

TABLE 2: RSA GRADING OF WHITE MAIZE (2008/2009)

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: WM 1																															
1	Region 11	1.8	1.8	1.8	0.1	0.1	0.1	1.9	1.9	1.9	0.0	0.0	0.0	0.5	0.5	0.5	2.3	2.3	2.3	0.0	0.0	0.0	0.2	0.2	0.2	0.6	0.6	0.6	0.2	0.2	0.2
13	Region 12	2.0	0.4	3.6	1.4	0.4	2.7	3.4	1.2	4.7	0.1	0.0	0.2	0.2	0.0	1.1	3.7	1.3	5.7	0.0	0.0	0.0	0.1	0.0	0.3	0.7	0.0	1.7	0.2	0.0	0.6
16	Region 13	2.9	2.2	4.7	1.0	0.4	1.6	3.9	2.7	6.2	0.1	0.1	0.3	0.3	0.0	1.4	4.3	2.8	7.8	0.0	0.0	0.0	0.2	0.0	0.5	0.5	0.0	1.2	0.3	0.0	0.7
35	Region 14	2.0	0.8	3.4	1.9	0.3	3.8	4.0	2.1	5.7	0.1	0.0	0.2	0.1	0.0	0.6	4.2	2.2	6.0	0.0	0.0	0.0	0.1	0.0	0.4	0.5	0.0	1.3	0.1	0.0	0.6
23	Region 15	1.9	1.1	2.6	1.8	1.2	2.6	3.7	2.9	4.6	0.2	0.1	0.3	0.1	0.0	0.5	3.9	3.0	4.8	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.8	0.0	0.0	0.2
38	Region 16	2.4	0.9	4.4	1.0	0.1	2.7	3.4	1.0	6.9	0.1	0.0	0.3	0.1	0.0	0.8	3.7	1.0	7.8	0.0	0.0	0.0	0.1	0.0	0.4	0.4	0.0	1.0	0.1	0.0	0.5
31	Region 17	2.5	1.0	4.0	2.0	0.7	4.8	4.4	2.1	6.4	0.2	0.1	0.3	0.1	0.0	0.4	4.7	2.5	6.9	0.0	0.0	0.4	0.2	0.0	0.7	0.6	0.0	1.1	0.1	0.0	0.5
10	Region 18	1.4	0.5	2.2	2.4	1.3	4.7	3.8	2.8	5.1	0.2	0.1	0.3	0.2	0.0	0.5	4.1	3.2	5.4	0.0	0.0	0.3	0.1	0.0	0.4	0.2	0.0	0.6	0.0	0.0	0.3
6	Region 19	3.4	2.9	4.0	1.4	0.9	2.0	4.8	4.0	6.0	0.2	0.1	0.3	0.3	0.0	0.7	5.4	4.5	6.9	0.0	0.0	0.0	0.3	0.2	0.4	0.7	0.5	1.1	0.1	0.0	0.3
15	Region 20	2.5	1.3	3.7	1.1	0.4	1.8	3.7	2.1	5.1	0.1	0.0	0.2	0.3	0.0	1.1	4.0	2.3	6.0	0.0	0.0	0.0	0.2	0.0	0.4	0.6	0.0	1.2	0.1	0.0	0.5
24	Region 21	2.4	1.1	4.6	1.6	0.9	2.9	4.1	2.3	6.7	0.2	0.1	0.3	0.2	0.0	0.7	4.4	2.5	7.4	0.0	0.0	0.4	0.2	0.0	0.5	0.7	0.0	1.4	0.1	0.0	0.4
19	Region 22	2.0	0.5	4.2	1.5	0.8	2.4	3.5	2.1	5.3	0.2	0.1	0.3	0.1	0.0	0.4	3.7	2.3	5.4	0.0	0.0	0.0	0.2	0.0	0.5	0.5	0.0	1.0	0.1	0.0	0.5
27	Region 23	1.5	0.9	2.7	1.6	1.0	3.1	3.1	1.9	4.8	0.2	0.1	0.2	0.1	0.0	0.4	3.4	2.0	4.9	0.0	0.0	0.0	0.1	0.0	0.5	0.2	0.0	0.6	0.1	0.0	0.4
16	Region 24	2.0	0.9	3.6	1.2	0.5	2.2	3.2	2.2	5.2	0.1	0.1	0.2	0.1	0.0	0.7	3.4	2.3	5.4	0.0	0.0	0.2	0.1	0.0	0.4	0.2	0.0	0.7	0.1	0.0	0.3
