

**TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2019/20)**

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.																
<b>GRADE: YM1</b>																					
12	Region 10	1.9	0.6 3.8	1.8	0.9 3.0	3.7	1.9 6.3	0.0	0.0 0.0	0.0	0.0 0.0	3.7	1.9 6.3	0.0	0.0 0.0	0.0	0.0 0.0	0.2	0.0 0.5	0.2	0.0 0.5
9	Region 11	1.3	0.4 3.3	1.6	1.2 2.1	2.9	2.1 4.7	0.0	0.0 0.2	0.0	0.0 0.3	3.0	2.1 4.7	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.2	0.0	0.0 0.2
2	Region 12	1.9	1.3 2.5	0.7	0.5 0.9	2.6	2.2 2.9	0.0	0.0 0.0	0.0	0.0 0.0	2.6	2.2 2.9	0.0	0.0 0.0	0.0	0.0 0.0	0.1	0.0 0.2	0.1	0.0 0.2
4	Region 14	1.3	0.7 1.8	1.6	1.0 2.1	2.8	2.0 3.3	0.1	0.0 0.3	0.3	0.0 1.0	3.3	3.0 3.8	0.0	0.0 0.0	0.0	0.0 0.0	0.2	0.0 0.7	0.2	0.0 0.7
3	Region 15	2.2	1.9 2.5	1.9	1.3 2.9	4.1	3.1 5.1	0.0	0.0 0.0	0.1	0.0 0.4	4.2	3.1 5.5	0.0	0.0 0.0	0.0	0.0 0.0	0.6	0.2 1.2	0.6	0.2 1.2
1	Region 16	2.6	- -	1.4	- -	4.0	- -	0.1	- -	0.0	- -	4.1	- -	0.0	- -	0.0	- -	1.2	- -	1.2	- -
1	Region 17	5.4	- -	1.1	- -	6.5	- -	0.0	- -	0.1	- -	6.6	- -	0.0	- -	0.0	- -	4.0	- -	4.0	- -
3	Region 18	2.3	0.6 3.3	1.6	1.2 2.2	3.9	2.0 5.5	0.1	0.0 0.2	0.3	0.0 0.8	4.2	2.2 6.3	0.0	0.0 0.0	0.0	0.0 0.0	1.1	0.0 2.4	1.1	0.0 2.4
2	Region 19	3.2	2.9 3.5	2.9	2.6 3.1	6.0	6.0 6.1	0.0	0.0 0.0	0.1	0.0 0.3	6.2	6.1 6.3	0.0	0.0 0.0	0.0	0.0 0.0	1.1	0.6 1.6	1.1	0.6 1.6
6	Region 20	2.7	1.6 5.3	1.6	0.6 3.6	4.2	2.4 6.5	0.0	0.0 0.2	0.1	0.0 0.2	4.3	2.4 6.6	0.0	0.0 0.0	0.0	0.0 0.0	0.8	0.0 2.6	0.8	0.0 2.6
6	Region 21	4.1	1.7 5.6	1.7	0.2 3.0	5.8	4.0 7.2	0.1	0.0 0.2	0.2	0.0 0.5	6.1	4.5 7.7	0.0	0.0 0.0	0.0	0.0 0.0	0.9	0.3 1.5	0.9	0.3 1.5
1	Region 22	5.2	- -	2.2	- -	7.4	- -	0.0	- -	0.0	- -	7.4	- -	0.0	- -	0.0	- -	3.0	- -	3.0	- -
1	Region 23	2.3	- -	2.9	- -	5.3	- -	0.0	- -	0.2	- -	5.5	- -	0.0	- -	0.0	- -	0.5	- -	0.5	- -
6	Region 24	2.2	0.3 5.1	2.6	2.1 3.0	4.8	2.5 7.7	0.0	0.0 0.1	0.1	0.0 0.7	5.0	2.5 7.7	0.0	0.0 0.0	0.0	0.0 0.0	0.3	0.0 0.8	0.3	0.0 0.8
