

TABLE 2: RSA GRADING OF WHITE 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.																
GRADE: WM 1																							
1	Region 08	2.7	2.7	2.7	1.6	1.6	1.6	4.3	4.3	0.0	0.0	0.0	4.3	4.3	0.0	0.0	0.0	0.8	0.8	0.3	0.3	0.0	0.0
9	Region 12	3.6	2.7	5.1	1.4	0.5	3.2	5.0	3.7	6.8	0.1	0.1	0.3	5.5	4.1	7.8	0.0	0.0	1.4	0.9	0.6	0.0	0.3
13	Region 13	3.3	2.8	3.7	1.4	1.1	2.1	4.7	3.9	5.5	0.1	0.0	0.2	4.9	4.3	6.5	0.0	0.0	1.1	0.9	0.6	0.4	0.0
14	Region 14	3.6	2.2	5.9	1.4	0.5	2.6	5.0	3.1	6.7	0.2	0.1	0.3	5.2	3.4	7.3	0.0	0.0	1.2	0.4	0.8	0.4	0.1
4	Region 15	4.7	4.5	4.9	1.3	1.1	1.5	6.0	5.6	6.3	0.1	0.0	0.2	6.2	5.7	6.6	0.0	0.0	2.1	2.0	0.8	0.7	0.0
9	Region 16	5.0	3.5	6.0	1.0	0.5	1.8	6.0	4.9	7.0	0.1	0.0	0.2	6.4	5.4	7.7	0.0	0.0	2.0	0.9	0.6	0.4	0.2
22	Region 17	4.0	2.1	5.7	1.6	0.4	2.2	5.5	3.2	7.0	0.1	0.0	0.2	6.0	3.3	7.2	0.0	0.0	1.5	0.6	0.7	0.4	0.1
14	Region 18	4.0	3.3	4.8	1.8	1.1	3.3	5.8	4.5	7.0	0.2	0.0	0.3	6.2	4.6	7.6	0.0	0.0	1.4	1.0	0.8	0.4	0.2
11	Region 19	3.7	2.4	4.7	2.2	1.4	3.6	5.8	4.2	6.9	0.2	0.0	0.3	6.3	4.4	7.5	0.0	0.0	1.5	0.8	0.8	0.0	0.2
7	Region 20	4.0	2.9	5.3	1.8	0.4	2.7	5.8	4.5	7.0	0.2	0.0	0.2	6.3	5.1	7.6	0.0	0.0	1.4	1.0	0.9	0.4	0.0
8	Region 21	3.1	2.3	3.8	1.8	1.2	2.9	4.9	3.9	6.7	0.2	0.0	0.3	5.4	4.0	7.7	0.0	0.0	1.5	1.0	0.8	0.4	0.3
8	Region 22	3.1	1.7	5.2	1.6	0.6	1.9	4.6	2.8	7.0	0.2	0.0	0.2	5.1	3.0	8.0	0.0	0.0	1.2	0.6	0.5	0.0	0.0
13	Region 23	3.3	1.5	5.1	1.3	0.5	1.9	4.7	2.7	6.7	0.1	0.0	0.2	4.9	2.8	6.9	0.0	0.0	1.2	0.4	0.7	0.3	0.2
12	Region 24	3.5	2.0	4.8	1.8	1.1	2.5	5.2	3.6	6.5	0.2	0.0	0.2	5.5	3.7	6.7	0.0	0.0	1.2	0.4	0.8	0.4	0.1
6	Region 25	3.7	2.1	5.1	1.8	0.7	2.6	5.4	3.9	6.8	0.2	0.0	0.2	5.8	4.1	7.3	0.0	0.0	1.3	0.7	0.8	0.3	0.3
6	Region 26	2.5	1.9	3.4	1.4	0.6	1.9	3.9	3.3	4.9	0.2	0.0	0.2	4.1	3.5	5.1	0.0	0.0	0.8	0.4	0.5	0.2	0.0
1	Region 27	3.1	3.1	3.1	1.3	1.3	1.3	4.4	4.4	4.4	0.2	0.0	0.2	4.9	4.9	4.9	0.0	0.0	1.4	1.4	0.4	0.4	0.0
19	Region 28	2.5	0.5	6.0	1.0	0.1	2.1	3.5	0.9	6.8	0.1	0.0	0.2	3.7	0.9	7.8	0.0	0.0	0.9	0.0	0.6	0.0	0.1
7	Region 30	3.3	2.3	5.0	1.0	0.5	1.7	4.3	3.2	5.8	0.1	0.0	0.2	4.6	3.4	7.1	0.0	0.0	0.8	0.4	0.4	0.2	0.0
2	Region 31	2.5	2.2	2.8	1.5	1.4	1.5	3.9	3.6	4.3	0.2	0.2	0.2	4.8	4.5	5.1	0.0	0.0	1.0	0.9	0.3	0.0	0.0