11	Region 25	1.9	0.7	5.2	1.5	0.2	4.1	3.3	2.2	5.3	0.1	0.0	0.2	0.3	0.0	1.1	3.8	2.6	5.3	0.0	0.0	0.0	0.1	0.0	0.4	0.1	0.0	0.6	0.0	0.0	0.2
17	Region 26	2.6	1.7	4.2	1.2	0.2	2.6	3.8	2.7	6.7	0.1	0.0	0.2	0.2	0.0	0.7	4.1	2.7	7.7	0.0	0.0	0.0	0.1	0.0	0.4	0.6	0.3	1.0	0.2	0.0	0.6
6	Region 27	2.4	1.0	3.3	1.8	1.3	2.3	4.2	2.7	5.2	0.2	0.1	0.2	0.1	0.0	0.2	4.5	2.8	5.4	0.0	0.0	0.0	0.1	0.0	0.3	0.7	0.0	1.1	0.2	0.0	0.5
22	Region 28	2.7	1.6	5.4	1.5	0.0	3.0	4.3	1.8	7.0	0.1	0.0	0.2	0.2	0.0	0.8	4.6	1.8	7.7	0.0	0.0	0.0	0.1	0.0	0.3	0.9	0.2	2.3	0.2	0.0	0.5
28	Region 29	2.0	0.7	5.8	1.6	0.5	3.8	3.5	1.5	6.6	0.1	0.0	0.3	0.2	0.0	1.0	3.8	1.5	7.6	0.0	0.0	0.0	0.1	0.0	0.3	0.5	0.0	1.6	0.2	0.0	0.7
18	Region 30	2.3	1.4	5.4	1.8	0.6	2.7	4.1	2.2	6.8	0.2	0.1	0.2	0.2	0.0	1.1	4.4	2.3	6.9	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	1.0	0.2	0.0	0.7
12	Region 31	2.2	1.6	2.9	1.1	0.5	1.8	3.2	2.5	4.2	0.1	0.0	0.3	0.3	0.0	0.8	3.6	3.0	4.3	0.0	0.0	0.0	0.1	0.0	0.3	0.5	0.0	0.7	0.1	0.0	0.3
18	Region 32	1.8	0.5	3.8	1.4	0.2	2.8	3.2	1.5	5.3	0.1	0.0	0.2	0.3	0.0	0.8	3.6	1.5	5.8	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0	1.7	0.1	0.0	0.5
1	Region 33	0.9	0.9	0.9	0.7	0.7	0.7	1.7	1.7	1.7	0.1	0.1	0.1	0.2	0.2	0.2	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.0	0.0	0.0
10	Region 34	2.2	1.4	3.7	1.2	0.7	1.6	3.3	2.3	5.3	0.2	0.1	0.3	0.1	0.0	0.3	3.6	2.5	5.5	0.0	0.0	0.0	0.1	0.0	0.4	0.6	0.0	1.4	0.2	0.0	0.6
9	Region 35	2.1	0.7	4.0	1.7	0.6	2.9	3.8	1.7	6.8	0.2	0.0	0.3	0.2	0.0	0.6	4.2	2.0	7.6	0.0	0.0	0.0	0.1	0.0	0.2	0.4	0.0	1.2	0.1	0.0	0.2
14	Region 36	2.9	1.1	5.7	2.0	0.3	2.9	4.9	1.4	7.0	0.2	0.1	0.3	0.2	0.0	0.8	5.2	1.9	7.1	0.0	0.0	0.0	0.1	0.0	0.4	0.7	0.0	1.9	0.2	0.0	0.6
440	Ave WM 1	2.2	0.4	5.8	1.5	0.1	4.8	3.7	1.0	7.0	0.1	0.0	0.3	0.2	0.0	1.4	4.0	1.0	7.8	0.0	0.0	0.4	0.1	0.0	0.7	0.5	0.0	2.3	0.1	0.0	0.6
	Min WM 1				0.1																										0.0
	Max WM 1				4.8							0.3		1.4								0.4									0.7

TABLE 2: RSA GRADING OF WHITE MAIZE (2008/2009) (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.
