

TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2020/21) (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.	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.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.																			
GRADE: YM2																																									
3	Region 10	0.9	0.5	1.6	4.7	1.5	6.2	5.6	2.2	7.8	0.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.5																	
2	Region 11	3.0	0.7	5.2	4.9	4.8	5.1	7.9	5.5	10.3	0.2	0.0	0.3	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															
1	Region 12	8.6	8.6	8.6	0.4	0.4	0.4	8.9	8.9	8.9	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2														
1	Region 13	1.3	1.3	1.3	2.3	2.3	2.3	3.6	3.6	3.6	0.5	0.5	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1														
1	Region 14	1.1	1.1	1.1	4.2	4.2	4.2	5.3	5.3	5.3	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4														
1	Region 16	0.9	0.9	0.9	2.8	2.8	2.8	3.7	3.7	3.7	0.4	0.4	0.4	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	0.0														
1	Region 18	1.9	1.9	1.9	3.5	3.5	3.5	5.4	5.4	5.4	0.5	0.5	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3														
2	Region 19	1.3	0.9	1.7	5.4	4.5	6.2	6.7	6.2	7.1	0.2	0.0	0.4	0.8	0.0	1.6	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1													
1	Region 21	1.6	1.6	1.6	4.5	4.5	4.5	6.0	6.0	6.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0														
1	Region 22	1.4	1.4	1.4	4.9	4.9	4.9	6.2	6.2	6.2	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	6.3	6.3	6.3	0.0	0.0	0.0	0.7	0.7	0.7												
1	Region 24	1.8	1.8	1.8	8.0	8.0	8.0	9.8	9.8	9.8	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	10.2	10.2	0.0	0.0	0.0	0.0	0.0													
5	Region 25	2.9	1.1	5.3	4.2	1.6	5.3	7.1	3.2	10.7	0.1	0.0	0.4	0.2	0.0	0.7	0.0	0.0	0.0	0.0	7.4	3.7	11.0	0.0	0.0	0.0	0.3	0.0	1.1	0.3	0.0	1.1									
3	Region 26	2.5	1.1	3.6	2.5	1.2	4.6	4.9	4.2	5.7	0.1	0.0	0.4	0.9	0.0	2.8	0.0	0.0	0.0	0.0	6.0	4.6	7.6	0.0	0.0	0.0	0.7	0.4	1.1	0.7	0.4	1.1									
4	Region 27	0.7	0.2	1.1	6.2	4.1	8.6	6.8	5.0	8.9	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	5.2	8.9	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.2									
5	Region 28	2.0	0.8	2.7	4.6	4.2	5.5	6.6	5.7	7.2	0.1	0.0	0.3	0.1	0.0	0.3	0.0	0.0	0.0	0.0	6.7	5.7	7.5	0.0	0.0	0.0	0.8	0.0	1.6	0.8	0.0	1.6									
2	Region 30	1.9	1.9	2.0	2.3	0.4	4.2	4.2	2.2	6.2	0.2	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	4.5	2.7	6.2	0.0	0.0	0.0	0.9	0.7	1.1	0.9	0.7	1.1									
1	Region 31	12.8	12.8	12.8	1.1	1.1	1.1	13.8	13.8	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	13.8	13.8	0.0	0.0	0.0	9.7	9.7	9.7	10.1	10.1	10.1									
3	Region 32	2.3	1.2	3.8	2.8	1.1	5.2	5.1	3.0	6.3	0.1	0.0	0.4	1.4	0.0	4.1	0.0	0.0	0.0	0.0	6.6	6.3	7.2	0.0	0.0	0.0	0.6	0.2	1.2	0.6	0.2	1.2									
2	Region 33	2.5	1.2	3.7	2.8	0.8	4.7	5.2	2.0	8.4	0.2	0.0	0.5	0.2	0.0	0.3	0.0	0.0	0.0	0.0	5.6	2.9	8.4	0.0	0.0	0.0	0.3	0.0	0.6	0.3	0.0	0.6									
2	Region 34	1.9	1.6	2.2	4.4	4.1	4.7	6.3	5.7	6.9	0.3	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	5.8	7.4	0.0	0.0	0.0	1.0	0.9	1.2	1.0	0.9	1.2									
1	Region 36	9.5	9.5	9.5	0.1	0.1	0.1	9.6	9.6	9.6	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								
43	Ave. YM2	2.5			4.0			6.4			0.2			0.3						6.8			0.0			0.0			0.7			0.7			0.0			0.0			0.0
	Min. YM2	0.2			0.1			2.0			0.0			0.0						2.7			0.0			0.0			0.0			0.0			0.0			0.0			0.0
	Max. YM2	12.8			8.6			13.8			0.5			4.1						13.8			0.4			0.0			9.7			10.1			10.1			10.1			10.1

