

TABLE 2: RSA GRADING OF WHITE MAIZE (2012/2013)

Number of samples	Region	% Defective Kernels						% Total defective		% Foreign matter		% Other Colour		% Total Deviations		% 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: WM1																																	
3	Region 11	1.0	0.3	1.4	2.5	1.0	4.3	3.5	2.5	4.6	0.0	0.0	0.1	0.7	0.6	0.8	4.2	3.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.8	0.4	0.0	0.8
5	Region 12	1.8	1.2	2.5	1.3	0.6	2.4	3.1	1.8	4.4	0.1	0.0	0.2	0.0	0.0	0.2	3.3	1.9	4.6	0.1	0.0	0.2	0.6	0.4	0.8	0.9	0.5	1.5	1.5	1.1	1.9		
5	Region 13	1.8	0.4	3.1	3.1	2.0	4.5	4.9	3.4	6.9	0.1	0.0	0.2	0.1	0.0	0.2	5.0	3.5	6.9	0.0	0.0	0.0	0.7	0.2	1.1	0.7	0.3	1.4	1.4	0.4	2.5		
14	Region 14	2.5	0.7	4.6	2.2	0.2	4.8	4.7	2.4	7.0	0.0	0.0	0.1	0.2	0.0	0.6	4.9	2.4	7.5	0.0	0.0	0.2	0.6	0.0	3.1	1.3	0.0	3.6	1.9	0.0	4.6		
8	Region 15	3.3	2.2	4.5	1.9	0.4	2.4	5.1	3.2	6.3	0.1	0.0	0.3	0.0	0.0	0.2	5.2	3.5	6.3	0.0	0.0	0.0	0.5	0.4	0.6	1.5	0.7	2.2	2.0	1.2	2.7		
16	Region 16	2.6	0.9	3.8	2.5	0.7	4.6	5.1	3.4	6.9	0.1	0.0	0.2	0.1	0.0	0.5	5.3	3.5	7.2	0.0	0.0	0.7	0.6	0.0	1.3	1.7	0.2	3.2	2.3	0.2	3.8		
7	Region 17	1.5	1.2	2.3	1.8	1.4	2.6	3.3	2.7	4.9	0.0	0.0	0.1	0.1	0.0	0.2	3.5	2.8	4.9	0.2	0.0	0.6	0.5	0.0	0.7	0.7	0.2	1.7	1.1	0.6	2.3		
11	Region 18	2.6	1.0	6.2	1.7	0.6	3.2	4.3	2.7	6.8	0.0	0.0	0.2	0.1	0.0	0.4	4.5	2.8	6.8	0.0	0.0	0.0	0.8	0.3	1.6	1.0	0.2	3.1	1.8	0.5	4.5		
10	Region 19	2.0	0.7	3.1	1.5	0.3	2.4	3.5	1.8	4.8	0.0	0.0	0.1	0.4	0.0	1.9	3.9	1.8	5.3	0.0	0.0	0.2	0.7	0.2	1.4	1.0	0.4	1.9	1.7	0.6	3.0		
7	Region 20	2.5	1.3	3.9	1.6	1.2	2.2	4.1	3.5	5.2	0.0	0.0	0.0	0.2	0.0	0.6	4.3	3.5	5.2	0.2	0.0	0.5	0.8	0.2	1.8	1.1	0.5	2.0	1.9	0.9	3.9		
34	Region 21	1.4	0.0	4.1	2.0	0.8	4.0	3.4	1.8	6.5	0.0	0.0	0.2	0.1	0.0	1.3	3.5	1.9	7.2	0.0	0.0	0.3	0.4	0.0	1.6	0.6	0.0	1.8	1.0	0.0	3.2		
29	Region 22	1.9	0.7	5.8	2.0	0.8	4.0	4.0	1.8	7.0	0.0	0.0	0.3	0.1	0.0	0.5	4.1	1.8	7.6	0.0	0.0	0.6	0.5	0.0	1.2	0.9	0.3	3.3	1.5	0.5	4.3		
49	Region 23	2.2	0.7	4.3	1.7	0.2	4.7	3.9	1.7	7.0	0.0	0.0	0.3	0.1	0.0	1.8	4.1	1.7	7.2	0.1	0.0	0.7	0.6	0.0	1.7	1.0	0.1	1.9	1.5	0.5	3.4		
