

TABLE 7: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2023/24)																												
Number of samples	Region	% Defective Kernels						% Total defective			% Foreign matter			% Other Colour			% Combined Deviations			% 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.
GRADE: YM1																												
3	Region 06	0.5	0.0	1.0	2.6	2.2	2.9	3.1	2.2	3.9	0.0	0.0	0.1	0.0	0.0	0.0	3.1	2.2	4.0	0.0	0.0	0.0	0.3	0.0	0.4	0.3	0.0	0.4
8	Region 08	1.4	0.0	3.0	2.9	1.7	3.8	4.2	2.5	5.9	0.1	0.0	0.3	0.1	0.0	0.4	4.4	2.7	5.9	0.4	0.0	1.7	0.5	0.0	1.7	0.9	0.0	3.0
16	Region 10	0.4	0.0	1.9	2.2	0.9	3.9	2.6	0.9	4.2	0.0	0.0	0.1	0.0	0.0	0.0	2.6	0.9	4.2	0.0	0.0	0.2	0.3	0.0	1.5	0.3	0.0	1.5
8	Region 11	0.3	0.0	0.7	2.0	0.8	3.5	2.3	0.9	3.9	0.0	0.0	0.1	0.0	0.0	0.0	2.3	1.0	3.9	0.0	0.0	0.0	0.3	0.0	0.6	0.3	0.0	0.6
1	Region 12	3.5	-	-	1.4	-	-	5.0	-	-	0.0	-	-	0.3	-	-	5.2	-	-	0.3	-	-	3.2	-	-	3.5	-	-
1	Region 13	2.1	-	-	2.7	-	-	4.9	-	-	0.1	-	-	0.0	-	-	4.9	-	-	0.4	-	-	1.6	-	-	2.0	-	-
4	Region 14	0.5	0.2	1.0	1.7	1.4	2.0	2.3	1.9	2.7	0.1	0.0	0.2	0.1	0.0	0.4	2.5	2.1	2.9	0.1	0.0	0.4	0.3	0.0	0.6	0.4	0.2	0.6
5	Region 15	4.5	0.8	6.4	2.2	1.3	3.3	6.7	4.1	8.0	0.1	0.0	0.2	0.5	0.0	1.9	7.4	4.7	8.6	0.2	0.0	0.5	3.9	0.7	6.0	4.0	0.7	6.4
3	Region 17	2.2	0.9	3.1	2.4	1.4	3.3	4.7	2.4	6.4	0.1	0.0	0.3	0.2	0.0	0.7	5.0	2.4	7.4	0.0	0.0	0.0	2.1	0.8	2.7	2.1	0.8	2.7
1	Region 18	0.6	-	-	1.9	-	-	2.5	-	-	0.0	-	-	0.0	-	-	2.5	-	-	0.0	-	-	0.6	-	-	0.6	-	-
6	Region 19	1.9	0.2	4.5	2.6	1.4	4.0	4.4	2.0	8.5	0.0	0.0	0.2	0.1	0.0	0.4	4.6	2.1	8.5	0.1	0.0	0.5	1.4	0.0	3.3	1.5	0.0	3.3
6	Region 20	1.2	0.2	2.4	2.8	2.2	3.4	3.9	2.9	4.9	0.0	0.0	0.1	0.2	0.0	0.7	4.1	2.9	5.2	0.1	0.0	0.5	0.8	0.2	1.9	1.0	0.2	2.4
1	Region 22	0.6	-	-	0.4	-	-	1.0	-	-	0.0	-	-	0.0	-	-	1.0	-	-	0.0	-	-	0.6	-	-	0.6	-	-
5	Region 24	0.2	0.0	0.4	2.1	0.0	3.7	2.3	0.0	4.0	0.1	0.0	0.2	0.1	0.0	0.3	2.5	0.2	4.4	0.0	0.0	0.0	0.1	0.0	0.4	0.1	0.0	0.4
6	Region 25	0.3	0.0	0.6	2.2	0.4	3.9	2.5	0.4	4.4	0.0	0.0	0.1	0.0	0.0	0.0	2.5	0.5	4.4	0.0	0.0	0.0	0.3	0.0	0.6	0.3	0.0	0.6
5	Region 26	1.1	0.0	2.0	2.2	0.7	3.2	3.4	2.5	4.4	0.0	0.0	0.1	0.2	0.0	0.6	3.6	2.6	5.2	0.2	0.0	0.5	0.8	0.0	1.6	1.0	0.0	2.0
2	Region 27	1.1	0.9	1.4	2.7	1.8	3.6	3.8	3.2	4.5	0.1	0.0	0.1	0.0	0.0	0.0	3.9	3.3	4.5	0.2	0.0	0.4	0.9	0.5	1.4	1.1	0.9	1.4
34	Region 28	1.4	0.0	7.3	1.9	0.2	3.7	3.3	0.9	8.1	0.0	0.0	0.2	0.0	0.0	0.2	3.3	0.9	8.2	0.3	0.0	1.7	1.0	0.0	6.9	1.3	0.0	7.2
