

**TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2022/23)**

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.			
<b>GRADE: YM1</b>																												
3	Region 06	1.6	0.3	3.9	1.5	0.5	3.0	3.1	1.4	4.4	0.0	0.0	0.0	3.2	1.4	4.4	0.0	0.0	0.0	1.1	0.0	3.2	0.2	0.0	0.4	1.3	0.1	3.7
19	Region 10	1.2	0.2	4.2	2.1	0.5	4.0	3.4	1.0	5.9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.4	0.4	0.0	1.9	0.6	0.0	1.9
16	Region 11	0.6	0.1	2.3	1.4	0.4	2.6	2.1	0.5	3.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.2	0.0	1.3	0.3	0.0	1.3
2	Region 12	1.5	0.8	2.2	0.8	0.2	1.4	2.3	2.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.3	0.0	0.6	0.5	0.4	0.6
3	Region 13	2.5	2.0	3.1	3.0	2.1	3.8	5.4	4.1	6.8	0.0	0.0	0.0	0.4	0.0	1.1	5.8	4.1	7.9	1.3	1.1	1.7	0.4	0.0	0.9	1.7	1.4	2.0
4	Region 14	1.3	0.1	2.2	2.0	1.1	3.2	3.3	2.0	5.4	0.0	0.0	0.0	0.1	0.0	0.5	3.5	2.0	5.4	0.5	0.0	1.0	0.2	0.0	0.6	0.6	0.0	1.2
4	Region 16	1.9	0.8	3.2	1.8	0.2	3.5	3.7	1.0	5.3	0.2	0.1	0.3	0.1	0.0	0.2	4.0	1.1	5.4	0.7	0.0	1.1	0.8	0.0	2.8	1.5	0.5	2.8
4	Region 17	2.7	0.9	6.3	2.3	1.8	2.9	5.0	3.0	8.6	0.0	0.0	0.1	0.3	0.0	0.6	5.4	3.6	9.0	1.4	0.0	3.8	0.5	0.0	1.9	1.9	0.0	5.7
4	Region 18	1.1	0.9	1.4	1.5	0.5	2.7	2.6	1.6	3.7	0.0	0.0	0.0	0.1	0.0	0.3	2.7	1.9	3.7	0.6	0.4	0.8	0.0	0.0	0.2	0.7	0.4	0.8
3	Region 19	1.1	0.7	2.0	2.8	2.7	3.1	4.0	3.4	5.1	0.1	0.0	0.3	0.1	0.0	0.3	4.2	3.4	5.1	0.6	0.2	1.3	0.2	0.0	0.5	0.9	0.4	1.8
7	Region 20	2.1	0.7	3.3	2.0	0.4	3.2	4.1	3.0	4.8	0.1	0.0	0.3	0.1	0.0	0.3	4.2	3.6	5.0	0.9	0.0	1.9	0.3	0.0	1.4	1.1	0.0	2.1
8	Region 21	1.2	0.4	2.4	2.4	1.7	3.4	3.7	2.5	4.9	0.1	0.0	0.3	0.3	0.0	0.9	4.0	2.8	5.9	0.4	0.0	1.4	0.2	0.0	0.7	0.6	0.0	1.4
3	Region 23	2.1	0.0	3.9	1.0	0.3	1.9	3.1	0.3	5.8	0.1	0.0	0.2	0.1	0.0	0.2	3.3	0.5	5.8	1.2	0.0	2.8	0.3	0.0	1.0	1.5	0.0	3.9