24	Region 24	2.1	1.1	3.0	2.2	1.2	3.6	4.3	3.3	5.6	0.0	0.0	0.2	0.0	0.0	0.5	4.4	3.3	5.6	0.0	0.0	0.2	0.5	0.0	1.1	1.0	0.2	1.6	1.4	0.2	2.2		
5	Region 25	1.8	1.3	2.8	2.3	0.4	4.8	4.1	1.9	6.5	0.0	0.0	0.1	0.2	0.0	0.5	4.4	1.9	7.0	0.1	0.0	0.3	0.6	0.2	1.0	0.8	0.1	1.1	1.4	0.7	1.9		
14	Region 26	1.8	0.8	3.3	2.1	1.2	3.1	3.9	2.5	5.1	0.0	0.0	0.2	0.3	0.0	1.4	4.3	2.5	5.4	0.0	0.0	0.3	0.5	0.1	1.0	0.7	0.0	1.9	1.2	0.4	2.6		
4	Region 27	1.5	0.5	2.8	2.8	2.2	3.8	4.4	3.2	5.0	0.0	0.0	0.1	0.5	0.0	1.6	4.9	3.3	6.5	0.0	0.0	0.0	0.2	0.0	0.7	1.0	0.3	2.3	1.2	0.3	2.3		
14	Region 28	1.9	0.7	4.4	1.1	0.2	2.8	3.0	1.0	5.9	0.0	0.0	0.0	0.2	0.0	1.0	3.2	1.2	5.9	0.2	0.0	0.7	0.3	0.0	1.5	0.9	0.0	2.9	1.2	0.0	4.3		
15	Region 29	1.9	0.7	4.0	1.2	0.3	2.0	3.1	1.0	5.4	0.0	0.0	0.1	0.1	0.0	0.3	3.2	1.0	5.7	0.0	0.0	0.3	0.5	0.0	1.7	1.0	0.0	4.0	1.5	0.0	4.0		
19	Region 30	2.5	1.1	4.8	1.1	0.3	1.9	3.6	1.8	5.7	0.0	0.0	0.2	0.3	0.0	2.2	3.8	1.8	5.7	0.1	0.0	0.8	0.9	0.0	2.3	0.9	0.0	2.2	1.8	0.9	3.4		
26	Region 31	2.1	0.0	3.9	1.4	0.5	2.7	3.5	0.9	5.9	0.0	0.0	0.2	0.5	0.0	2.9	4.1	1.2	5.9	0.0	0.0	0.1	0.6	0.0	1.9	0.9	0.0	2.0	1.5	0.0	2.9		
30	Region 32	2.3	0.7	4.3	1.7	0.5	2.9	3.9	2.1	5.6	0.0	0.0	0.3	0.2	0.0	0.9	4.2	2.1	6.5	0.0	0.0	0.2	0.6	0.0	2.7	0.9	0.0	2.3	1.6	0.0	4.2		
28	Region 33	2.4	0.9	3.9	1.8	0.3	4.4	4.2	1.2	6.3	0.1	0.0	0.3	0.2	0.0	0.9	4.4	2.1	6.7	0.1	0.0	0.8	0.9	0.0	3.0	0.9	0.0	2.4	1.9	0.0	3.7		
34	Region 34	2.3	0.5	5.4	1.5	0.2	3.1	3.8	1.4	7.0	0.0	0.0	0.1	0.2	0.0	1.0	4.0	1.7	7.3	0.0	0.0	0.6	0.6	0.0	2.3	1.0	0.1	3.0	1.7	0.1	4.5		
6	Region 35	2.1	0.5	4.0	1.6	0.2	3.2	3.7	1.0	6.0	0.0	0.0	0.1	0.1	0.0	0.2	3.8	1.1	6.0	0.0	0.0	0.0	0.7	0.0	2.4	1.1	0.5	2.5	1.8	0.5	3.7		
14	Region 36	2.9	1.4	4.7	1.3	0.2	4.3	4.2	2.7	6.3	0.0	0.0	0.1	0.1	0.0	1.0	4.3	2.7	6.4	0.0	0.0	0.3	1.1	0.0	2.7	1.3	0.4	3.8	2.4	1.3	4.4		
431	Ave. WM1	2.2	0.0	6.2	1.8	0.2	4.8	3.9	0.9	7.0	0.0	0.0	0.3	0.2	0.0	2.9	4.1	1.0	7.6	0.0	0.0	0.8	0.6	0.0	3.1	1.0	0.0	4.0	1.6	0.0	4.6		
	Min. WM1	0.0			0.2			0.9			0.0		0.3	0.0		2.9	1.0		7.6	0.0	0.8	0.0		3.1		0.0	4.0		0.0	4.6			
	Max. WM1			6.2			4.8			7.0																							

TABLE 2: RSA GRADING OF WHITE MAIZE (2012/2013) (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.			