6	Region 25	2.8	0.8 4.6	1.9	0.3 3.3	4.7	3.2 6.4	0.0	0.0 0.1	0.2	0.0 0.8	4.9	3.5 6.4	0.0	0.0 0.0	0.0	0.0 0.0	0.3	0.0 0.9	0.3	0.0 0.9
6	Region 26	3.5	2.5 4.3	2.1	0.2 4.0	5.7	3.8 7.4	0.1	0.0 0.2	0.0	0.0 0.1	5.7	3.9 7.5	0.0	0.0 0.0	0.0	0.0 0.0	0.7	0.3 1.2	0.7	0.3 1.2
10	Region 27	3.8	2.2 7.0	2.0	0.4 3.1	5.8	3.5 7.7	0.1	0.0 0.3	0.0	0.0 0.0	5.9	3.5 7.7	0.0	0.0 0.0	0.0	0.0 0.0	0.7	0.2 0.9	0.7	0.2 0.9
18	Region 28	2.8	0.7 6.9	1.5	0.1 3.4	4.3	2.2 9.0	0.0	0.0 0.3	0.1	0.0 1.0	4.4	2.2 9.0	0.0	0.0 0.0	0.0	0.0 0.0	0.5	0.0 1.7	0.5	0.0 1.7
26	Region 29	2.9	0.2 5.8	1.6	0.2 3.9	4.4	0.6 8.1	0.0	0.0 0.3	0.1	0.0 1.6	4.6	0.6 8.1	0.0	0.0 0.0	0.0	0.0 0.0	0.7	0.0 2.1	0.7	0.0 2.1
24	Region 30	2.0	0.2 5.4	2.0	0.3 4.0	4.0	0.5 8.8	0.0	0.0 0.3	0.0	0.0 0.2	4.1	0.5 8.8	0.0	0.0 0.0	0.0	0.0 0.3	0.3	0.0 0.8	0.3	0.0 1.0
25	Region 31	2.4	0.3 4.5	1.8	0.6 3.8	4.2	0.9 7.4	0.0	0.0 0.2	0.0	0.0 0.3	4.2	0.9 7.6	0.0	0.0 0.0	0.0	0.0 0.0	0.5	0.0 2.5	0.5	0.0 2.5
21	Region 32	3.0	1.8 5.6	1.6	0.4 3.3	4.6	2.7 7.0	0.0	0.0 0.3	0.0	0.0 0.4	4.7	2.7 7.0	0.0	0.0 0.0	0.0	0.0 0.0	0.6	0.0 2.0	0.6	0.0 2.0
12	Region 33	2.3	0.1 4.0	1.7	0.9 2.8	3.9	1.6 6.8	0.0	0.0 0.2	0.2	0.0 1.6	4.2	1.6 6.9	0.0	0.0 0.0	0.0	0.0 0.2	0.6	0.0 2.6	0.7	0.0 2.8
17	Region 34	2.2	0.6 5.1	1.1	0.1 2.0	3.3	1.6 5.7	0.0	0.0 0.2	0.0	0.0 0.5	3.4	1.7 5.7	0.0	0.0 0.0	0.0	0.0 0.0	0.7	0.0 2.2	0.7	0.0 2.2
4	Region 35	2.2	0.3 3.8	1.4	0.0 2.4	3.6	0.3 6.2	0.0	0.0 0.1	0.2	0.0 0.9	3.9	0.3 7.1	0.0	0.0 0.0	0.0	0.0 0.0	0.1	0.0 0.3	0.1	0.0 0.3
18	Region 36	2.7	0.5 5.5	1.7	0.2 3.7	4.3	2.0 8.5	0.1	0.0 0.3	0.1	0.0 0.4	4.5	2.1 8.5	0.0	0.0 0.0	0.0	0.0 0.3	0.7	0.0 2.3	0.7	0.0 2.6
244	Ave. YM1	2.6		1.7		4.3		0.0		0.1		4.4		0.0		0.0		0.6		0.6	
	Min. YM1	0.1		0.0		0.3		0.0		0.0		0.3		0.0		0.0		0.0		0.0	
	Max. YM1	7.0		4.0		9.0		0.3		1.6		9.0		0.0		0.3		4.0		4.0	

**TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2019/20) (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.																			
<b>GRADE: YM2</b>																								
2	Region 10	1.3	1.0	1.7	4.4	4.4	4.4	5.8	5.4	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.8	0.5	0.3	0.8	
1	Region 11	9.7	-	-	3.5	-	-	13.2	-	-	0.5	-	-	13.7	-	-	0.0	-	0.1	-	-	0.1	-	-
1	Region 13	6.9	-	-	2.0	-	-	8.9	-	-	0.2	-	-	9.1	-	-	0.0	-	0.5	-	-	0.5	-	-
1	Region 14	9.2	-	-	2.5	-	-	11.7	-	-	0.1	-	-	12.1	-	-	0.0	-	0.6	-	-	0.6	-	-
2	Region 15	10.2	7.9	12.5	4.1	3.2	5.0	14.3	11.1	17.6	0.0	0.0	0.0	1.1	0.0	2.2	15.4	11.1	19.8	0.0	0.0	1.0	0.0	2.0
2	Region 16	8.3	7.6	9.1	1.4	1.4	1.4	9.7	9.0	10.5	0.0	0.0	0.0	0.3	0.0	0.7	10.1	9.7	10.5	0.0	0.0	3.4	3.3	3.6
2	Region 18	6.9	6.6	7.1	3.9	2.8	5.1	10.8	9.4	12.3	0.1	0.0	0.1	0.1	0.0	0.2	11.0	9.5	12.5	0.0	0.0	0.8	0.2	1.3
3	Region 21	7.5	4.4	9.5	3.1	2.4	4.6	10.6	8.9	11.9	0.0	0.0	0.1	0.2	0.0	0.5	10.8	9.4	11.9	0.0	0.0	1.5	0.5	2.3
4	Region 22	3.8	2.4	5.7	3.9	2.0	5.3	7.6	5.8	9.5	0.0	0.0	0.0	1.1	0.2	3.6	8.8	7.9	9.7	0.0	0.0	0.9	0.5	1.4
4	Region 24	9.4	1.4	16.9	2.5	1.3	4.2	11.9	3.1	19.8	0.2	0.0	0.5	0.1	0.0	0.3	12.2	3.9	19.9	0.0	0.0	0.4	0.0	1.3
1	Region 25	2.8	-	-	5.7	-	-	8.5	-	-	0.4	-	-	0.0	-	-	8.9	-	-	0.0	-	0.0	-	-
8	Region 26	9.0	2.3	16.0	2.7	0.8	5.7	11.7	6.7	17.4	0.0	0.0	0.4	0.5	0.0	2.8	12.2	7.0	17.4	0.0	0.0	1.8	0.3	5.4
5	Region 27	5.0	0.8	9.8	3.3	1.9	5.0	8.2	4.9	12.4	0.1	0.0	0.4	0.0	0.0	0.0	8.4	5.4	12.4	0.0	0.0	1.4	0.5	2.9
7	Region 28	6.8	1.0	14.2	4.9	1.8	9.5	11.7	5.9	16.1	0.1	0.0	0.2	0.1	0.0	0.3	11.9	5.9	16.1	0.0	0.0	1.2	0.1	6.6
7	Region 29	3.5	0.8	6.7	3.4	0.5	7.9	7.0	2.1	11.4	0.2	0.0	0.5	0.0	0.0	0.1	7.2	2.5	11.5	0.0	0.0	0.8	0.0	1.6
6	Region 30	4.9	1.4	10.0	2.9	1.4	4.7	7.8	3.2	14.6	0.2	0.0	0.4	0.0	0.0	0.1	8.0	3.6	14.7	0.0	0.0	0.6	0.2	0.9
5	Region 31	6.1	1.6	11.3	3.8	0.7	7.6	9.8	7.2	12.8	0.3	0.0	0.5	0.0	0.0	0.2	10.2	7.7	13.5	0.0	0.0	1.3	0.2	2.9
8	Region 32	3.3	0.9	6.3	3.2	1.1	4.8	6.6	3.7	10.7	0.2	0.0	0.5	0.7	0.0	3.0	7.5	4.1	11.0	0.0	0.0	1.1	0.0	3.6
5	Region 33	4.8	1.9	6.7	2.0	0.1	3.7	6.8	3.1	10.2	0.1	0.0	0.5	1.2	0.0	3.4	8.1	5.6	10.2	0.0	0.0	1.3	0.0	3.1
5	Region 36	1.7	1.3	2.0	4.4	1.6	7.8	6.1	3.3	9.1	0.2	0.0	0.5	1.2	0.0	4.5	7.5	3.8	9.1	0.0	0.0	0.6	0.4	0.7
79	Ave. YM2	5.6	0.8	16.9	3.4	0.1	9.5	9.0	2.1	19.8	0.1	0.0	0.5	0.4	0.0	4.5	9.6	2.5	19.9	0.0	0.0	1.1	0.0	6.6
	Min. YM2				0.1		9.5	2.1		19.8	0.0		0.5	0.0		4.5	2.5		19.9	0.0		1.1		6.6
	Max. YM2																							

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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.
