TABLE 3: RSA GRADING OF YELLOW MAIZE (2005/2006)

Number of samples	Region	% Defective Kernels Above 6.35 mm sieve			% Defective Kernels Below 6.35 mm sieve			% Total defective			% Foreign matter			% Another Colour			% Total Deviation			% Pinked Kernels			% Diplodia Kernels			% Fusarium Kernels			% Cobrot Kernels		
		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: YM 1																															
15	Region 10	3.1	0.8	5.5	1.5	0.5	2.1	4.6	1.4	7.3	0.1	0.0	0.2	0.3	0.0	1.9	5.0	1.4	7.8	0.0	0.0	0.0	1.1	0.4	2.3	0.5	0.2	0.8	0.2	0.0	0.5
5	Region 11	3.7	2.4	6.0	2.7	1.9	3.5	6.5	5.4	7.9	0.2	0.2	0.2	0.0	0.0	0.0	6.7	5.6	8.0	0.0	0.0	0.0	0.8	0.0	2.0	0.5	0.0	1.0	0.2	0.0	0.5
4	Region 12	3.5	2.8	4.1	1.7	0.9	2.2	5.1	3.9	5.9	0.1	0.1	0.2	0.1	0.0	0.2	5.4	4.2	6.1	0.1	0.0	0.3	0.9	0.0	1.5	0.6	0.0	1.1	0.0	0.0	0.2
6	Region 13	4.5	3.6	6.7	1.4	0.5	1.9	5.9	5.0	7.2	0.1	0.1	0.2	0.3	0.0	0.9	6.3	5.1	8.0	0.0	0.0	0.0	0.9	0.7	1.2	0.8	0.5	1.2	0.1	0.0	0.4
15	Region 14	4.4	2.3	7.7	1.6	0.5	3.7	6.0	5.3	8.9	0.2	0.1	0.2	0.0	0.0	0.5	6.2	5.5	9.0	0.1	0.0	0.5	1.1	0.3	2.1	0.8	0.0	1.3	0.2	0.0	0.5
2	Region 15	4.5	2.9	6.2	1.6	1.4	1.8	6.1	4.3	8.0	0.2	0.2	0.2	0.0	0.0	0.0	6.3	4.4	8.1	0.3	0.0	0.7	0.9	0.7	1.1	0.4	0.0	0.9	0.0	0.0	0.0
4	Region 16	3.7	2.4	5.3	1.2	0.5	1.8	4.9	2.9	7.1	0.2	0.1	0.2	0.0	0.0	0.0	5.0	3.0	7.3	0.1	0.0	0.4	1.3	0.5	2.6	1.0	0.3	1.6	0.0	0.0	0.0
6	Region 17	4.6	3.7	5.8	2.1	1.8	2.7	6.7	5.5	8.5	0.2	0.1	0.3	0.0	0.0	0.1	6.9	5.6	8.8	0.1	0.0	0.4	0.8	0.6	1.9	1.0	0.4	1.9	0.2	0.0	0.5
5	Region 18	4.2	3.9	4.9	1.9	1.7	2.1	6.1	5.6	7.0	0.2	0.1	0.2	0.1	0.0	0.4	6.4	5.8	7.6	0.0	0.0	0.0	1.4	1.3	1.5	0.6	0.4	0.7	0.1	0.0	0.3
5	Region 19	4.6	4.0	6.0	1.6	1.2	1.9	6.3	5.8	7.1	0.2	0.1	0.2	0.2	0.0	0.5	6.6	6.0	7.6	0.0	0.0	0.0	1.0	0.7	1.3	0.9	0.4	1.7	0.2	0.0	0.7
5	Region 20	4.2	4.0	4.4	1.6	1.3	1.9	5.8	5.7	6.1	0.2	0.1	0.2	0.2	0.0	1.0	6.2	5.8	7.3	0.0	0.0	0.0	1.0	0.8	1.3	0.8	0.5	1.1	0.0	0.0	0.0
2	Region 21	3.2	2.4	4.1	2.3	2.3	2.4	5.6	4.8	6.4	0.2	0.1	0.2	0.3	0.0	0.5	6.0	4.9	7.1	0.5	0.0	1.1	0.8	0.3	1.4	0.6	0.3	0.9	0.0	0.0	0.0
