

TABLE 3: RSA GRADING OF WHITE MAIZE ACCORDING TO GRADE (2018/19)

Number of samples	Region	% Defective Kernels				% Total defective		% Foreign matter		% Other Colour		% Combined Deviations		% Pinked Kernels		% Diplodia Kernels		% Fusarium Kernels		% Cobrot Kernels											
		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.										
		min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.										
GRADE: WM1																															
4	Region 11	1.2	0.5	1.6	1.1	0.6	2.1	2.3	1.2	3.5	0.0	0.0	0.1	0.1	0.0	0.3	2.4	1.5	3.8	0.4	0.0	1.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	
9	Region 12	2.3	0.3	6.0	0.5	0.1	1.4	2.8	0.4	6.2	0.0	0.0	0.2	0.2	0.0	1.2	3.1	0.6	6.2	0.4	0.0	1.4	0.0	0.0	0.0	0.2	0.0	1.4	0.2	0.0	1.4
7	Region 13	3.3	1.7	4.6	1.4	0.9	2.2	4.7	3.2	5.9	0.0	0.0	0.1	0.9	0.0	2.4	5.6	4.2	7.0	0.1	0.0	0.4	0.3	0.0	1.4	0.1	0.0	0.5	0.4	0.0	1.4
13	Region 14	3.1	1.3	4.6	1.0	0.0	4.5	4.1	1.6	6.8	0.0	0.0	0.1	0.1	0.0	1.1	4.2	1.6	6.8	0.3	0.0	2.1	0.1	0.0	0.4	0.1	0.0	0.4	0.2	0.0	0.4
2	Region 15	3.2	2.7	3.8	0.5	0.3	0.7	3.8	3.4	4.1	0.1	0.0	0.2	0.0	0.0	0.0	3.9	3.6	4.1	0.6	0.0	1.3	0.8	0.0	1.7	0.2	0.0	0.3	1.0	0.0	2.0
4	Region 16	3.1	2.5	4.3	2.0	0.1	3.9	5.1	2.6	6.8	0.0	0.0	0.0	0.4	0.0	1.0	5.5	3.7	6.8	0.2	0.0	0.7	0.0	0.0	0.0	0.1	0.0	0.4	0.1	0.0	0.4
10	Region 17	2.5	1.2	4.5	1.3	0.1	3.7	3.8	2.6	5.8	0.0	0.0	0.1	0.9	0.0	2.8	4.8	3.1	6.8	0.2	0.0	1.6	0.3	0.0	1.1	0.1	0.0	0.4	0.3	0.0	1.1
4	Region 18	2.5	2.1	2.9	1.9	1.0	2.8	4.4	3.1	5.6	0.1	0.0	0.2	0.9	0.6	1.2	5.4	4.4	6.3	0.2	0.0	0.4	0.2	0.0	0.4	0.2	0.0	0.5	0.3	0.0	0.5
9	Region 19	2.7	1.7	4.5	1.3	0.8	2.2	4.0	2.5	5.9	0.1	0.0	0.2	1.2	0.0	2.6	5.3	4.2	7.3	0.3	0.0	1.8	0.1	0.0	0.8	0.2	0.0	0.7	0.4	0.0	1.2
10	Region 20	3.0	1.2	5.3	0.9	0.4	1.7	3.9	2.2	6.3	0.0	0.0	0.3	0.8	0.0	2.8	4.7	2.2	7.1	0.6	0.0	1.6	0.2	0.0	0.9	0.2	0.0	0.7	0.4	0.0	0.9
16	Region 21	3.0	1.6	5.0	1.3	0.4	3.5	4.4	2.3	6.6	0.0	0.0	0.2	0.5	0.0	3.0	4.9	2.3	7.3	0.1	0.0	1.5	0.3	0.0	1.2	0.3	0.0	1.0	0.6	0.0	1.5
8	Region 22	4.6	3.7	5.8	1.0	0.6	1.4	5.7	4.7	6.8	0.0	0.0	0.1	0.2	0.0	0.5	5.9	5.2	7.1	0.2	0.0	1.0	0.3	0.0	2.0	0.3	0.0	0.8	0.5	0.0	2.0