16	Region 32	3.2	2.1	4.8	1.3	0.7	2.5	4.5	3.2	6.3	0.2	0.0	0.3	4.8	3.4	6.7	0.0	0.0	1.2	0.8	0.8	0.4	0.1
16	Region 33	3.1	2.0	4.6	1.7	1.3	2.7	4.8	3.4	6.0	0.2	0.0	0.3	5.2	3.6	6.7	0.0	0.0	1.3	0.8	0.6	0.3	0.2
28	Region 34	4.0	2.3	5.6	1.2	0.4	3.2	5.2	3.2	6.9	0.1	0.0	0.2	5.7	3.6	7.7	0.0	0.0	1.6	0.3	0.7	0.0	0.1
5	Region 35	3.6	2.0	5.7	1.6	0.4	3.3	5.1	2.5	6.9	0.1	0.0	0.2	5.6	2.5	7.9	0.0	0.0	1.4	0.6	0.5	0.2	0.1
13	Region 36	2.6	1.5	4.0	1.5	0.2	3.8	4.1	2.0	5.9	0.2	0.0	0.3	4.5	2.1	7.2	0.0	0.0	0.8	0.4	0.4	0.0	0.1
264	Ave WM 1	3.5			1.5			4.9			0.1			5.3			0.0		1.3		0.7		0.1
	Min WM 1	0.5			0.1			0.9			0.0			0.9			0.0		0.0		0.0		0.0
	Max WM 1	6.0			3.8			7.0			0.3			8.0			0.0		3.4		2.0		0.9

TABLE 2: RSA GRADING OF WHITE 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.
GRADE: WM 2																															
11	Region 12	5.9	4.5	9.3	3.0	1.3	4.3	8.9	7.2	11.6	0.2	0.1	0.3	0.6	0.0	1.1	9.7	7.4	13.0	0.0	0.0	0.0	2.2	1.4	3.9	1.1	0.7	1.9	0.3	0.0	0.5
14	Region 13	7.3	4.2	10.2	2.3	1.0	4.4	9.5	7.2	12.2	0.2	0.1	0.3	0.4	0.0	1.0	10.1	8.1	12.8	0.0	0.0	0.0	2.9	1.3	4.9	1.5	0.5	2.7	0.4	0.0	0.7
13	Region 14	6.3	3.9	10.8	2.3	0.4	4.5	8.6	5.1	11.2	0.2	0.1	0.3	0.4	0.0	2.8	9.2	7.4	11.9	0.0	0.0	0.0	2.9	1.3	4.7	1.1	0.6	3.1	0.4	0.0	0.6
5	Region 15	8.6	6.8	9.6	2.0	1.3	2.5	10.6	8.1	12.0	0.2	0.2	0.2	0.1	0.0	0.4	10.9	8.4	12.3	0.0	0.0	0.0	3.9	2.3	5.3	1.3	1.0	1.7	0.2	0.0	0.4
5	Region 16	8.4	6.1	11.1	1.7	1.1	3.3	10.1	9.2	12.6	0.2	0.1	0.2	0.0	0.0	0.0	10.2	9.3	12.7	0.0	0.0	0.0	3.7	2.1	5.3	1.1	0.8	1.5	0.3	0.0	0.6
6	Region 17	7.9	4.5	10.7	2.4	2.0	3.1	10.3	7.1	12.6	0.3	0.2	0.4	0.4	0.0	1.0	11.0	7.3	13.9	0.0	0.0	0.0	3.8	1.6	5.6	1.5	0.5	2.6	0.1	0.0	0.6
5	Region 18	7.7	6.2	9.6	2.2	0.8	3.1	9.9	7.9	11.3	0.2	0.2	0.2	1.1	0.0	3.2	11.2	9.2	14.7	0.0	0.0	0.0	2.5	2.1	3.3	2.1	0.7	3.1	0.4	0.3	0.5
11	Region 19	6.9	3.9	8.6	2.7	0.8	4.8	9.6	7.4	11.7	0.2	0.1	0.4	0.4	0.0	0.9	10.3	7.6	12.2	0.0	0.0	0.0	2.7	0.9	4.1	1.4	0.5	2.3	0.5	0.0	0.9
3	Region 20	7.4	6.3	9.2	1.5	0.9	1.9	8.9	8.3	10.1	0.2	0.1	0.3	0.4	0.4	0.4	9.6	9.0	10.7	0.0	0.0	0.0	3.1	1.7	4.5	2.1	1.3	2.7	0.4	0.3	0.4
1	Region 21	5.0	5.0	5.0	2.1	2.1	2.1	7.1	7.1	7.1	0.2	0.2	0.2	0.5	0.5	0.5	7.9	7.9	7.9	0.0	0.0	0.0	1.7	1.7	1.7	1.6	1.6	1.6	0.3	0.3	0.3