1	Region 22	6.1	6.1	6.1	1.7	1.7	1.7	7.7	7.7	7.7	0.1	0.1	0.1	0.3	0.3	0.3	8.2	8.2	8.2	0.0	0.0	0.0	1.6	1.6	1.6	1.1	1.1	1.1	0.0	0.0	0.0
3	Region 23	3.7	2.6	4.3	1.9	1.4	2.5	5.6	5.1	6.2	0.1	0.1	0.2	0.0	0.0	0.0	5.8	5.2	6.4	0.0	0.0	0.0	1.0	0.6	1.5	0.7	0.4	1.0	0.2	0.0	0.6
8	Region 24	3.7	0.9	6.7	2.4	0.5	3.7	6.1	4.6	8.1	0.1	0.0	0.2	0.1	0.0	0.7	6.4	4.7	8.2	0.1	0.0	0.7	0.7	0.0	1.2	0.4	0.0	0.9	0.1	0.0	0.4
21	Region 25	4.1	1.7	7.1	1.8	1.0	3.6	5.9	3.7	8.6	0.2	0.1	0.2	0.1	0.0	0.9	6.2	3.9	8.8	0.1	0.0	0.7	1.1	0.0	1.7	0.5	0.0	1.0	0.2	0.0	0.4
18	Region 26	4.8	3.3	6.9	1.6	0.9	3.4	6.4	5.2	8.5	0.2	0.1	0.2	0.2	0.0	0.9	6.8	5.8	8.8	0.0	0.0	0.7	1.1	0.4	2.6	0.7	0.3	1.2	0.1	0.0	0.5
1	Region 27	3.5	3.5	3.5	1.6	1.6	1.6	5.0	5.0	5.0	0.2	0.2	0.2	0.0	0.0	0.0	5.2	5.2	5.2	0.0	0.0	0.0	1.2	1.2	1.2	0.8	0.8	0.8	0.0	0.0	0.0
20	Region 28	4.4	1.7	7.4	1.7	0.8	3.9	6.0	2.6	8.8	0.2	0.1	0.2	0.0	0.0	0.0	6.2	2.7	9.0	0.3	0.0	2.4	1.0	0.0	2.4	0.6	0.0	1.6	0.2	0.0	1.0
7	Region 29	3.9	3.7	4.1	2.0	1.8	2.5	5.9	5.6	6.5	0.2	0.1	0.2	0.1	0.0	0.4	6.2	5.8	6.7	0.3	0.0	0.7	0.8	0.5	1.3	1.2	0.9	1.4	0.1	0.0	0.4
23	Region 30	3.9	1.7	5.7	2.3	1.6	3.6	6.2	3.3	8.0	0.2	0.1	0.3	0.1	0.0	0.6	6.4	3.4	8.9	0.1	0.0	0.9	1.1	0.7	1.9	0.8	0.0	1.4	0.1	0.0	0.5
1	Region 32	3.1	3.1	3.1	1.5	1.5	1.5	4.5	4.5	4.5	0.1	0.1	0.1	0.3	0.3	0.3	5.0	5.0	5.0	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3
18	Region 33	3.7	1.9	7.2	1.7	0.6	3.1	5.4	3.2	7.8	0.2	0.1	0.2	0.1	0.0	0.5	5.6	3.3	8.0	0.2	0.0	1.6	1.0	0.0	1.9	1.0	0.4	1.4	0.1	0.0	0.6
8	Region 34	4.6	1.8	7.0	1.6	0.6	2.5	6.2	2.4	8.6	0.2	0.1	0.2	0.1	0.0	0.4	6.5	2.8	8.8	0.0	0.0	0.0	1.0	0.4	2.3	1.2	0.5	1.9	0.3	0.0	0.6
6	Region 35	1.4	0.8	1.9	1.0	0.0	1.9	2.4	1.2	3.4	0.1	0.0	0.2	0.0	0.0	0.0	2.5	1.3	3.6	0.0	0.0	0.0	0.1	0.0	0.4	0.6	0.0	1.5	0.0	0.0	0.0
209	**Ave YM 1**	4.0			1.8			5.8			0.2			0.1			6.0			0.1			1.0			0.7			0.1		
	Min YM 1		0.8			0.0			1.2			0.0			0.0			1.3			0.0			0.0			0.0			0.0	
	Max YM 1			7.7			3.9			8.9			0.3			1.9			9.0			2.4			2.6			1.9			1.0

TABLE 3: RSA GRADING OF YELLOW MAIZE (2005/2006) (continue)