5	Region 24	2.0	0.6	4.1	3.0	1.5	4.0	4.9	3.0	7.2	0.0	0.0	0.2	0.1	0.0	0.4	5.1	3.0	7.8	1.1	0.4	3.0	0.3	0.0	0.6	1.4	0.6	3.5
13	Region 25	1.1	0.3	2.1	2.1	0.9	3.9	3.2	1.8	5.8	0.1	0.0	0.2	0.0	0.0	0.6	3.3	2.0	5.9	0.3	0.0	1.3	0.2	0.0	0.7	0.4	0.0	1.3
12	Region 26	1.9	0.1	4.8	2.3	1.2	3.9	4.0	1.6	7.0	0.0	0.0	0.2	0.0	0.0	0.0	4.1	1.8	7.0	1.0	0.0	2.8	0.1	0.0	0.5	1.1	0.0	2.9
11	Region 27	2.1	0.5	5.6	2.3	0.5	3.8	4.5	1.1	7.6	0.0	0.0	0.2	0.0	0.0	0.2	4.5	1.2	7.6	1.3	0.0	4.1	0.4	0.0	1.0	1.6	0.0	4.9
38	Region 28	2.2	0.3	7.4	1.4	0.1	3.5	3.6	0.8	8.3	0.0	0.0	0.3	0.1	0.0	0.5	3.7	0.8	8.5	1.2	0.0	5.3	0.3	0.0	2.8	1.5	0.0	6.1
31	Region 29	2.3	0.3	8.0	1.9	0.4	3.6	4.2	1.3	8.4	0.0	0.0	0.3	0.0	0.0	0.2	4.2	1.5	8.4	1.3	0.0	5.3	0.5	0.0	2.4	1.8	0.0	7.7
31	Region 30	3.1	0.4	7.8	1.3	0.2	3.5	4.3	1.7	9.0	0.0	0.0	0.3	0.0	0.0	0.3	4.4	1.7	9.0	1.6	0.0	6.3	0.6	0.0	1.5	2.2	0.0	7.8
25	Region 31	3.5	1.2	7.5	1.6	0.7	3.2	5.2	2.3	8.3	0.0	0.0	0.3	0.1	0.0	0.5	5.3	2.3	8.3	2.0	0.0	4.3	0.7	0.0	1.9	2.7	0.6	5.8
24	Region 32	2.5	0.7	5.1	1.8	0.4	3.6	4.2	1.7	7.6	0.1	0.0	0.3	0.0	0.0	0.2	4.3	1.7	7.6	1.0	0.0	3.8	0.6	0.0	2.1	1.6	0.5	4.2
17	Region 33	3.1	1.5	6.6	1.9	0.8	3.2	4.9	2.2	8.9	0.0	0.0	0.3	0.1	0.0	0.4	5.0	2.2	8.9	1.5	0.0	4.2	0.6	0.0	2.2	2.1	0.3	5.0
16	Region 34	2.0	0.6	3.9	1.8	0.6	3.1	3.7	1.5	6.5	0.0	0.0	0.2	0.2	0.0	1.2	3.9	1.7	6.5	0.8	0.0	2.8	0.4	0.0	1.4	1.2	0.2	2.8
4	Region 35	1.9	0.7	4.7	1.3	0.3	3.1	3.2	1.0	6.2	0.0	0.0	0.1	0.0	0.0	0.1	3.3	1.0	6.2	0.2	0.0	0.8	0.0	0.0	0.0	0.2	0.0	0.8
24	Region 36	2.9	0.9	5.8	1.8	0.2	3.4	4.7	1.5	8.2	0.0	0.0	0.2	0.2	0.0	1.9	4.9	1.5	9.0	0.8	0.0	2.1	0.8	0.0	2.2	1.6	0.0	3.5
331	Ave. YM1	2.2	0.0	8.0	1.8	0.1	4.0	4.0	0.3	9.0	0.0	0.0	0.3	0.1	0.0	1.9	4.1	0.5	9.0	0.0	0.0	6.3	0.4	0.0	2.8	1.5	0.0	7.8
	Min. YM1																											
	Max. YM1																											

**TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2022/23) (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.
<b>GRADE: YM2</b>																										
1	Region 08	1.3	-	-	3.0	-	-	4.3	-	-	0.5	-	-	0.0	-	-	0.0	-	0.0	-	0.0	-	-			
2	Region 10	9.4	8.5	10.3	1.7	1.6	1.9	11.1	10.4	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.0	8.0	1.4	1.4	1.4		
4	Region 11	1.2	0.2	2.7	3.0	1.7	4.4	4.3	2.6	7.0	0.3	0.0	0.5	0.1	0.0	0.3	4.7	3.1	7.7	0.2	0.0	0.9	0.1	0.0	0.2	
1	Region 13	3.0	-	-	4.8	-	-	7.8	-	-	0.2	-	-	0.0	-	-	8.0	-	-	2.8	-	-	0.0	-	-	
2	Region 16	8.4	8.1	8.7	1.2	1.0	1.3	9.5	9.4	9.7	0.1	0.0	0.2	0.0	0.0	0.0	9.7	9.4	9.9	4.5	2.7	6.2	1.6	1.4	1.9	
1	Region 17	0.8	-	-	1.2	-	-	2.0	-	-	0.4	-	-	0.3	-	-	2.7	-	-	0.8	-	-	0.0	-	-	
4	Region 19	1.1	0.5	1.5	4.6	2.8	6.3	5.7	3.6	7.1	0.3	0.0	0.5	0.1	0.0	0.2	6.1	4.1	7.5	0.5	0.0	0.8	0.0	0.0	0.1	
1	Region 21	0.3	-	-	7.6	-	-	7.9	-	-	0.5	-	-	0.1	-	-	8.6	-	-	0.3	-	-	0.0	-	-	
4	Region 24	1.8	0.2	5.7	5.0	3.7	6.6	6.8	5.2	9.4	0.2	0.0	0.3	0.0	0.0	0.2	7.0	5.2	9.7	1.3	0.0	4.7	0.3	0.0	0.9	
6	Region 25	2.6	1.0	4.4	3.8	1.1	6.6	6.4	4.7	9.8	0.2	0.0	0.5	0.0	0.0	0.0	6.6	5.1	9.9	0.9	0.0	2.9	0.3	0.0	0.8	
8	Region 26	5.1	0.4	12.1	3.9	1.2	8.7	9.0	3.7	13.3	0.1	0.0	0.5	0.2	0.0	1.0	9.4	4.0	13.3	3.8	0.0	10.3	0.5	0.0	1.5	
5	Region 27	3.0	0.6	7.8	5.1	2.3	8.7	8.1	3.7	12.8	0.2	0.0	0.4	0.9	0.0	4.1	9.1	5.9	12.8	1.1	0.0	2.7	0.5	0.0	1.4	
8	Region 28	5.8	0.0	15.9	2.3	0.6	5.8	8.0	0.8	17.3	0.2	0.0	0.5	0.0	0.0	0.0	8.2	1.2	17.3	1.9	0.0	6.6	0.4	0.0	1.6	
6	Region 29	3.9	1.5	11.5	2.8	1.2	4.9	6.6	3.2	14.4	0.4	0.0	0.5	0.2	0.0	1.1	7.1	3.8	15.9	2.4	0.0	9.7	0.7	0.0	2.0	
11	Region 30	8.1	3.0	15.2	2.8	0.4	7.6	10.9	4.5	16.7	0.2	0.0	0.4	0.3	0.0	2.7	11.3	4.9	16.7	5.2	1.3	9.8	1.5	0.0	4.3	
3	Region 31	6.5	1.3	10.8	3.3	2.0	4.4	9.7	5.7	14.1	0.2	0.0	0.5	0.0	0.0	0.0	9.9	6.1	14.3	4.3	0.2	7.5	1.2	1.0	1.5	
3	Region 32	4.4	0.7	7.9	4.9	2.8	7.7	9.4	8.4	10.7	0.1	0.0	0.2	0.0	0.0	0.0	9.5	8.5	10.7	3.0	0.7	5.1	0.8	0.0	1.5	
7	Region 33	3.3	0.6	7.2	3.9	1.2	7.1	7.2	1.8	10.2	0.1	0.0	0.4	0.4	0.0	2.2	7.7	2.1	10.7	1.8	0.2	4.4	0.7	0.0	1.5	
4	Region 34	5.7	0.2	12.4	3.8	3.0	5.7	9.5	5.0	15.7	0.2	0.0	0.4	0.5	0.0	1.7	10.2	5.4	17.4	4.6	0.2	11.0	0.7	0.0	1.2	
2	Region 35	1.0	0.7	1.2	7.6	5.8	9.3	8.5	6.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0	8.5	6.5	10.5	0.0	0.0	0.0	0.2	0.0	0.4	
5	Region 36	2.4	1.3	4.1	4.7	2.8	6.0	7.1	4.1	9.6	0.0	0.0	0.1	0.9	0.0	4.2	8.0	6.8	10.1	0.2	0.0	1.0	1.0	0.0	1.6	
88	Ave. YM2	4.3	0.0	15.9	3.7	0.4	9.3	8.0	0.8	17.3	0.2	0.0	0.5	0.2	0.0	4.2	8.4	1.2	17.4	2.5	0.0	11.0	0.7	0.0	3.2	
	Min. YM2																								0.0	
	Max. YM2																									12.9



**TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2022/23) (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.																									
<b>CLASS: COM</b>																																
3	Region 29	3.2	1.6	6.0	1.6	1.4	1.7	4.8	3.3	7.7	0.7	0.2	1.1	0.0	0.0	0.0	5.5	4.2	8.0	0.0	0.0	0.0	2.3	1.4	3.6	0.4	0.0	1.1	2.6	1.5	4.6	
2	Region 30	7.5	1.0	14.0	1.4	0.4	2.4	8.9	3.5	14.4	0.2	0.1	0.2	0.0	0.0	0.0	9.1	3.6	14.6	0.0	0.0	0.0	5.2	0.2	10.1	1.2	0.0	2.4	6.4	0.2	12.5	
5	Region 31	3.2	1.6	4.9	3.1	1.9	4.3	6.3	4.1	9.0	0.1	0.0	0.4	0.0	0.0	0.0	6.4	4.1	9.3	0.0	0.0	0.0	1.4	1.0	2.3	0.6	0.2	1.4	2.1	1.4	2.7	
3	Region 32	7.2	2.5	16.0	1.5	0.4	2.4	8.7	2.9	18.3	0.4	0.0	0.8	0.0	0.0	0.0	9.1	3.2	18.3	0.0	0.0	0.0	4.0	0.2	10.3	2.0	1.2	3.0	5.9	1.4	13.3	
2	Region 33	15.0	0.4	29.7	1.2	0.3	2.0	16.2	2.4	30.0	1.3	0.2	2.4	0.0	0.0	0.0	17.5	4.9	30.2	0.0	0.0	0.0	10.5	0.4	20.7	4.5	0.0	9.0	15.0	0.4	29.7	
4	Region 34	1.4	0.8	2.1	2.0	1.4	2.5	3.4	2.3	4.2	0.6	0.1	1.1	0.0	0.0	0.0	4.0	2.4	5.2	0.0	0.0	0.0	0.4	0.0	0.7	0.8	0.0	1.9	1.2	0.6	1.9	
1	Region 35	0.5	0.5	0.5	1.2	1.2	1.2	1.7	1.7	1.7	0.1	0.1	0.1	0.0	0.0	0.0	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
1	Region 36	2.1	2.1	2.1	1.4	1.4	1.4	3.5	3.5	3.5	0.8	0.8	0.8	0.0	0.0	0.0	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
43	Ave. COM	3.3			2.8			6.1			0.7			0.1			7.0			0.0			1.6			0.9			2.5			2.5
	Min. COM	0.2			0.3			1.6			0.0			0.0			1.8			0.0			0.0			0.0			0.0			0.0
	Max. COM	29.7			8.7			30.0			2.5			2.6			30.2			0.0			20.7			9.0			9.0			9.0
480	Ave. YM	2.8			2.3			5.1			0.1			0.1			5.4			0.0			1.4			0.5			1.9			1.9
	Min. YM	0.0			0.1			0.3			0.0			0.0			0.5			0.0			0.0			0.0			0.0			0.0
	Max. YM	29.7			12.7			30.0			2.5			4.2			30.2			0.0			20.7			9.0			9.0			9.0
1000	Ave. Maize	3.1			2.0			5.1			0.2			0.2			5.4			0.0			1.1			0.4			1.5			1.5
	Min. Maize	0.0			0.0			0.1			0.0			0.0			0.1			0.0			0.0			0.0			0.0			0.0
	Max. Maize	51.8			12.7			55.6			3.7			4.6			55.6			0.0			20.7			9.0			9.0			9.0

**TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2022/23)**  
(continue)

\*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 (Crotolaria spp., Datura spp., Ricinis communis) Max. allowance 1 seed/1000 g	Number of Poisonous seeds (Argemone mexicana L., Convolvulus spp., Ipomoea purpurea Roth., Lolium temulentum, Xanthium spp.) Max. allowance 7 seeds/1000 g
18	0	12 <i>Xanthium Strumarium</i>
18	6 <i>Datura</i>	0
24	6 <i>Datura</i>	0
24	6 <i>Datura</i>	0
24	6 <i>Datura</i>	0
26	0	12 <i>Xanthium Strumarium</i>
29	0	24 <i>Xanthium Strumarium</i>
30	0	12 <i>Xanthium Strumarium</i>
30	6 <i>Datura</i>	0
31	0	12 <i>Xanthium Strumarium</i>
31	6 <i>Datura</i>	0
31	0	12 <i>Xanthium Strumarium</i>
31	6 <i>Datura</i>	0
31	6 <i>Datura</i>	0
32	0	12 <i>Xanthium Strumarium</i>
32	0	12 <i>Xanthium Strumarium</i>
34	0	12 <i>Convolvulus</i>
34	0	12 <i>Xanthium Strumarium</i>
35	6 <i>Datura</i>	0

