TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2016/2017)

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.
GRADE: YM1																														
37	Region 10	1.4	0.6	2.7	1.9	0.6	3.9	3.3	1.8	5.7	0.1	0.0	0.3	0.0	0.0	0.6	3.5	1.8	6.0	0.0	0.0	0.0	0.1	0.0	0.6	0.3	0.0	1.3	0.4	0.0	1.9
3	Region 11	2.2	1.2	3.5	2.7	1.9	3.1	4.9	3.2	6.6	0.2	0.2	0.2	0.0	0.0	0.0	5.1	3.3	6.8	0.0	0.0	0.0	0.3	0.0	1.0	0.8	0.0	1.8	1.1	0.0	2.8
3	Region 12	2.5	1.5	3.9	1.0	0.6	1.4	3.5	2.1	5.0	0.0	0.0	0.1	0.2	0.0	0.5	3.8	2.7	5.4	0.0	0.0	0.0	0.4	0.0	1.2	0.5	0.0	1.5	0.9	0.0	2.7
5	Region 13	2.2	1.6	3.5	2.6	1.3	4.0	4.8	2.9	6.7	0.2	0.0	0.3	0.1	0.0	0.3	5.1	3.1	6.9	0.0	0.0	0.0	0.3	0.0	0.7	0.4	0.0	0.8	0.7	0.4	1.0
8	Region 14	1.1	0.4	2.3	1.9	0.8	2.6	2.9	1.3	4.1	0.1	0.0	0.3	0.1	0.0	0.4	3.1	1.3	4.2	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.4	0.2	0.0	0.4
3	Region 17	2.1	1.9	2.2	2.2	1.1	3.6	4.3	3.2	5.6	0.1	0.0	0.2	0.2	0.0	0.3	4.6	3.6	5.8	0.0	0.0	0.0	0.4	0.3	0.5	0.5	0.2	0.6	0.8	0.6	1.0
3	Region 18	4.2	2.7	7.0	2.0	1.8	2.2	6.2	4.6	8.8	0.1	0.0	0.2	0.0	0.0	0.0	6.3	4.6	8.9	0.0	0.0	0.0	0.5	0.2	0.8	1.3	0.1	3.1	1.8	0.4	3.9
5	Region 19	2.9	2.2	3.2	1.8	0.8	2.7	4.7	3.6	5.8	0.1	0.0	0.3	0.3	0.0	1.2	5.1	3.7	6.0	0.0	0.0	0.0	0.2	0.0	0.5	0.9	0.4	1.3	1.1	0.4	1.6
5	Region 20	2.7	1.5	5.6	1.7	0.9	3.1	4.4	3.1	6.9	0.1	0.0	0.2	0.1	0.0	0.5	4.7	3.1	7.1	0.0	0.0	0.0	0.5	0.0	1.5	1.1	0.0	2.6	1.6	0.0	4.1
10	Region 21	2.2	1.4	2.8	1.6	0.7	3.0	3.8	2.4	5.2	0.2	0.1	0.3	0.7	0.0	1.5	4.6	2.6	6.1	0.0	0.0	0.0	0.3	0.0	0.5	0.9	0.0	1.5	1.2	0.0	1.8
3	Region 22	1.5	1.5	1.6	1.5	0.9	1.8	3.0	2.5	3.3	0.2	0.1	0.2	0.4	0.0	0.7	3.6	3.3	4.1	0.0	0.0	0.0	0.1	0.0	0.3	0.9	0.8	1.1	1.0	0.8	1.1
3	Region 23	2.3	2.1	2.4	1.7	1.4	2.0	3.9	3.6	4.2	0.2	0.1	0.2	1.1	0.6	1.5	5.1	4.3	6.0	0.0	0.0	0.0	0.4	0.3	0.4	1.2	1.2	1.2	1.6	1.6	1.6
3	Region 24	1.4	1.3	1.7	2.3	1.7	2.7	3.8	3.4	4.0	0.1	0.1	0.2	0.4	0.0	0.6	4.3	3.9	4.7	0.0	0.0	0.0	0.1	0.0	0.4	0.6	0.5	0.8	0.7	0.5	1.2