Number of samples	Region	% Defective Kernels Above 6.35 mm sieve			% Defective Kernels Below 6.35 mm sieve			% Total defective			% Foreign matter			% Another Colour			% Total Deviation			% Pinked Kernels			% Diplodia Kernels			% Fusarium Kernels			% Cobrot Kernels		
		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: YM 2																															
2	Region 10	4.3	3.0	5.6	2.6	1.3	3.9	6.9	4.3	9.5	0.2	0.2	0.2	1.7	0.4	3.0	8.8	7.5	10.1	0.0	0.0	0.0	1.9	0.8	3.0	0.5	0.4	0.6	0.2	0.0	0.4
5	Region 13	10.3	7.3	17.0	1.2	0.3	2.2	11.5	8.8	17.3	0.2	0.1	0.3	0.2	0.0	0.4	11.9	9.4	17.6	0.1	0.0	0.4	2.0	1.0	3.8	2.0	1.2	3.5	0.6	0.0	1.1
6	Region 14	9.4	5.3	15.6	2.2	0.6	4.6	11.5	9.5	16.4	0.1	0.1	0.2	0.7	0.2	2.4	12.4	10.1	17.0	0.2	0.0	0.5	2.1	0.9	3.3	1.6	1.0	2.6	0.9	0.0	3.9
1	Region 15	3.5	3.5	3.5	4.2	4.2	4.2	7.7	7.7	7.7	0.2	0.2	0.2	0.4	0.4	0.4	8.3	8.3	8.3	0.0	0.0	0.0	0.5	0.5	0.5	1.0	1.0	1.0	0.0	0.0	0.0
3	Region 16	10.0	9.2	11.2	1.8	0.7	3.3	11.8	10.5	13.0	0.3	0.2	0.3	0.3	0.0	1.0	12.4	11.7	13.3	0.0	0.0	0.0	2.7	2.2	3.3	1.9	1.3	2.4	0.5	0.4	0.6
5	Region 17	7.8	3.0	10.5	3.6	1.1	5.2	11.3	8.0	15.7	0.2	0.2	0.3	0.3	0.0	0.6	11.8	8.1	16.5	0.1	0.0	0.4	1.2	0.0	2.2	1.2	0.0	3.5	0.3	0.0	0.5
4	Region 18	8.2	5.7	13.4	3.8	2.1	5.1	12.0	10.2	16.3	0.2	0.2	0.3	0.3	0.0	0.7	12.6	11.1	16.9	0.5	0.0	1.8	2.5	1.7	3.7	1.9	0.6	4.3	0.3	0.0	0.6
4	Region 19	8.0	6.5	9.0	2.9	2.1	4.2	10.9	9.0	13.0	0.2	0.1	0.3	0.2	0.0	0.4	11.3	9.7	13.2	0.0	0.0	0.0	1.6	1.1	2.5	1.5	0.9	2.3	0.4	0.0	0.7
4	Region 20	7.2	6.2	8.1	1.7	0.8	2.7	8.8	8.8	8.9	0.2	0.2	0.3	0.4	0.0	0.5	9.4	9.1	9.6	0.2	0.0	0.5	1.7	1.2	2.1	0.9	0.6	1.4	0.3	0.0	0.4
6	Region 21	8.2	5.8	11.3	1.9	1.3	3.3	10.1	7.9	12.9	0.2	0.1	0.2	0.6	0.0	1.6	10.9	9.2	13.1	0.1	0.0	0.8	1.4	1.0	2.0	0.9	0.6	1.2	0.3	0.0	0.7
4	Region 22	7.3	6.9	8.3	1.7	1.1	2.8	9.0	8.3	9.7	0.2	0.1	0.2	1.5	0.6	2.5	10.7	9.8	12.1	0.1	0.0	0.3	1.8	1.1	2.6	1.2	1.1	1.2	0.2	0.0	0.5
2	Region 23	14.7	14.6	14.8	1.1	1.0	1.2	15.8	15.8	15.9	0.2	0.2	0.2	0.2	0.0	0.3	16.2	16.0	16.4	0.0	0.0	0.0	3.2	2.8	3.6	1.0	0.5	1.5	1.0	0.9	1.0
4	Region 24	10.9	7.7	17.5	2.4	0.6	4.1	13.3	9.8	18.1	0.2	0.1	0.2	0.4	0.0	0.8	13.9	10.8	19.0	0.0	0.0	0.0	1.9	1.5	3.0	1.1	0.8	1.2	0.6	0.4	0.8