2	Region 22	5.5	5.3	5.7	1.5	1.3	1.7	7.0	7.0	7.0	0.2	0.2	0.3	1.3	1.3	1.4	8.6	8.5	8.6	0.0	0.0	0.0	3.0	3.0	3.0	1.0	0.9	1.2	0.0	0.0	0.0
11	Region 23	7.1	4.6	9.3	1.6	0.9	2.7	8.6	7.3	10.3	0.2	0.1	0.4	0.3	0.0	1.1	9.1	7.7	11.2	0.0	0.0	0.0	2.4	1.8	3.1	1.9	0.7	3.6	0.3	0.0	0.7
9	Region 24	6.6	5.1	8.6	2.1	1.5	2.9	8.7	7.1	11.5	0.2	0.2	0.3	0.3	0.0	1.4	9.2	7.7	11.7	0.0	0.0	0.0	2.5	1.1	3.8	1.5	0.6	2.3	0.5	0.0	0.9
12	Region 25	6.3	4.3	8.0	2.2	0.8	4.3	8.5	5.6	11.0	0.2	0.1	0.5	0.8	0.0	3.4	9.6	7.2	13.7	0.0	0.0	0.0	2.4	1.4	3.1	1.3	0.5	2.2	0.2	0.0	0.6
4	Region 26	6.4	4.1	8.3	2.1	1.0	3.6	8.5	7.7	9.3	0.3	0.2	0.3	0.8	0.0	1.1	9.5	8.0	10.3	0.0	0.0	0.0	2.9	1.8	3.9	1.0	0.4	1.6	0.4	0.0	0.8
1	Region 27	4.5	4.5	4.5	2.5	2.5	2.5	7.0	7.0	7.0	0.2	0.2	0.2	1.0	1.0	1.0	8.2	8.2	8.2	0.0	0.0	0.0	2.6	2.6	2.6	0.5	0.5	0.5	0.0	0.0	0.0
6	Region 28	4.5	3.0	7.2	2.6	2.2	3.1	7.1	5.4	9.8	0.2	0.2	0.3	1.3	0.0	3.4	8.7	8.0	10.9	0.0	0.0	0.0	1.6	0.9	2.7	1.3	0.9	2.0	0.3	0.0	0.7
1	Region 33	8.4	8.4	8.4	1.2	1.2	1.2	9.6	9.6	9.6	0.2	0.2	0.2	0.6	0.6	0.6	10.3	10.3	10.3	0.0	0.0	0.0	2.9	2.9	2.9	1.2	1.2	1.2	0.9	0.9	0.9
3	Region 34	6.7	6.4	7.3	1.2	0.6	1.7	7.9	7.7	8.1	0.1	0.1	0.2	0.8	0.6	0.9	8.8	8.5	9.1	0.0	0.0	0.0	2.8	2.5	3.4	0.6	0.4	0.8	0.3	0.0	0.4
2	Region 36	7.0	4.4	9.6	2.3	0.6	4.0	9.3	8.4	10.2	0.1	0.0	0.2	0.2	0.0	0.4	9.6	9.0	10.2	0.0	0.0	0.0	2.6	1.1	4.2	1.8	0.8	2.7	0.3	0.0	0.6
125	Ave WM 2	6.8			2.2			9.0			0.2			0.5			9.7			0.0		2.7			1.4			0.3			
	Min WM 2	3.0			0.4			5.1			0.0			0.0			7.2			0.0		0.9			0.4			0.0			
	Max WM 2			11.1			4.8			12.6			0.5			3.4			14.7			5.6			3.6			0.9			

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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 12	10.3	10.3	10.3	2.8	2.8	2.8	13.1	13.1	13.1	0.3	0.3	0.3	0.9	0.9	0.9	14.3	14.3	14.3	0.0	0.0	0.0	3.6	3.6	3.6	2.6	2.6	2.6	0.9	0.9	0.9
2	Region 13	14.5	12.5	16.4	2.3	2.2	2.3	16.7	14.8	18.6	0.2	0.2	0.2	0.7	0.4	0.9	17.6	15.4	19.7	0.0	0.0	0.0	6.0	4.9	7.1	2.9	2.2	3.5	1.1	0.4	1.8
4	Region 14	12.7	10.8	16.2	2.0	0.1	3.3	14.7	13.4	16.3	0.2	0.0	0.4	0.4	0.0	0.7	15.3	13.6	17.0	0.0	0.0	0.0	5.3	3.5	6.7	2.7	2.1	3.6	0.8	0.6	0.9
1	Region 15	13.2	13.2	13.2	1.1	1.1	1.1	14.3	14.3	14.3	0.5	0.5	0.5	0.9	0.9	0.9	15.7	15.7	15.7	0.0	0.0	0.0	7.2	7.2	7.2	1.7	1.7	1.7	0.9	0.9	0.9