7	Region 23	4.0	1.6	5.0	1.2	0.6	1.9	5.2	2.9	6.9	0.1	0.0	0.1	0.3	0.0	1.9	5.6	3.2	6.9	0.3	0.0	1.2	0.0	0.0	0.0	0.3	0.0	0.6	0.3	0.0	0.6
6	Region 24	3.8	1.5	5.3	0.8	0.4	1.1	4.5	2.4	5.7	0.1	0.0	0.3	0.1	0.0	0.2	4.7	2.4	5.8	0.2	0.0	0.7	0.1	0.0	0.4	0.4	0.0	1.1	0.5	0.0	1.1
4	Region 26	2.2	2.0	2.8	1.2	0.5	3.0	3.5	2.5	5.1	0.0	0.0	0.0	0.6	0.0	1.0	4.1	3.1	6.0	0.4	0.0	1.4	0.2	0.0	0.4	0.0	0.0	0.2	0.2	0.0	0.4
2	Region 27	2.3	1.6	2.9	1.4	1.0	1.8	3.7	3.4	3.9	0.2	0.2	0.2	0.2	0.0	0.4	4.1	4.1	4.1	0.0	0.0	0.0	0.3	0.0	0.6	0.1	0.0	0.1	0.4	0.1	0.6
9	Region 28	2.6	1.0	6.2	0.8	0.4	1.9	3.3	1.7	6.7	0.0	0.0	0.2	0.3	0.0	0.8	3.7	1.7	6.8	0.0	0.0	0.3	0.6	0.0	2.3	0.2	0.0	1.2	0.8	0.0	2.3
13	Region 29	1.6	0.4	3.5	1.3	0.4	4.3	3.0	1.3	5.1	0.0	0.0	0.2	0.4	0.0	2.2	3.4	1.5	6.3	0.1	0.0	1.0	0.2	0.0	1.0	0.1	0.0	0.6	0.3	0.0	1.6
20	Region 30	3.1	1.3	5.7	1.0	0.2	2.8	4.1	2.6	5.9	0.0	0.0	0.2	0.5	0.0	2.3	4.6	3.1	7.0	0.1	0.0	1.5	0.6	0.0	1.9	0.3	0.0	0.8	0.9	0.0	1.9
5	Region 31	1.7	0.6	2.7	1.0	0.6	1.6	2.6	1.5	3.3	0.0	0.0	0.1	0.5	0.0	1.6	3.1	1.9	3.9	0.1	0.0	0.2	0.4	0.0	0.7	0.1	0.0	0.3	0.5	0.2	1.0
7	Region 32	2.0	1.4	3.0	1.8	0.7	2.5	3.9	2.1	5.2	0.0	0.0	0.2	0.2	0.0	0.4	4.1	2.1	5.5	0.2	0.0	0.5	0.4	0.0	1.3	0.1	0.0	0.5	0.5	0.0	1.3
17	Region 33	3.0	1.9	4.4	0.8	0.2	1.5	3.9	2.5	5.3	0.0	0.0	0.2	0.4	0.0	2.5	4.3	2.6	7.5	0.1	0.0	1.4	0.4	0.0	1.8	0.2	0.0	1.0	0.6	0.0	1.8
26	Region 34	1.9	0.8	5.7	1.4	0.0	4.0	3.3	1.3	6.7	0.0	0.0	0.3	0.3	0.0	1.0	3.6	1.3	7.4	0.3	0.0	4.1	0.1	0.0	1.6	0.1	0.0	1.3	0.3	0.0	1.6
7	Region 35	1.9	0.2	3.7	1.2	0.5	2.0	3.1	1.2	4.5	0.0	0.0	0.2	0.4	0.0	1.0	3.5	1.5	4.8	0.5	0.0	2.9	0.2	0.0	0.7	0.3	0.0	1.4	0.5	0.0	2.1
14	Region 36	3.4	1.1	5.9	1.0	0.1	4.9	4.5	1.8	6.5	0.0	0.0	0.2	0.1	0.0	1.1	4.6	1.8	7.2	0.3	0.0	3.3	0.5	0.0	1.1	0.6	0.0	2.0	1.1	0.0	3.0
233	Ave. WM1	2.7			1.2			3.9			0.0			0.4			4.3			0.2			0.3			0.2		0.5			
	Min. WM1	0.2			0.0			0.4			0.0			0.0			0.6			0.0			0.0			0.0		0.0			
	Max. WM1	6.2			4.9			6.9			0.3			3.0			7.5			4.1			2.3			2.0		3.0			