GRADE: WM2																												
1	Region 11	0.7	-	-	3.3	-	-	4.0	-	-	0.0	-	-	8.5	-	-	0.0	-	-	0.0	-	-	0.7	-	-			
3	Region 12	7.1	5.6	8.7	1.5	1.1	1.9	8.6	7.5	10.1	0.1	0.1	0.1	8.7	7.7	10.2	0.2	0.0	0.5	2.2	1.8	2.5	3.8	3.0	5.0	6.0	5.2	7.1
5	Region 13	3.9	1.9	5.4	5.2	3.3	6.4	9.0	8.3	10.0	0.1	0.0	0.2	9.6	8.3	10.6	0.1	0.0	0.2	0.9	0.5	1.7	2.5	0.8	3.8	3.4	1.3	5.4
2	Region 14	2.4	2.4	2.5	4.7	2.5	7.0	7.2	5.0	9.4	0.2	0.0	0.5	7.5	5.7	9.4	0.0	0.0	0.0	0.6	0.3	1.0	1.4	1.3	1.6	2.1	1.6	2.5
2	Region 15	7.1	7.0	7.2	3.9	2.9	4.9	11.0	10.1	12.0	0.0	0.0	0.1	11.1	10.1	12.1	0.0	0.0	0.0	0.8	0.6	0.9	3.0	2.2	3.7	3.7	3.1	4.4
2	Region 17	5.5	5.1	5.9	3.9	2.8	5.0	9.4	8.7	10.2	0.3	0.0	0.5	9.7	8.7	10.7	0.0	0.0	0.0	1.1	0.9	1.2	4.1	3.9	4.3	5.2	5.1	5.2
2	Region 18	7.4	3.7	11.0	2.6	1.5	3.7	10.0	7.5	12.5	0.1	0.0	0.2	10.3	8.1	12.5	0.0	0.0	0.0	2.1	0.8	3.4	5.2	2.9	7.5	7.3	3.7	10.9
1	Region 19	7.5	-	-	2.3	-	-	9.8	-	-	0.2	-	-	12.3	-	-	0.0	-	-	2.0	-	-	4.0	-	-	6.0	-	-
3	Region 20	6.1	5.1	6.8	2.3	2.1	2.6	8.3	7.8	8.9	0.0	0.0	0.0	9.0	8.6	9.2	0.1	0.0	0.3	2.8	1.8	4.4	2.7	2.2	3.6	5.4	4.0	6.7
1	Region 21	0.8	-	-	9.0	-	-	9.8	-	-	0.0	-	-	10.5	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
3	Region 22	3.0	0.9	7.0	1.9	1.7	2.0	4.9	2.6	9.0	0.3	0.0	0.4	5.2	3.1	9.0	0.1	0.0	0.2	0.7	0.0	2.0	1.6	0.9	2.9	2.2	0.9	4.9
4	Region 23	3.0	0.6	6.5	1.9	1.3	2.3	4.9	1.9	8.2	0.3	0.0	0.5	5.2	2.4	8.2	0.1	0.0	0.3	1.1	0.3	2.4	0.7	0.3	1.0	1.8	0.6	3.0
3	Region 25	2.0	1.5	2.8	5.4	2.7	8.4	7.4	4.2	10.1	0.2	0.0	0.4	8.0	5.7	10.2	0.0	0.0	0.0	0.5	0.4	0.6	1.0	0.7	1.4	1.4	1.1	2.0
4	Region 26	4.6	1.7	9.8	4.9	2.0	11.4	9.5	5.2	13.0	0.1	0.0	0.4	11.0	7.8	13.9	0.1	0.0	0.2	1.5	0.0	4.1	2.3	0.7	5.4	3.8	0.7	9.5
1	Region 27	3.3	-	-	9.0	-	-	12.3	-	-	0.1	-	-	14.1	-	-	0.0	-	-	0.8	-	-	0.8	-	-	1.6	-	-
1	Region 29	1.9	-	-	0.3	-	-	2.2	-	-	0.0	-	-	6.9	-	-	0.0	-	-	0.6	-	-	0.8	-	-	1.4	-	-
2	Region 31	4.0	1.8	6.3	1.2	1.1	1.2	5.2	2.9	7.5	0.3	0.2	0.3	8.6	6.3	11.0	0.0	0.0	0.0	1.9	0.0	3.7	0.9	0.8	1.0	2.8	1.0	4.5
3	Region 32	6.8	6.0	8.1	1.7	1.2	2.1	8.5	7.2	9.8	0.0	0.0	0.0	8.8	7.7	9.8	0.0	0.0	0.0	2.5	1.2	3.9	4.0	3.5	4.6	6.5	5.8	7.8
6	Region 33	3.7	0.9	9.6	3.9	1.3	7.4	7.6	3.2	11.2	0.2	0.0	0.5	8.9	5.5	11.3	0.1	0.0	0.4	1.4	0.2	5.3	1.3	0.4	3.5	2.7	0.9	8.7
5	Region 34	6.6	3.1	11.2	1.9	1.0	3.2	8.5	4.9	13.0	0.1	0.0	0.4	9.6	6.9	13.0	0.1	0.0	0.2	2.6	1.0	6.2	2.5	1.0	4.1	5.1	2.3	9.5
1	Region 35	5.8	-	-	2.5	-	-	8.4	-	-	0.1	-	-	8.7	-	-	0.0	-	-	0.7	-	-	4.0	-	-	4.7	-	-
5	Region 36	6.8	2.6	11.5	2.4	0.4	4.6	9.2	7.2	11.9	0.0	0.0	0.2	9.4	7.2	12.4	0.0	0.0	0.1	1.9	0.8	5.2	3.4	0.9	5.5	5.3	2.2	10.7
60	Ave. WM2	4.8			3.3			8.0			0.1			8.9			0.1			1.5			2.3			3.8		
	Min. WM2	0.6			0.3			1.9			0.0			2.4			0.0			0.0			0.0			0.0		
	Max. WM2	11.5			11.4			13.0			0.5			14.1			0.5			6.2			7.5			10.9		

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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.			