8	Region 25	8.8	5.7	12.0	2.7	1.1	3.9	11.5	8.6	15.5	0.3	0.2	0.3	0.3	0.0	1.1	12.0	9.3	16.1	0.1	0.0	0.4	2.9	1.4	4.5	1.3	0.7	2.3	0.7	0.5	1.3
6	Region 26	6.9	2.2	11.0	2.3	1.5	3.2	9.2	4.8	12.5	0.2	0.1	0.3	1.1	0.0	3.6	10.5	8.6	12.9	0.1	0.0	0.6	1.8	0.4	3.1	0.8	0.4	1.6	0.3	0.0	0.6
1	Region 27	7.0	7.0	7.0	1.9	1.9	1.9	8.9	8.9	8.9	0.2	0.2	0.2	0.0	0.0	0.0	9.1	9.1	9.1	0.9	0.9	0.9	1.3	1.3	1.3	0.9	0.9	0.9	0.7	0.7	0.7
11	Region 28	8.5	6.9	15.2	3.1	0.6	8.3	11.6	9.3	16.1	0.2	0.1	0.4	0.1	0.0	0.6	11.9	9.5	16.5	0.4	0.0	1.6	2.7	1.2	6.1	1.1	0.4	2.1	0.6	0.0	1.2
2	Region 29	7.7	6.0	9.4	2.0	1.6	2.4	9.7	8.4	11.0	0.2	0.2	0.2	0.6	0.5	0.7	10.5	9.4	11.6	0.7	0.0	1.4	2.6	2.0	3.2	1.0	1.0	1.0	0.5	0.5	0.5
3	Region 30	5.2	2.1	7.6	3.0	1.3	4.7	8.2	6.8	9.0	0.2	0.1	0.2	0.1	0.0	0.4	8.5	6.9	9.5	0.5	0.0	1.5	1.4	0.4	2.0	0.9	0.4	1.3	0.3	0.0	0.5
1	Region 33	2.6	2.6	2.6	5.6	5.6	5.6	8.2	8.2	8.2	0.1	0.1	0.1	0.4	0.4	0.4	8.7	8.7	8.7	1.1	1.1	1.1	0.7	0.7	0.7	0.4	0.4	0.4	0.0	0.0	0.0
4	Region 34	9.2	6.9	10.5	2.0	1.5	2.4	11.2	9.3	12.5	0.2	0.1	0.3	0.1	0.0	0.4	11.6	9.5	12.8	0.0	0.0	0.0	1.5	1.2	1.8	1.8	0.8	2.8	0.4	0.0	0.8
86	Ave YM 2	8.3			2.5			10.8			0.2			0.4			11.5			0.2			2.0			1.3			0.5		
	Min YM 2		2.1			0.3			4.3			0.1			0.0			6.9			0.0			0.0			0.0			0.0	
	Max YM 2			17.5			8.3			18.1			0.4			3.6			19.0			1.8			6.1			4.3			3.9

14

TABLE 3: RSA GRADING OF YELLOW MAIZE (2005/2006) (continue)

Number of samples	Region	% Defective Kernels Above 6.35 mm sieve			% Defective Kernels Below 6.35 mm sieve			% Total defective			% Foreign matter			% Another Colour			% Total Deviation			% Pinked Kernels			% Diplodia Kernels			% Fusarium Kernels			% Cobrot Kernels		
		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: YM 3																														
2	Region 14	20.7	17.8	23.7	1.7	1.4	2.0	22.4	19.8	25.0	0.2	0.2	0.3	0.3	0.2	0.4	22.9	20.3	25.6	0.0	0.0	0.0	4.1	4.0	4.3	1.8	1.7	2.0	0.7	0.5	0.9
1	Region 19	15.6	15.6	15.6	4.6	4.6	4.6	20.1	20.1	20.1	0.2	0.2	0.2	0.4	0.4	0.4	20.7	20.7	20.7	0.0	0.0	0.0	3.9	3.9	3.9	2.0	2.0	2.0	1.0	1.0	1.0