GRADE: WM 2																															
2	Region 12	6.1	4.7	7.5	1.9	1.8	2.1	8.1	6.8	9.3	0.2	0.2	0.3	0.6	0.2	1.0	8.9	8.1	9.7	0.0	0.0	0.0	0.3	0.2	0.5	1.6	1.1	2.1	0.6	0.4	0.9
1	Region 13	5.8	5.8	5.8	1.3	1.3	1.3	7.1	7.1	7.1	0.2	0.2	0.2	0.3	0.3	0.3	7.6	7.6	7.6	0.0	0.0	0.0	0.4	0.4	0.4	1.4	1.4	1.4	0.6	0.6	0.6
1	Region 14	2.4	2.4	2.4	5.1	5.1	5.1	7.5	7.5	7.5	0.3	0.3	0.3	0.0	0.0	0.0	7.7	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.2	0.2	0.2
2	Region 15	5.4	5.0	5.9	2.0	1.6	2.4	7.4	7.3	7.5	0.2	0.1	0.3	0.3	0.0	0.6	7.9	7.6	8.3	0.0	0.0	0.0	0.2	0.0	0.3	1.9	1.7	2.1	0.4	0.3	0.5
2	Region 16	5.5	3.8	7.2	1.8	0.3	3.3	7.3	7.1	7.5	0.1	0.0	0.3	0.2	0.2	0.2	7.6	7.5	7.7	0.0	0.0	0.0	0.4	0.4	0.4	1.3	0.8	1.8	0.1	0.0	0.2
2	Region 17	7.1	6.9	7.2	2.1	1.0	3.3	9.2	8.2	10.2	0.2	0.1	0.3	0.0	0.0	0.0	9.4	8.3	10.5	0.0	0.0	0.0	0.7	0.6	0.8	1.6	1.4	1.9	0.7	0.5	0.8
3	Region 19	7.0	5.9	7.9	2.0	1.3	2.6	9.0	7.2	10.6	0.3	0.2	0.3	1.4	0.3	3.2	10.6	7.7	12.6	0.0	0.0	0.0	0.6	0.5	0.7	2.7	2.5	3.0	0.8	0.4	1.1
2	Region 20	5.7	5.5	6.0	1.5	1.3	1.7	7.2	7.1	7.2	0.2	0.1	0.2	0.3	0.0	0.7	7.7	7.3	8.1	0.0	0.0	0.0	0.4	0.3	0.5	1.1	0.9	1.4	0.3	0.2	0.3
3	Region 23	5.7	5.4	6.0	1.8	1.2	2.3	7.5	7.1	8.1	0.2	0.1	0.2	0.5	0.0	1.1	8.1	7.3	8.6	0.3	0.0	0.6	0.5	0.4	0.6	1.2	0.9	1.5	0.2	0.2	0.3
1	Region 25	3.3	3.3	3.3	1.8	1.8	1.8	5.1	5.1	5.1	0.2	0.2	0.2	4.6	4.6	4.6	9.9	9.9	9.9	0.0	0.0	0.0	0.4	0.4	0.4	0.9	0.9	0.9	0.2	0.2	0.2
2	Region 26	6.8	5.6	7.9	3.6	2.3	4.9	10.4	7.9	12.8	0.2	0.2	0.2	0.3	0.2	0.3	10.8	8.4	13.2	0.0	0.0	0.0	0.3	0.2	0.3	1.6	1.0	2.3	0.8	0.8	0.9
3	Region 28	5.3	2.9	7.8	3.2	1.4	5.3	8.5	7.9	9.3	0.1	0.1	0.2	0.9	0.0	1.4	9.4	8.3	10.9	0.0	0.0	0.0	0.5	0.3	0.6	1.8	1.0	3.1	0.6	0.5	0.8
3	Region 29	3.5	1.1	6.6	2.9	1.2	5.5	6.4	3.3	8.2	0.2	0.2	0.2	1.7	0.0	5.0	8.3	7.9	8.4	0.0	0.0	0.0	0.1	0.0	0.2	1.1	0.2	2.2	0.4	0.2	0.7
4	Region 30	7.0	5.7	8.4	2.0	0.8	2.9	9.0	8.5	9.9	0.2	0.1	0.3	0.0	0.0	0.0	9.3	8.7	10.0	0.0	0.0	0.0	0.3	0.2	0.3	2.3	1.5	3.2	0.7	0.5	0.9
1	Region 32	7.0	7.0	7.0	0.2	0.2	0.2	7.2	7.2	7.2	0.1	0.1	0.1	0.5	0.5	0.5	7.8	7.8	7.8	0.0	0.0	0.0	1.2	1.2	1.2	0.7	0.7	0.7	0.2	0.2	0.2