26	Region 25	1.9	1.3	2.5	1.7	1.0	2.7	3.6	2.2	4.9	0.1	0.1	0.2	0.0	0.0	0.0	3.8	2.4	5.1	0.0	0.0	0.0	0.2	0.0	1.1	0.9	0.0	1.3	1.1	0.5	1.8
28	Region 26	2.1	1.2	4.0	1.9	0.6	3.9	4.0	2.9	7.5	0.2	0.1	0.3	0.0	0.0	0.6	4.3	3.0	7.7	0.0	0.0	0.0	0.3	0.0	2.0	0.8	0.0	2.0	1.1	0.0	2.7
33	Region 28	1.9	1.2	4.0	1.5	0.3	2.5	3.4	2.2	5.6	0.1	0.0	0.3	0.1	0.0	0.5	3.6	2.2	5.6	0.0	0.0	0.0	0.3	0.0	0.7	0.7	0.0	2.0	1.0	0.0	2.6
74	Region 29	2.2	0.7	4.6	1.6	0.0	3.6	3.8	1.6	7.3	0.1	0.0	0.3	0.1	0.0	1.5	4.0	1.6	7.5	0.0	0.0	0.0	0.4	0.0	1.9	0.7	0.0	2.3	1.1	0.0	3.0
31	Region 30	2.2	1.0	4.0	1.8	0.5	3.5	4.0	1.9	5.9	0.2	0.1	0.3	0.1	0.0	0.9	4.2	2.1	6.9	0.0	0.0	0.0	0.4	0.0	1.3	0.8	0.0	1.5	1.1	0.0	2.8
14	Region 31	2.6	1.1	4.4	1.8	0.7	3.1	4.4	3.5	5.1	0.2	0.1	0.3	0.0	0.0	0.4	4.6	3.8	5.3	0.0	0.0	0.0	0.4	0.0	0.8	1.2	0.0	2.1	1.6	0.0	2.9
26	Region 32	2.2	0.6	5.7	1.9	1.0	3.3	4.1	2.0	7.8	0.2	0.1	0.3	0.0	0.0	0.7	4.3	2.2	8.8	0.0	0.0	0.0	0.4	0.0	1.3	0.8	0.0	2.2	1.2	0.0	3.1
24	Region 33	2.7	1.8	4.7	1.6	0.7	2.6	4.3	3.0	6.4	0.2	0.1	0.3	0.0	0.0	0.5	4.5	3.1	7.1	0.0	0.0	0.0	0.5	0.3	1.1	1.2	0.8	2.0	1.8	1.1	3.2
38	Region 34	2.5	1.3	4.3	1.6	0.6	3.7	4.2	2.6	5.6	0.2	0.1	0.3	0.2	0.0	1.9	4.6	2.7	7.3	0.0	0.0	0.0	0.5	0.0	1.0	1.0	0.0	2.2	1.5	0.0	3.1
9	Region 35	1.4	0.7	3.4	1.1	0.3	2.3	2.4	1.2	5.5	0.1	0.0	0.1	0.0	0.0	0.1	2.5	1.4	5.5	0.0	0.0	0.0	0.1	0.0	0.6	0.1	0.0	0.6	0.2	0.0	1.2
23	Region 36	2.2	1.1	4.2	2.4	1.3	3.7	4.7	2.8	7.9	0.1	0.0	0.2	0.1	0.0	0.8	4.9	2.9	8.1	0.0	0.0	0.3	0.4	0.0	1.5	0.7	0.0	2.2	1.1	0.0	2.9
417	**Ave. YM1**	**2.1**			**1.8**			**3.9**			**0.1**			**0.1**			**4.1**			**0.0**			**0.3**			**0.8**			**1.1**		
	Min. YM1		**0.4**			**0.0**			**1.2**			**0.0**			**0.0**			**1.3**			**0.0**			**0.0**			**0.0**			**0.0**	
	Max. YM1			**7.0**			**4.0**			**8.8**			**0.3**			**1.9**			**8.9**			**0.3**			**2.0**			**3.1**			**4.1**

TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2016/2017) (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.