23	Region 29	1.0	0.0	2.0	2.5	1.0	3.8	3.4	1.7	5.0	0.0	0.0	0.2	0.0	0.0	0.2	3.5	1.7	5.3	0.2	0.0	0.9	0.7	0.0	1.8	0.9	0.0	2.0
27	Region 30	2.6	0.3	6.6	2.0	0.6	3.9	4.7	1.8	8.8	0.0	0.0	0.1	0.0	0.0	0.5	4.7	1.8	8.9	0.6	0.0	2.5	1.7	0.0	3.7	2.3	0.0	6.2
45	Region 31	1.5	0.0	5.9	2.1	0.2	4.0	3.6	1.4	8.1	0.0	0.0	0.3	0.0	0.0	0.2	3.7	1.4	8.4	0.1	0.0	0.5	1.2	0.0	5.3	1.3	0.0	5.6
35	Region 32	1.8	0.0	4.3	2.2	0.4	4.0	3.9	0.9	6.1	0.0	0.0	0.3	0.0	0.0	0.2	4.0	0.9	6.1	0.3	0.0	1.3	1.2	0.0	3.5	1.5	0.0	3.5
22	Region 33	1.8	0.0	4.5	1.8	0.1	3.9	3.7	0.4	6.7	0.1	0.0	0.2	0.3	0.0	1.8	4.0	0.4	7.4	0.4	0.0	2.2	1.2	0.0	3.1	1.6	0.0	4.0
12	Region 34	2.1	0.2	4.0	2.2	1.1	3.4	4.3	2.1	6.0	0.1	0.0	0.3	0.2	0.0	0.6	4.6	2.3	6.1	0.6	0.0	2.2	1.4	0.2	3.1	2.0	0.2	4.0
6	Region 35	0.7	0.0	2.4	2.1	0.9	4.0	2.8	0.9	5.7	0.1	0.0	0.2	0.1	0.0	0.9	3.0	0.9	6.0	0.0	0.0	0.0	0.3	0.0	0.5	0.3	0.0	0.5
14	Region 36	1.9	0.3	7.1	1.7	0.1	3.8	3.6	1.0	8.3	0.1	0.0	0.2	0.4	0.0	1.7	4.1	1.2	8.3	0.1	0.0	0.6	1.7	0.3	6.8	1.8	0.3	7.1
299	Ave. YM1	1.5			2.1			3.7			0.0			0.1			3.8			0.2			1.1			1.3		
	Min. YM1	0.0			0.0			0.0			0.0			0.0			0.2			0.0			0.0			0.0		
	Max. YM1	7.3			4.0			8.8			0.3		1.9	8.9		2.5	8.9			6.9		2.5	6.9			7.2		

TABLE 7: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2023/24) (continue)

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Number of samples	Region	% Defective Kernels						% Total defective			% Foreign matter			% Other Colour			% Combined Deviations			% 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: YM3																												
2	Region 08	0.3	0.3	0.4	13.6	9.2	18.0	13.9	9.6	18.2	0.4	0.0	0.7	0.0	0.0	0.0	14.3	10.3	18.2	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1
3	Region 14	0.2	0.0	0.5	19.0	10.2	23.8	19.1	10.7	23.8	0.6	0.3	0.7	0.2	0.0	0.5	19.9	11.5	24.5	0.0	0.0	0.0	0.1	0.0	0.4	0.1	0.0	0.4
1	Region 18	0.0	-	-	4.0	-	-	4.0	-	-	0.7	-	-	1.0	-	-	5.8	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	Region 19	1.9	-	-	6.2	-	-	8.1	-	-	0.7	-	-	0.0	-	-	8.8	-	-	0.0	-	-	1.9	-	-	1.9	-	-
2	Region 21	0.7	0.2	1.2	16.0	14.4	17.6	16.7	14.6	18.8	0.1	0.0	0.2	0.1	0.0	0.2	16.9	14.9	19.0	0.0	0.0	0.0	0.7	0.2	1.1	0.7	0.2	1.1
1	Region 22	0.5	-	-	3.0	-	-	3.5	-	-	0.6	-	-	0.0	-	-	4.1	-	-	0.0	-	-	0.5	-	-	0.5	-	-