2	Region 17	11.9	11.0	12.8	1.8	1.3	2.2	13.7	13.2	14.1	0.2	0.1	0.2	0.8	0.4	1.1	14.6	14.6	14.7	0.0	0.0	0.0	4.9	4.1	5.7	3.0	1.8	4.3	0.6	0.5	0.6
2	Region 18	11.9	10.2	13.6	2.5	1.6	3.3	14.4	13.6	15.2	0.2	0.2	0.3	0.5	0.4	0.6	15.2	14.3	16.0	0.0	0.0	0.0	4.3	4.0	4.7	3.6	2.7	4.5	0.9	0.8	1.0
3	Region 19	11.7	7.6	14.8	3.8	1.3	7.0	15.5	14.6	16.1	0.2	0.2	0.3	0.3	0.0	0.5	16.0	15.3	16.4	0.0	0.0	0.0	4.9	2.4	6.3	2.0	1.8	2.1	0.5	0.0	0.8
3	Region 20	12.5	6.7	20.6	5.7	1.0	9.1	18.3	15.8	21.6	0.3	0.2	0.3	0.7	0.0	1.2	19.2	17.3	21.8	0.0	0.0	0.0	6.1	2.0	11.1	2.6	1.1	5.1	0.8	0.5	1.1
3	Region 23	14.5	14.3	14.7	2.5	1.8	3.2	17.0	16.5	17.7	0.2	0.2	0.2	0.4	0.0	0.8	17.6	17.3	17.9	0.0	0.0	0.0	6.9	6.4	7.3	2.5	2.2	2.7	0.0	0.0	0.0
21	Ave WM3	12.7			2.9			15.6			0.2			0.6			16.4			0.0			5.5			2.6			0.7		
	Min WM3	6.7			0.1			13.1			0.0			0.0			13.6			0.0			2.0			1.1			0.0		
	Max WM3	20.6			9.1			21.6			0.5			1.2			21.8			0.0			11.1			5.1			1.8		
GRADE: COM																															
1	Region 19	27.7	27.7	2.7	13.3	13.3	13.3	41.0	41.0	41.0	0.4	0.4	0.4	0.0	0.0	0.0	41.4	41.4	41.4	0.0	0.0	0.0	15.9	15.9	15.9	6.7	6.7	6.7	1.9	1.9	1.9
1	Region 20	67.1	67.1	67.1	4.5	4.5	4.5	71.5	71.5	71.5	0.3	0.3	0.3	23.2	23.2	23.2	95.1	95.1	95.1	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.5	0.5	0.0	0.0	0.0
1	Region 25	7.3	7.3	7.3	5.5	5.5	5.5	12.8	12.8	12.8	0.8	0.8	0.8	3.5	3.5	3.5	17.1	17.1	17.1	0.0	0.0	0.0	2.9	2.9	2.9	0.9	0.9	0.9	0.4	0.4	0.4
3	Ave COM	34.0			7.8			41.8			0.5			8.9			51.2			0.0			6.5			2.7			0.8		
	Min COM	7.3			4.5			12.8			0.3			0.0			17.1			0.0			0.6			0.5			0.0		
	Max COM	67.1			13.3			71.5			0.8			23.2			95.1			0.0			15.9			6.7			1.9		
413	Ave white maize	5.2			1.8			7.0			0.2			0.4			7.5			0.0			2.0			1.0			0.2		
	Min white maize	0.5			0.1			0.9			0.0			0.0			0.9			0.0			0.0			0.0			0.0		
	Max white maize	67.1			13.3			71.5			0.8			23.2			95.1			0.0			15.9			6.7			1.9		
693	Ave maize	5.0			1.9			6.9			0.2			0.3			7.4			0.0			2.0			1.0			0.2		
	Min maize	0.5			0.1			0.9			0.0			0.0			0.9			0.0			0.0			0.0			0.0		
	Max maize	67.1			13.3			71.5			0.8			23.2			95.1			0.0			18.0			7.4			2.3		