GRADE: YM2																														
1	Region 11	8.3	-	-	2.8	-	-	11.1	-	-	0.2	-	-	0.0	-	-	11.3	-	-	0.0	-	-	2.5	-	-	3.4	-	-	5.9	-	-
1	Region 13	12.3	-	-	3.0	-	-	15.3	-	-	0.0	-	-	0.0	-	-	15.3	-	-	0.0	-	-	0.0	-	-	0.1	-	-	0.1	-	-
1	Region 17	2.5	-	-	1.6	-	-	4.2	-	-	0.4	-	-	0.5	-	-	5.1	-	-	0.0	-	-	0.4	-	-	1.1	-	-	1.6	-	-
1	Region 19	9.5	-	-	2.0	-	-	11.4	-	-	0.0	-	-	0.3	-	-	11.7	-	-	0.0	-	-	0.6	-	-	3.2	-	-	3.8	-	-
3	Region 20	3.6	1.2	5.9	2.9	1.5	4.1	6.5	2.7	9.0	0.1	0.0	0.2	1.0	0.0	2.3	7.6	5.0	9.2	0.0	0.0	0.0	0.9	0.0	1.9	1.0	0.2	1.8	1.9	0.2	2.9
1	Region 21	0.7	-	-	4.6	-	-	5.3	-	-	0.1	-	-	0.0	-	-	5.4	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	Region 23	2.5	-	-	6.7	-	-	9.2	-	-	0.2	-	-	0.0	-	-	9.4	-	-	0.0	-	-	0.3	-	-	0.9	-	-	1.1	-	-
6	Region 26	4.9	1.2	8.9	4.9	4.1	5.9	9.8	6.4	14.8	0.3	0.1	0.4	0.6	0.0	1.3	10.7	6.6	15.1	0.0	0.0	0.0	0.4	0.0	0.8	1.3	0.5	2.3	1.7	0.5	3.1
1	Region 29	6.9	-	-	2.4	-	-	9.3	-	-	0.3	-	-	0.0	-	-	9.6	-	-	0.0	-	-	0.7	-	-	1.2	-	-	1.9	-	-
2	Region 30	6.4	5.2	7.6	2.7	2.6	2.7	9.0	7.8	10.3	0.3	0.3	0.3	0.6	0.0	1.1	9.9	9.2	10.6	0.0	0.0	0.0	1.6	0.7	2.5	2.3	1.7	3.0	4.0	3.7	4.2
2	Region 33	7.5	3.7	11.2	6.9	4.2	9.6	14.3	13.3	15.4	0.3	0.2	0.5	1.2	0.5	1.9	15.8	14.3	17.4	0.0	0.0	0.0	1.7	0.9	2.5	4.0	1.9	6.2	5.8	2.8	8.7
2	Region 34	3.0	2.8	3.3	3.2	2.4	4.1	6.3	5.2	7.3	0.2	0.2	0.3	3.1	2.9	3.3	9.6	8.4	10.9	0.0	0.0	0.0	0.6	0.6	0.7	1.6	1.4	1.7	2.2	2.1	2.3
1	Region 35	2.5	-	-	5.1	-	-	7.6	-	-	0.3	-	-	0.6	-	-	8.5	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
5	Region 36	2.0	0.9	4.8	4.3	3.0	5.0	6.3	3.9	9.8	0.2	0.1	0.3	0.6	0.0	3.2	7.1	5.3	10.0	0.0	0.0	0.0	0.2	0.0	0.6	0.8	0.1	2.8	0.9	0.1	3.5
28	**Ave. YM2**	**4.6**			**4.1**			**8.7**			**0.2**			**0.7**			**9.6**			**0.0**			**0.7**			**1.4**			**2.1**		
	Min. YM2		**0.7**			**1.5**			**2.7**			**0.0**			**0.0**			**5.0**			**0.0**			**0.0**			**0.0**			**0.0**	
	Max. YM2			**12.3**			**9.6**			**15.4**			**0.5**			**3.3**			**17.4**			**0.0**			**2.5**			**6.2**			**8.7**

TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2016/2017) (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.