1	Region 24	0.0	-	-	13.0	-	-	13.0	-	-	0.4	-	-	0.0	-	-	13.5	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	Region 25	0.3	-	-	6.7	-	-	7.0	-	-	0.6	-	-	0.0	-	-	7.5	-	-	0.0	-	-	0.0	-	-	0.0	-	-
2	Region 26	10.3	0.4	20.3	7.9	2.1	13.6	18.2	14.0	22.4	0.3	0.1	0.6	0.0	0.0	0.0	18.5	14.6	22.5	1.3	0.0	2.7	8.9	0.4	17.5	10.3	0.4	20.1
1	Region 28	0.4	-	-	15.5	-	-	15.9	-	-	0.1	-	-	0.2	-	-	16.2	-	-	0.0	-	-	0.4	-	-	0.4	-	-
1	Region 29	0.9	-	-	2.9	-	-	3.8	-	-	0.7	-	-	0.0	-	-	4.5	-	-	0.0	-	-	0.4	-	-	0.4	-	-
2	Region 30	4.0	0.0	8.1	13.5	12.4	14.6	17.5	12.4	22.7	0.4	0.4	0.5	1.0	0.0	1.9	18.9	12.8	25.0	1.8	0.0	3.6	2.2	0.0	4.5	4.0	0.0	8.1
2	Region 31	0.3	0.1	0.4	3.2	2.6	3.7	3.5	2.8	4.2	0.6	0.6	0.6	0.1	0.0	0.1	4.1	3.4	4.8	0.0	0.0	0.0	0.2	0.1	0.4	0.2	0.1	0.4
2	Region 32	3.5	2.9	4.1	1.9	1.6	2.2	5.4	4.5	6.4	0.7	0.6	0.7	0.0	0.0	0.0	6.1	5.2	7.0	0.5	0.0	1.1	3.1	2.9	3.4	3.7	2.9	4.4
2	Region 34	0.5	0.2	0.8	2.2	1.9	2.4	2.7	2.1	3.3	0.6	0.6	0.7	0.0	0.0	0.0	3.3	2.8	3.9	0.0	0.0	0.0	0.5	0.2	0.8	0.5	0.2	0.8
1	Region 35	5.0	-	-	11.1	-	-	16.1	-	-	0.0	-	-	0.0	-	-	16.1	-	-	0.0	-	-	1.3	-	-	1.3	-	-
2	Region 36	1.4	0.7	2.2	1.7	1.5	1.9	3.1	2.5	3.7	0.7	0.7	0.7	0.0	0.0	0.0	3.8	3.3	4.3	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
27	Ave. YM3	1.9			8.9			10.8			0.5			0.2			11.4			0.3			1.4			1.7		
	Min. YM3	0.0			1.5			2.1			0.0			0.0			2.8			0.0			0.0			0.0		
	Max. YM3	20.3			23.8			23.8			0.7			1.9			25.0			3.6			17.5			20.1		

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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.
GRADE: COM																					
1	Region 08	0.0	-	-	8.6	-	-	8.6	-	-	0.0	-	-	8.6	-	-	0.0	-	-	0.0	-
1	Region 11	0.2	-	-	4.6	-	-	4.8	-	-	0.1	-	-	4.9	-	-	0.0	-	-	0.2	-
1	Region 14	0.0	-	-	26.9	-	-	26.9	-	-	4.0	-	-	30.9	-	-	0.0	-	-	0.0	-
1	Region 18	3.8	-	-	6.0	-	-	9.8	-	-	0.0	-	-	9.8	-	-	0.2	-	-	3.8	-
3	Region 19	1.3	1.1	1.5	8.1	3.9	13.1	9.5	5.4	14.2	1.2	0.5	1.7	12.3	7.5	16.1	0.0	0.0	1.1	1.0	1.3
3	Region 21	1.9	0.0	3.0	8.7	2.0	20.4	10.6	2.0	23.1	1.8	0.9	3.4	12.8	2.9	27.3	0.1	0.0	1.7	0.0	2.6
1	Region 24	0.1	-	-	2.9	-	-	2.9	-	-	0.8	-	-	3.8	-	-	0.0	-	-	0.0	-
2	Region 26	1.2	0.9	1.4	1.6	0.3	2.9	2.7	1.8	3.7	0.7	0.0	1.3	3.5	3.3	3.7	0.2	0.0	0.9	0.7	1.1
4	Region 28	0.7	0.0	1.4	2.7	1.4	3.8	3.4	2.8	3.9	0.5	0.0	0.8	4.0	3.6	4.4	0.0	0.0	0.7	0.0	1.4
3	Region 29	1.9	0.9	3.7	3.9	0.9	6.9	5.8	2.0	10.6	0.7	0.0	1.1	6.4	2.0	11.7	0.2	0.0	1.4	0.3	3.1