Number of samples		TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2020/21) (continue)																							
		% 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.		
GRADE: YM3																									
1	Region 10	0.5	0.5	0.5	0.8	0.8	0.8	1.4	1.4	1.4	0.6	0.6	0.6	0.0	0.0	0.0	1.9	1.9	1.9	0.0	0.0	0.0	0.4	0.4	0.4
1	Region 21	0.2	0.2	0.2	3.8	3.8	3.8	4.1	4.1	4.1	0.6	0.6	0.6	0.0	0.0	0.0	4.7	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0
1	Region 24	1.7	1.7	1.7	3.1	3.1	3.1	4.8	4.8	4.8	0.6	0.6	0.6	0.0	0.0	0.0	5.4	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0
1	Region 29	2.2	2.2	2.2	1.3	1.3	1.3	3.4	3.4	3.4	0.6	0.6	0.6	0.0	0.0	0.0	4.1	4.1	4.1	0.0	0.0	0.0	0.8	0.8	0.8
1	Region 30	2.3	2.3	2.3	11.3	11.3	11.3	13.6	13.6	13.6	0.1	0.1	0.1	1.2	1.2	1.2	14.8	14.8	14.8	0.0	0.0	0.0	0.1	0.1	0.1
2	Region 33	20.4	18.4	22.4	2.3	2.1	2.5	22.7	20.5	24.9	0.3	0.0	0.5	0.4	0.0	0.8	23.3	21.0	25.6	0.0	0.0	0.0	0.5	0.0	1.0
1	Region 34	0.3	0.3	0.3	1.4	1.4	1.4	1.7	1.7	1.7	0.6	0.6	0.6	0.0	0.0	0.0	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
8	Ave. YM3	6.0			3.3			9.3			0.4			0.2			10.0			0.0			0.3		
	Min. YM3	0.2			0.8			1.4			0.0			0.0			1.9			0.0			0.0		
	Max. YM3	22.4			11.3			24.9			0.6			1.2			25.6			0.0			1.0		
CLASS: COM																									
1	Region 12	0.4	0.4	0.4	0.9	0.9	0.9	1.3	1.3	1.3	0.0	0.0	0.0	0.2	0.2	0.2	1.5	1.5	1.5	0.0	0.0	0.0	0.2	0.2	0.2
1	Region 14	3.5	3.5	3.5	1.7	1.7	1.7	5.2	5.2	5.2	0.1	0.1	0.1	8.5	8.5	8.5	13.8	13.8	13.8	0.0	0.0	0.0	1.1	1.1	1.1
1	Region 17	1.1	1.1	1.1	1.9	1.9	1.9	3.0	3.0	3.0	0.0	0.0	0.0	0.1	0.1	0.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
2	Region 18	2.7	1.5	3.9	3.9	3.5	4.2	6.6	5.0	8.1	2.1	1.4	2.8	0.1	0.0	0.2	8.8	6.5	11.1	0.0	0.0	0.0	1.3	0.9	1.7
2	Region 21	1.0	0.9	1.1	3.2	1.3	5.2	4.2	2.2	6.3	0.1	0.1	0.1	4.5	0.7	8.2	8.8	7.1	10.4	0.0	0.0	0.0	0.2	0.0	0.5
1	Region 22	1.2	1.2	1.2	5.6	5.6	5.6	6.8	6.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	6.8	6.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0
1	Region 25	3.4	3.4	3.4	30.9	30.9	30.9	34.3	34.3	34.3	0.4	0.4	0.4	0.0	0.0	0.0	34.8	34.8	34.8	0.0	0.0	0.0	0.0	0.0	0.0
6	Region 26	3.5	0.9	6.7	2.9	0.8	5.3	6.4	3.7	10.5	0.5	0.0	1.2	0.9	0.0	5.4	7.9	4.6	13.0	0.0	0.0	0.0	0.7	0.2	1.4
2	Region 27	3.6	0.5	6.7	5.7	3.3	8.1	9.3	8.6	10.0	1.1	0.0	2.1	0.1	0.0	0.2	10.4	8.6	12.3	0.0	0.0	0.0	0.6	0.0	1.1
1	Region 28	2.9	2.9	2.9	6.4	6.4	6.4	9.2	9.2	9.2	1.3	1.3	1.3	0.0	0.0	0.0	10.5	10.5	10.5	0.0	0.0	0.0	0.9	0.9	0.9
4	Region 29	1.1	0.3	1.9	1.4	1.0	2.0	2.5	1.4	3.4	0.8	0.0	1.6	0.1	0.0	0.4	3.4	1.8	5.0	0.0	0.0	0.0	0.4	0.0	0.8
3	Region 30	2.1	1.0	3.1	1.7	1.6	1.7	3.7	2.6	4.8	0.2	0.0	0.4	0.0	0.0	0.0	3.9	2.6	4.8	0.0	0.0	0.0	0.7	0.2	1.7
4	Region 31	3.1	1.7	5.3	1.8	1.6	2.0	4.9	3.3	7.3	0.8	0.2	1.5	2.4	0.0	9.6	8.1	4.5	13.2	0.0	0.0	0.0	0.9	0.0	1.6
5	Region 32	3.7	2.3	6.5	2.2	0.9	4.0	5.9	4.3	7.8	0.7	0.0	1.4	0.0	0.0	0.0	6.5	4.8	7.8	0.0	0.0	0.0	1.0	0.0	2.1
5	Region 33	3.2	1.0	5.5	1.8	1.1	3.4	4.9	2.3	6.9	1.2	0.0	4.7	0.1	0.0	0.2	6.2	3.1	8.1	0.0	0.0	0.0	0.9	0.0	3.1
5	Region 34	1.7	1.2	2.5	2.5	0.6	4.7	4.2	2.2	6.8	0.7	0.0	1.5	0.2	0.0	0.6	5.0	3.2	8.3	0.0	0.0	0.0	0.3	0.2	0.5
2	Region 36	1.5	1.3	1.8	4.1	2.1	6.1	5.7	3.9	7.5	1.3	0.0	2.6	0.4	0.1	0.7	7.4	4.0	10.7	0.0	0.0	0.0	0.7	0.6	0.9

TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2020/21) (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.	max.
		min.	max.	min.	max.																		
46	Ave. COM	2.5	3.2	0.3	0.6	5.8	1.3	0.7	0.0	4.7	9.6	7.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7
	Min. COM																						
	Max. COM			6.7	30.9	34.3																	
440	Ave. YM	2.1	2.1	0.1	0.0	4.2	0.2	0.1	0.0	4.7	0.2	4.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	
	Min. YM																						
	Max. YM			22.4	30.9	34.3																	
1000	Ave. Maize	2.6	2.1	0.0	0.0	4.7	0.2	0.2	0.0	4.7	0.3	5.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	
	Min. Maize																						
	Max. Maize			55.1	30.9	56.9																	

*The following yellow maize samples were downgraded to Class Other Maize due to the presence of poisonous seeds exceeding the maximum allowance	
Region	Number of Poisonous seeds (Crotonaria spp., Datura spp., Ricinus communis) Max. allowance 1 seed/1000 g
12	6 <i>Datura</i> spp.
17	6 <i>Datura</i> spp.
21	6 <i>Datura</i> spp.
22	12 <i>Datura</i> spp.
26	0
26	0
27	18 <i>Datura</i> spp.
29	6 <i>Datura</i> spp.
30	0
30	0
30	6 <i>Datura</i> spp.
31	0
31	0
32	12 <i>Datura</i> spp.
32	6 <i>Datura</i> spp.
32	0
33	6 <i>Datura</i> spp.
33	0
33	6 <i>Datura</i> spp.
34	0
34	6 <i>Datura</i> spp.
34	0
34	0
36	0

Number of Poisonous seeds (Argemone mexicana L., Convolvulus spp., Ipomoea purpurea Roth., Lolium temulentum, Xanthium spp.) Max. allowance 7 seeds/1000 g	
	0
	0
	0
	0
	12 <i>Xanthium Strumarium</i>
	12 <i>Xanthium Strumarium</i>
	0
	0
	12 <i>Xanthium Strumarium</i>
	12 <i>Xanthium Strumarium</i>
	0
	96 <i>Xanthium Strumarium</i>
	12 <i>Xanthium Strumarium</i>
	17 <i>Ipomoea purpurea</i> , 12 <i>Xanthium Strumarium</i>
	0
	12 <i>Xanthium Strumarium</i>
	6 <i>Convolvulus</i> spp.
	24 <i>Xanthium Strumarium</i>
	0
	6 <i>Ipomoea purpurea</i> , 12 <i>Xanthium Strumarium</i>
	0
	24 <i>Xanthium Strumarium</i>
	23 <i>Ipomoea purpurea</i>