2	Region 34	7.0	6.6	7.3	1.6	1.5	1.8	8.6	8.1	9.1	0.2	0.1	0.2	0.2	0.0	0.3	8.9	8.6	9.3	0.0	0.0	0.0	0.8	0.6	1.0	2.4	2.2	2.5	1.3	1.3	1.3
2	Region 36	4.7	2.0	7.4	1.5	1.1	1.9	6.2	3.0	9.3	0.3	0.2	0.5	0.9	0.6	1.3	7.5	4.8	10.1	0.0	0.0	0.0	0.2	0.0	0.4	1.6	0.6	2.6	0.2	0.0	0.4
36	Ave WM 2	5.8			2.2			7.9			0.2			0.7			8.8			0.0			0.4			1.7			0.5		
	Min WM 2		1.1			0.2		3.0			0.0			0.0			4.8			0.0			0.0			0.2			0.0		
	Max WM 2			8.4			5.5	12.8			0.5			5.0			13.2			0.6			1.2			3.2			1.3		

TABLE 2: RSA GRADING OF WHITE MAIZE (2008/2009) (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.
GRADE: WM 3																															
1	Region 16	16.1	16.1	16.1	1.8	1.8	1.8	17.9	17.9	17.9	0.2	0.2	0.2	2.1	2.1	2.1	20.2	20.2	20.2	0.0	0.0	0.0	0.4	0.4	0.4	2.6	2.6	2.6	0.2	0.2	0.2
1	Region 19	11.2	11.2	11.2	2.0	2.0	2.0	13.2	13.2	13.2	0.2	0.2	0.2	1.4	1.4	1.4	14.8	14.8	14.8	0.0	0.0	0.0	0.9	0.9	0.9	4.5	4.5	4.5	0.8	0.8	0.8
1	Region 25	11.9	11.9	11.9	2.2	2.2	2.2	14.0	14.0	14.0	0.3	0.3	0.3	0.9	0.9	0.9	15.2	15.2	15.2	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	Region 36	16.9	16.9	16.9	0.8	0.8	0.8	17.7	17.7	17.7	0.1	0.1	0.1	0.0	0.0	0.0	17.8	17.8	17.8	0.0	0.0	0.0	1.6	1.6	1.6	4.2	4.2	4.2	2.1	2.1	2.1
4	Ave WM3	14.0	11.7	15.7	1.7	0.8	2.2	15.7	13.2	17.9	0.2	0.1	0.3	1.1	0.0	2.1	17.0	14.8	20.2	0.0	0.0	0.0	0.7	0.0	1.6	2.8	0.0	4.5	0.8	0.0	2.1
GRADE: COM																															
2	Region 17	4.5	1.6	7.5	3.0	2.0	4.0	7.5	5.6	9.5	2.5	1.1	4.0	0.6	0.4	0.8	10.7	10.4	11.0	0.0	0.0	0.0	0.4	0.0	0.8	0.8	0.0	1.5	0.5	0.0	0.9
1	Region 28	2.4	2.4	2.4	0.0	0.0	0.0	2.4	2.4	2.4	0.9	0.9	0.9	0.0	0.0	0.0	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0
3	Ave COM	3.8	1.6	7.5	2.0	0.0	4.0	5.8	2.4	9.5	2.0	0.9	4.0	0.4	0.0	0.8	8.3	3.3	11.0	0.0	0.0	0.0	0.3	0.0	0.8	0.8	0.8	1.5	0.3	0.0	0.9
483 Ave white maize																															
	Min white maize	2.6	0.4	16.9	1.6	0.0	5.5	4.2	1.0	17.9	0.2	0.0	4.0	0.2	0.0	5.0	4.5	1.0	20.2	0.0	0.0	0.6	0.1	0.0	1.6	0.6	0.0	4.5	0.2	0.0	2.1
	Max white maize	2.5	0.4	16.9	1.8	0.0	10.6	4.2	0.9	17.9	0.2	0.0	4.0	0.2	0.0	5.0	4.6	0.9	29.6	0.0	0.0	0.6	0.1	0.0	1.6	0.6	0.0	4.5	0.1	0.0	2.5