GRADE: YM3																														
1	Region 20	2.6	-	-	1.9	-	-	4.5	-	-	0.6	-	-	0.2	-	-	5.3	-	-	0.0	-	-	0.0	-	-	0.3	-	-	0.3	-	-
1	Region 30	24.3	-	-	1.8	-	-	26.1	-	-	0.2	-	-	3.1	-	-	29.4	-	-	0.0	-	-	3.4	-	-	14.2	-	-	17.6	-	-
2	**Ave. YM3**	**13.5**			**1.9**			**15.3**			**0.4**			**1.7**			**17.4**			**0.0**			**1.7**			**7.2**			**8.9**		
	Min. YM3		**2.6**			**1.8**			**4.5**			**0.2**			**0.2**			**5.3**			**0.0**			**0.0**			**0.3**			**0.3**	
	Max .YM3			**24.3**			**1.9**			**26.1**			**0.6**			**3.1**			**29.4**			**0.0**			**3.4**			**14.2**			**17.6**
CLASS: COM																														
2	Region 26	10.6	9.9	11.3	7.1	6.6	7.5	17.7	16.5	18.8	1.0	0.8	1.2	0.0	0.0	0.0	18.6	17.3	20.0	0.0	0.0	0.0	2.6	2.6	2.6	2.1	2.1	2.1	4.8	4.8	4.8
1	Region 30	3.2	-	-	1.4	-	-	4.7	-	-	0.2	-	-	6.9	-	-	11.7	-	-	0.0	-	-	0.7	-	-	1.8	-	-	2.5	-	-
1	Region 33	2.7	-	-	27.4	-	-	30.0	-	-	2.8	-	-	0.7	-	-	33.5	-	-	0.0	-	-	0.5	-	-	1.0	-	-	1.5	-	-
4	**Ave. COM**	**6.8**			**10.7**			**17.5**			**1.2**			**1.9**			**20.6**			**0.0**			**1.6**			**1.8**			**3.4**		
	Min. COM		**2.7**			**1.4**			**4.7**			**0.2**			**0.0**			**11.7**			**0.0**			**0.5**			**1.0**			**1.5**	
	Max. COM			**11.3**			**27.4**			**30.0**			**2.8**			**6.9**			**33.5**			**0.0**			**2.6**			**2.1**			**4.8**
451	**Ave. yellow maize**	**2.4**			**2.0**			**4.4**			**0.2**			**0.2**			**4.7**			**0.0**			**0.4**			**0.8**			**1.2**		
	Min. yellow maize		**0.4**			**0.0**			**1.2**			**0.0**			**0.0**			**1.3**			**0.0**			**0.0**			**0.0**			**0.0**	
	Max. yellow maize			**24.3**			**27.4**			**30.0**			**2.8**			**6.9**			**33.5**			**0.3**			**3.4**			**14.2**			**17.6**
1000	**Ave. maize**	**2.6**			**1.9**			**4.5**			**0.2**			**0.2**			**4.9**			**0.1**			**0.4**			**0.9**			**1.3**		
	Min. maize		**0.3**			**0.0**			**1.0**			**0.0**			**0.0**			**1.1**			**0.0**			**0.0**			**0.0**			**0.0**	
	Max. maize			**25.5**			**27.4**			**36.5**			**6.9**			**7.0**			**36.7**			**7.9**			**5.1**			**14.2**			**17.6**