GRADE: WM3																												
2	Region 13	6.4	4.5	8.4	7.7	6.5	8.9	14.1	13.4	14.9	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.6	0.3	0.8	2.8	2.5	3.2	3.4	2.8	4.0		
1	Region 16	2.7	-	-	1.2	-	-	3.9	-	-	0.6	-	-	0.2	-	-	0.0	-	0.9	-	1.1	-	-	2.1	-	-		
2	Region 17	4.2	2.1	6.3	6.0	2.9	9.1	10.2	5.0	15.4	0.6	0.6	0.7	1.1	0.0	2.3	0.0	0.0	0.7	3.2	1.8	4.7	3.6	1.8	5.4			
1	Region 19	8.9	-	-	4.5	-	-	13.4	-	-	0.1	-	-	0.0	-	-	0.0	-	2.0	-	6.2	-	-	8.2	-	-		
1	Region 22	3.7	-	-	2.3	-	-	6.0	-	-	0.7	-	-	0.0	-	-	0.0	-	1.1	-	1.7	-	-	2.8	-	-		
1	Region 24	3.1	-	-	1.6	-	-	4.7	-	-	0.6	-	-	0.0	-	-	0.0	-	1.0	-	0.9	-	-	2.0	-	-		
1	Region 25	2.2	-	-	1.8	-	-	4.1	-	-	0.1	-	-	6.5	-	-	0.0	-	0.0	-	1.7	-	-	1.7	-	-		
1	Region 29	12.7	-	-	1.7	-	-	14.4	-	-	0.1	-	-	0.4	-	-	0.0	-	1.3	-	11.4	-	-	12.7	-	-		
1	Region 31	1.7	-	-	3.8	-	-	5.5	-	-	0.7	-	-	0.0	-	-	0.0	-	0.5	-	0.9	-	-	1.4	-	-		
2	Region 34	16.3	11.9	20.8	1.5	1.3	1.8	17.9	13.7	22.0	0.0	0.0	0.0	0.4	0.3	0.4	0.1	0.0	0.1	7.3	4.5	10.1	6.8	4.5	9.0	14.1	9.0	19.2
13	Ave. WM3	6.8			3.6			10.5			0.4			0.8			0.0		1.8		3.8			5.6				
	Min. WM3	1.7			1.2			3.9			0.0			0.0			0.0		0.0		0.9			1.4				
	Max. WM3						9.1			22.0			0.7			6.5			10.1					11.4			19.2	
CLASS: COM																												
2	Region 23	3.6	2.1	5.2	2.0	1.9	2.1	5.6	3.9	7.3	0.9	0.9	0.9	0.7	0.0	1.5	0.0	0.0	0.0	0.1	0.0	0.3	2.2	0.5	3.9	2.3	0.5	4.2
1	Region 25	4.9	-	-	5.1	-	-	10.1	-	-	1.5	-	-	0.5	-	-	0.0	-	1.4	-	1.9	-	-	3.2	-	-		
1	Region 32	1.9	-	-	1.7	-	-	3.6	-	-	0.8	-	-	0.5	-	-	0.0	-	0.0	-	0.8	-	-	0.8	-	-		
4	Ave. COM	3.5			2.7			6.2			1.0			0.6			0.0		0.4		1.8			2.2				
	Min. COM	1.9			1.7			3.6			0.8			0.0			0.0		0.0		0.5			0.5				
	Max. COM						5.1			10.1			1.5			1.5			1.4				12.1			4.2		
508 Ave. white maize																												
	Min. white maize	2.6			2.0			4.6			0.1			0.3			0.0		0.7		1.2			2.0				
	Max. white maize				0.2			0.9			0.0			0.0			0.0		0.0		0.0			0.0				
	1000 Ave. maize	2.3			2.3			4.6			0.1			0.3			0.0		0.6		1.1			1.7				
	Min. maize	0.0			0.1			0.8			0.0			0.0			0.0		0.0		0.0			0.0				
	Max. maize						14.0			25.0			1.8			8.4			10.1				25.0			20.9		