9	Region 30	4.1	0.3	11.0	4.0	1.2	8.0	8.1	4.0	15.1	0.5	0.0	1.6	9.0	4.3	17.8	1.2	0.0	2.3	0.0	6.0
11	Region 31	1.7	0.2	3.3	2.5	0.3	5.2	4.2	3.0	7.3	0.2	0.0	0.9	4.5	3.0	7.4	0.1	0.0	1.4	0.0	2.3
5	Region 32	1.6	1.1	2.3	2.8	2.3	3.6	4.4	3.7	4.7	0.1	0.0	0.4	5.2	4.7	6.1	0.3	0.0	1.2	0.5	1.8
2	Region 33	2.4	0.0	4.9	5.3	3.6	7.1	7.8	7.1	8.5	0.0	0.0	0.0	8.3	7.3	9.3	0.9	0.0	1.4	0.0	2.8
6	Region 34	0.7	0.3	1.7	3.3	0.3	9.8	4.0	1.4	10.2	1.6	0.0	5.1	5.6	1.7	11.3	0.1	0.0	0.4	0.0	1.7
5	Region 36	1.4	0.9	2.3	3.0	1.5	5.1	4.4	3.0	6.0	0.1	0.0	0.4	5.3	4.7	6.1	0.2	0.0	1.2	0.5	1.8
56	Ave. COM	1.9		4.4	6.3			6.3			0.7			7.3			0.3		1.3		
	Min. COM	0.0		0.3	1.4			1.4			0.0			1.7			0.0		0.0		
	Max. COM	11.0		26.9	26.9			26.9			5.1			30.9			5.3		6.0		8.1
482	Ave. YM	1.6		3.3	5.0			5.0			0.2			5.3			0.3		1.2		1.4
	Min. YM	0.0		0.0	0.0			0.0			0.0			0.2			0.0		0.0		0.0
	Max. YM	20.3		26.9	26.9			26.9			5.1			30.9			5.3		17.5		20.1
1000	Ave. Maize	1.4		2.8	4.2			4.2			0.2			4.5			0.2		1.0		1.2
	Min. Maize	0.0		0.0	0.0			0.0			0.0			0.2			0.0		0.0		0.0
	Max. Maize	20.3		26.9	26.9			26.9			5.1			30.9			5.3		17.5		20.1

TABLE 7: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2023/24) (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 (<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
8	0	12 <i>Ipomoea purpurea</i>
11	52 <i>Datura</i>	0
18	0	12 <i>Xanthium Strumarium</i> , 12 <i>Ipomoea purpurea</i>
26	6 <i>Datura</i>	0
28	0	11 <i>Xanthium Strumarium</i>
29	0	12 <i>Xanthium Strumarium</i>
30	0	12 <i>Xanthium Strumarium</i>
30	0	57 <i>Xanthium Strumarium</i>
30	0	12 <i>Xanthium Strumarium</i>
31	0	12 <i>Xanthium Strumarium</i>
31	0	12 <i>Xanthium Strumarium</i>
31	6 <i>Datura</i>	0
31	0	12 <i>Xanthium Strumarium</i>
31	0	12 <i>Xanthium Strumarium</i>
31	0	12 <i>Xanthium Strumarium</i>
31	29 <i>Datura</i>	11 <i>Xanthium Strumarium</i>
31	6 <i>Datura</i>	0
31	0	12 <i>Xanthium Strumarium</i>
31	0	12 <i>Xanthium Strumarium</i>
32	6 <i>Datura</i>	0
32	6 <i>Datura</i>	12 <i>Xanthium Strumarium</i>
34	0	12 <i>Xanthium Strumarium</i>
36	6 <i>Datura</i>	0
36	11 <i>Datura</i>	0
36	0	11 <i>Xanthium Strumarium</i>
34	0	12 <i>Xanthium Strumarium</i>
36	11 <i>Datura</i>	0
36	0	11 <i>Xanthium Strumarium</i>
28	0	11 <i>Xanthium Strumarium</i>
26	6 <i>Datura</i>	0