		ave.	min.   max.	ave.	min.   max.																
<b>GRADE: YM3</b>																					
1	Region 11	1.6	-	1.0	-	2.5	-	0.6	-	0.0	-	3.2	-	0.0	-	0.0	-	0.4	-	0.4	-
2	Region 24	9.6	3.1	16.0	4.7	3.4	6.0	0.4	0.1	0.6	0.0	14.6	7.1	22.2	0.0	0.0	0.0	0.2	0.0	0.3	0.0
2	Region 27	1.9	1.8	1.9	8.5	5.5	11.6	0.4	0.1	0.7	0.0	10.8	8.1	13.5	0.0	0.0	0.0	0.6	0.2	0.9	0.6
4	Region 28	5.3	0.4	8.5	5.1	2.2	11.7	0.5	0.1	0.6	0.4	11.3	8.1	13.4	0.0	0.0	0.0	0.1	0.0	0.3	0.1
1	Region 29	4.1	-	-	2.4	-	-	0.6	-	-	0.0	7.2	-	-	0.0	-	-	0.4	-	0.4	-
1	Region 30	0.5	-	-	4.1	-	-	0.7	-	-	0.1	5.4	-	-	0.0	-	-	0.1	-	0.1	-
1	Region 32	2.1	-	-	1.0	-	-	0.6	-	-	0.0	3.7	-	-	0.0	-	-	1.1	-	1.1	-
1	Region 34	4.8	-	-	2.3	-	-	0.6	-	-	0.2	7.8	-	-	0.0	-	-	0.7	-	0.7	-
<b>13</b>	<b>Ave. YM3</b>	<b>4.4</b>		<b>4.4</b>		<b>8.8</b>		<b>0.5</b>		<b>0.1</b>		<b>9.5</b>		<b>3.2</b>		<b>0.0</b>		<b>0.4</b>		<b>0.4</b>	
	<b>Min. YM3</b>	<b>0.4</b>		<b>1.0</b>		<b>2.5</b>		<b>0.1</b>		<b>0.0</b>		<b>3.2</b>		<b>22.2</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>	
	<b>Max. YM3</b>	<b>16.0</b>		<b>11.7</b>		<b>22.0</b>		<b>0.7</b>		<b>0.8</b>		<b>22.2</b>		<b>0.0</b>		<b>0.0</b>		<b>1.1</b>		<b>1.1</b>	
<b>CLASS: COM</b>																					
1	*Region 8	3.9	-	-	1.9	-	-	0.4	-	-	0.0	6.2	-	-	0.0	-	-	0.8	-	0.8	-
1	Region 10	1.3	-	-	2.9	-	-	0.8	-	-	0.0	5.0	-	-	0.0	-	-	0.4	-	0.4	-
1	*Region 13	2.7	-	-	2.1	-	-	0.6	-	-	0.5	5.8	-	-	0.0	-	-	0.6	-	0.6	-
1	*Region 14	1.2	-	-	0.7	-	-	0.0	-	-	0.2	2.1	-	-	0.0	-	-	0.0	-	0.0	-
1	Region 15	6.2	-	-	1.9	-	-	5.9	-	-	0.0	13.9	-	-	0.0	-	-	0.2	-	0.2	-
3	Region 18	2.7	0.7	5.5	3.4	2.5	4.1	1.9	1.2	2.4	0.4	8.2	6.3	11.1	0.0	0.0	0.0	0.3	0.1	0.5	0.3
2	Region 23	4.0	3.3	4.6	1.2	1.0	1.3	0.3	0.0	0.7	6.6	12.1	10.7	13.5	0.0	0.0	0.0	0.2	0.0	0.5	0.2
5	*Region 24	32.0	2.2	79.6	4.7	1.7	7.4	0.4	0.0	2.0	0.0	37.1	4.8	85.4	0.0	0.0	0.0	1.1	0.0	4.6	1.1
4	*Region 26	31.9	9.1	57.6	1.7	0.6	2.7	0.4	0.0	0.9	0.0	34.0	11.0	60.0	0.0	0.0	0.0	0.7	0.0	1.3	0.7