TABLE 3: RSA GRADING OF WHITE MAIZE ACCORDING TO GRADE (2018/19) (continue)

Number of samples	Region	% Defective Kernels				% Total defective		% Foreign matter		% Other Colour		% Combined Deviations		% Pinked Kernels		% Diplodia Kernels		% Fusarium Kernels		% Cobrot Kernels												
		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.											
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.										
GRADE: WM2																																
5	Region 13	6.4	3.8	9.1	2.8	1.1	5.4	9.2	7.6	10.8	0.1	0.0	0.4	0.9	0.6	1.0	10.2	8.7	11.8	0.3	0.0	1.4	0.1	0.0	0.5	0.2	0.0	0.8	0.3	0.0	0.8	
9	Region 14	7.2	4.7	11.2	1.9	0.3	4.5	9.0	6.1	12.3	0.2	0.0	0.5	0.3	0.0	2.3	9.5	6.7	12.3	0.3	0.0	0.9	0.3	0.0	1.3	0.2	0.0	0.8	0.6	0.0	1.4	
1	Region 15	6.9	6.9	6.9	0.6	0.6	0.6	7.5	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	7.5	7.5	7.5	0.5	0.5	0.5	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	
1	Region 16	4.2	4.2	4.2	7.4	7.4	7.4	11.6	11.6	11.6	0.0	0.0	0.0	0.0	0.0	0.0	11.6	11.6	11.6	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 17	6.5	6.0	7.0	2.6	1.2	4.3	9.0	8.2	11.1	0.0	0.0	0.0	1.2	0.3	2.9	10.2	8.4	14.0	0.6	0.0	1.3	0.9	0.0	1.5	0.5	0.0	0.9	1.3	0.6	2.2	
6	Region 18	3.7	0.2	7.3	3.9	1.2	6.6	7.5	4.9	9.4	0.1	0.0	0.5	1.8	0.0	4.6	9.4	7.6	10.5	0.6	0.0	2.4	0.5	0.0	1.5	0.5	0.0	1.3	1.0	0.0	1.9	
1	Region 19	8.8	8.8	8.8	1.5	1.5	1.5	10.3	10.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0	10.3	10.3	10.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Region 20	3.3	3.1	3.5	4.4	3.5	5.7	7.7	6.6	9.1	0.0	0.0	0.0	1.5	0.4	2.8	9.3	7.9	10.4	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
2	Region 21	3.9	3.3	4.6	3.4	1.9	5.0	7.4	6.5	8.3	0.3	0.0	0.5	0.1	0.0	0.3	7.8	7.0	8.5	0.1	0.0	0.2	1.2	0.0	2.4	0.2	0.0	0.4	1.4	0.4	2.4	
16	Region 22	6.5	3.7	8.5	2.3	0.6	5.2	8.7	5.6	12.9	0.1	0.0	0.5	0.5	0.0	2.2	9.4	6.1	13.4	0.2	0.0	0.8	0.3	0.0	1.9	0.2	0.0	0.6	0.5	0.0	1.9	
12	Region 23	6.6	5.1	9.1	2.2	0.7	4.2	8.8	6.2	13.0	0.1	0.0	0.5	0.2	0.0	1.2	9.0	6.7	13.0	0.4	0.0	1.6	0.1	0.0	0.5	0.1	0.0	0.3	0.1	0.0	0.5	
5	Region 24	8.2	0.8	11.6	2.5	0.2	8.1	10.7	8.4	12.6	0.1	0.0	0.2	0.3	0.0	1.1	11.1	8.4	13.7	0.1	0.0	0.3	0.3	0.0	0.9	0.8	0.0	1.8	1.1	0.0	2.4	
2	Region 26	7.1	3.0	11.1	0.9	0.7	1.1	7.9	4.1	11.8	0.2	0.0	0.4	0.5	0.4	0.7	8.7	5.1	12.2	0.1	0.0	0.2	0.7	0.4	1.0	0.2	0.0	0.4	0.9	0.4	1.4	
5	Region 28	5.8	2.3	10.3	0.6	0.5	0.8	6.5	3.1	10.8	0.0	0.0	0.0	2.9	0.4	4.7	9.3	6.4	11.1	1.1	0.0	5.2	1.3	0.0	5.4	0.4	0.0	0.8	1.6	0.2	5.7	
2	Region 29	4.2	3.9	4.5	3.0	1.5	4.5	7.2	6.0	8.4	0.3	0.0	0.5	1.9	0.0	3.7	9.4	9.0	9.8	1.3	0.0	2.7	0.0	0.0	0.0	0.4	0.2	0.7	0.4	0.2	0.7	
4	Region 30	7.9	3.7	9.7	0.9	0.2	1.6	8.8	5.3	10.9	0.1	0.0	0.5	1.1	0.0	3.9	10.0	6.2	13.8	0.1	0.0	0.2	1.6	1.0	2.5	1.7	0.3	2.9	3.3	2.1	4.5	
2	Region 31	11.1	9.3	12.9	0.4	0.2	0.7	11.5	10.0	13.0	0.0	0.0	0.0	0.2	0.0	0.3	11.7	10.0	13.4	0.7	0.0	1.3	0.3	0.0	0.5	2.3	1.3	3.4	2.6	1.9	3.4	
2	Region 32	4.7	4.3	5.2	2.3	2.1	2.4	7.0	6.4	7.6	0.2	0.0	0.5	0.5	0.2	0.8	7.8	7.7	7.8	0.3	0.2	0.3	0.5	0.0	1.1	0.4	0.0	0.9	1.0	0.9	1.1	
3	Region 33	7.0	3.2	11.3	2.3	0.6	4.7	9.4	7.1	13.0	0.0	0.0	0.0	0.6	0.1	1.7	10.0	7.2	14.7	0.2	0.0	0.5	4.0	0.8	9.3	0.2	0.0	0.7	4.2	1.4	9.3	
2	Region 34	3.8	1.4	6.3	2.0	1.0	2.9	5.8	4.3	7.3	0.3	0.3	0.4	0.4	0.1	0.6	6.5	4.8	8.2	0.0	0.0	0.1	0.2	0.0	0.4	0.9	0.1	1.7	1.1	0.1	2.2	
5	Region 36	6.3	4.0	7.6	2.0	0.4	4.3	8.3	7.2	9.0	0.0	0.0	0.0	0.6	0.0	1.0	8.9	8.2	10.0	0.3	0.0	0.7	2.0	0.8	3.1	0.4	0.0	0.9	2.4	0.8	4.1	
92	Ave. WM2	6.3	0.2	12.9	2.3	0.2	8.1	8.6	3.1	13.0	0.1	0.0	0.5	0.8	0.0	4.7	9.5	4.8	14.7	0.4	0.0	5.2	0.6	0.0	9.3	0.4	0.0	3.4	1.0	0.0	9.3	
	Min. WM2																															
	Max. WM2																															

