20.8	0.0	0.0	0.0	7.5	7.5	7.5	2.4	2.4	2.4	0.9	0.9	0.9
1	Region 26	4.3	4.3	4.3	12.9	12.9	12.9	17.2	17.2	17.2	0.3	0.3	0.3	0.4	0.4	0.4	17.9	17.9	17.9	0.0	0.0	0.0	1.6	1.6	1.6	0.8	0.8	0.8	0.2	0.2	0.2
1	Region 28	20.8	20.8	20.8	2.2	2.2	2.2	23.0	23.0	23.0	0.2	0.2	0.2	0.6	0.6	0.6	23.8	23.8	23.8	0.0	0.0	0.0	5.3	5.3	5.3	2.8	2.8	2.8	0.8	0.8	0.8
1	Region 36	16.9	16.9	16.9	2.0	2.0	2.0	18.9	18.9	18.9	0.3	0.3	0.3	1.4	1.4	1.4	20.5	20.5	20.5	0.0	0.0	0.0	7.8	7.8	7.8	1.6	1.6	1.6	0.9	0.9	0.9
6	Ave YM3	17.1			3.8			21.0			0.2			0.6			21.8			0.0			7.3			2.2			0.8		
	Min YM3	4.3			1.0			17.2			0.2			0.0			17.9			0.0			1.6			0.8			0.2		
	Max YM3	23.8			12.9			24.8			0.3			1.4			25.0			0.0			10.8			3.5			1.3		
GRADE: COM																															
1	Region 30	3.5	3.5	3.5	0.8	0.8	0.8	4.4	4.4	4.4	4.1	4.1	4.1	0.4	0.4	0.4	8.9	8.9	8.9	0.0	0.0	0.0	0.7	0.7	0.7	0.5	0.5	0.5	0.4	0.4	0.4
1	Ave COM	3.5			0.8			4.4			4.1			0.4			8.9			0.0			0.7			0.5			0.4		
	Min COM	3.5			0.8			4.4			4.1			0.4			8.9			0.0			0.7			0.5			0.4		
	Max COM	3.5			0.8			4.4			4.1			0.4			8.9			0.0			0.7			0.5			0.4		
342	Ave yellow maize	5.1			1.9			6.9			0.2			0.1			7.2			0.0			1.6			0.8			0.3		
	Min yellow maize	0.3			0.1			0.6			0.0			0.0			0.6			0.0			0.0			0.0			0.0		
	Max yellow maize	23.8			12.9			24.8			4.1			4.2			25.0			0.0			10.8			3.7			3.3		
800	Ave maize	5.1			1.7			6.7			0.1			0.2			7.1			0.0			1.6			0.8			0.2		
	Min maize	0.3			0.1			0.6			0.0			0.0			0.6			0.0			0.0			0.0			0.0		
	Max maize	40.1			14.0			41.3			4.1			6.5			41.4			0.0			10.8			3.7			3.3		