2	*Region 27	2.1	1.4	2.8	3.5	3.3	3.6	0.2	0.1	0.3	8.6	14.3	5.1	23.6	0.0	0.0	0.0	0.9	0.7	1.2	0.9
2	*Region 28	43.6	1.6	85.6	2.2	1.2	3.3	0.0	0.0	0.0	0.0	45.9	4.9	86.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	*Region 29	2.5	-	-	1.4	-	-	0.0	-	-	0.0	4.0	-	-	0.0	-	-	0.2	-	0.2	-
3	*Region 31	2.1	1.5	3.0	1.8	0.7	2.4	0.4	0.0	0.8	0.0	4.2	3.2	5.7	0.0	0.0	0.0	0.2	0.0	0.4	0.2
5	*Region 32	2.9	1.8	3.5	2.2	1.1	4.4	0.9	0.2	1.5	0.0	6.0	4.5	7.0	0.0	0.0	0.0	0.5	0.0	0.9	0.5
1	*Region 34	2.6	-	-	2.4	-	-	0.0	-	-	0.2	5.2	-	-	0.0	-	-	0.7	-	0.7	-

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		Above 6.35 mm sieve		Below 6.35 mm sieve		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.	ave.	min.
5	CLASS: COM *Region 36	8.0	2.3	14.7	4.7	1.6	9.1	12.6	5.4	17.4	0.6	0.0	1.5	13.9	5.6	18.9	0.0	0.0	0.0	0.2	0.0	0.9	2.0	0.5	6.4	2.2	0.5	7.3
38	Ave. COM	12.5	0.7		2.8	0.6		15.3	1.9		0.7	0.0		17.0	2.1		0.0	0.0		0.0	0.0		0.7	0.0		0.8	0.0	
	Min. COM																											
	Max. COM																											
374	Ave. YM	4.3	0.1		2.3	0.0		6.6	0.3		0.1	0.0		6.9	0.3		0.0	0.0		0.0	0.0		0.7	0.0		0.7	0.0	
	Min. YM																											
	Max. YM																											
890	Ave. Maize	6.5	0.1		2.1	0.0		8.6	0.3		0.2	0.0		9.1	0.3		0.1	0.0		0.0	0.0		0.8	0.0		0.8	0.0	
	Min. Maize																											
	Max. Maize																											

\*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 (Crotalaria spp., Datura spp., Ricinus 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
8	0	12 Xanthium strumarium
13	6 Datura spp.	0
14	6 Datura spp.	0
24	6 Datura spp.	0
24	12 Datura spp.	0
26	0	12 Xanthium strumarium
26	6 Datura spp.	0
27	0	12 Xanthium strumarium
28	6 Datura spp.	0
29	0	12 Xanthium strumarium
31	0	10 Xanthium strumarium
31	0	12 Xanthium strumarium
32	0	12 Xanthium strumarium
32	0	12 Xanthium strumarium
34	5 Datura spp.	0
36	0	12 Xanthium strumarium
36	0	10 Convolvulus spp.
36	5 Datura spp.	0