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Number of samples	Region	% Defective Kernels				% Total defective		% Foreign matter		% Other Colour		% Combined 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.	ave.	min. max.																				
CLASS: COM																									
1	*Region 32	5.0	-	-	1.2	-	-	6.2	-	-	0.0	-	-	0.1	-	-	1.0	-	-	0.5	-	-	1.5	-	-
2	*Region 34	2.6	1.5	3.7	2.5	1.6	3.3	5.0	3.1	7.0	0.7	0.1	1.4	6.2	4.4	7.9	0.5	0.0	1.0	0.7	0.6	0.8	1.2	0.6	1.8
2	Region 35	43.5	2.6	84.4	6.6	0.9	12.3	50.0	3.4	96.7	0.6	0.1	1.1	50.6	4.5	96.8	0.0	0.0	0.0	0.4	0.0	0.7	0.4	0.0	0.7
2	Region 36	3.1	1.3	4.9	10.0	1.0	19.0	13.1	5.9	20.3	1.3	0.9	1.7	14.5	6.8	22.2	0.5	0.0	0.9	0.4	0.0	0.8	0.9	0.0	1.7
37	Ave. COM	27.4			3.6			31.0			0.9			32.5			0.2			0.2			0.4		
	Min. COM	1.3			0.4			3.0			0.0			3.1			0.0			0.0			0.0		
	Max. COM	88.5			19.0			96.7			4.2			96.8			3.0			0.8			3.4		
404	Ave. white maize	6.8			1.8			8.7			0.2			9.3			0.4			0.3			0.7		
	Min. white maize	0.2			0.0			0.4			0.0			0.6			0.0			0.0			0.0		
	Max. white maize	88.5			19.0			96.7			4.2			96.8			14.5			4.7			15.5		
808	Ave. maize	5.3			1.8			7.0			0.1			7.5			0.7			0.3			1.0		
	Min. maize	0.0			0.0			0.4			0.0			0.6			0.0			0.0			0.0		
	Max. maize	88.5			19.0			96.7			4.2			96.8			17.2			8.4			20.6		

*The following white maize samples were downgraded to Class Other Maize due to the presence of poisonous seeds exceeding the maximum allowance

Region	Number of Poisonous seeds (<i>Crotalaria</i> spp., <i>Datura</i> spp., <i>Ricinus communis</i>) Max. allowance 1 seed/1000 g	Number of Poisonous seeds (<i>Argemone mexicana</i> L., <i>Convolvulus</i> spp., <i>Ipomoea purpurea</i> Roth., <i>Lolium temulentum</i> , <i>Xanthium</i> spp.) Max. allowance 7 seeds/1000 g
13	6 <i>Datura</i> spp.	0
14	73 <i>Datura</i> spp.	0
17	34 <i>Datura</i> spp.	0
18	0	12 <i>Xanthium strumarium</i>
21	6 <i>Datura</i> spp.	0
32	0	52 <i>Ipomoea purpurea</i>
34	0	31 <i>Ipomoea purpurea</i>