1	Region 20	14.6	14.6	14.6	5.1	5.1	5.1	19.7	19.7	19.7	0.2	0.2	0.2	0.4	0.4	0.4	20.3	20.3	20.3	0.6	0.6	0.6	2.4	2.4	2.4	1.0	1.0	1.0	0.6	0.6	0.6
1	Region 28	14.2	14.2	14.2	6.2	6.2	6.2	20.4	20.4	20.4	0.4	0.4	0.4	0.0	0.0	0.0	20.8	20.8	20.8	0.0	0.0	0.0	7.3	7.3	7.3	2.3	2.3	2.3	1.4	1.4	1.4
5	**Ave YM 3**	17.2			3.9			21.0			0.3			0.3			21.5			0.1			4.3			1.8			0.9		
	Min YM 3		14.2			1.4			19.7			0.2			0.0			20.3			0.0			2.4			1.0			0.5	
	Max YM 3			23.7			6.2			25.0			0.4			0.4			25.6			0.6			7.3			2.3			1.4
	GRADE: COM																														
1	Region 12	7.0	7.0	7.0	1.8	1.8	1.8	8.9	8.9	8.9	0.2	0.2	0.2	6.5	6.5	6.5	15.5	15.5	15.5	0.0	0.0	0.0	1.4	1.4	1.4	0.8	0.8	0.8	0.4	0.4	0.4
1	Region 16	3.7	3.7	3.7	2.3	2.3	2.3	6.0	6.0	6.0	0.2	0.2	0.2	5.5	5.5	5.5	11.7	11.7	11.7	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
1	Region 21	4.7	4.7	4.7	1.6	1.6	1.6	6.3	6.3	6.3	0.2	0.2	0.2	5.2	5.2	5.2	11.6	11.6	11.6	1.4	1.4	1.4	0.7	0.7	0.7	0.8	0.8	0.8	0.6	0.6	0.6
1	Region 23	20.2	20.2	20.2	9.8	9.8	9.8	30.0	30.0	30.0	0.2	0.2	0.2	2.4	2.4	2.4	32.7	32.7	32.7	0.4	0.4	0.4	3.4	3.4	3.4	3.4	3.4	3.4	1.1	1.1	1.1
1	Region 26	7.7	7.7	7.7	5.5	5.5	5.5	13.2	13.2	13.2	0.2	0.2	0.2	9.6	9.6	9.6	23.0	23.0	23.0	0.0	0.0	0.0	1.7	1.7	1.7	0.6	0.6	0.6	0.0	0.0	0.0
1	Region 28	7.5	7.5	7.5	0.8	0.8	0.8	8.2	8.2	8.2	0.2	0.2	0.2	5.9	5.9	5.9	14.3	14.3	14.3	0.4	0.4	0.4	2.5	2.5	2.5	1.1	1.1	1.1	0.5	0.5	0.5
1	Region 33	5.8	5.8	5.8	0.3	0.3	0.3	6.1	6.1	6.1	0.0	0.0	0.0	16.7	16.7	16.7	22.8	22.8	22.8	1.9	1.9	1.9	1.3	1.3	1.3	1.1	1.1	1.1	0.6	0.6	0.6
7	**Ave COM**	8.1			3.1			11.2			0.2			7.4			18.8			0.6			1.7			1.2			0.5		
	Min COM		3.7			0.3			6.0			0.0			2.4			11.6			0.0			0.6			0.6			0.0	
	Max COM			20.2			9.8			30.0			0.2			16.7			32.7			1.9			3.4			3.4			1.1
307	**Ave yellow maize**	5.5			2.0			7.6			0.2			0.4			8.1			0.1			1.4			0.9			0.3		
	Min yellow maize		0.8			0.0			1.2			0.0			0.0			1.3			0.0			0.0			0.0			0.0	
	Max yellow maize			23.7			9.8			30.0			0.4			16.7			32.7			2.4			7.3			4.3			3.9
900	**Ave maize**	5.9			1.9			7.8			0.2			0.3			8.2			0.4			1.3			1.1			0.3		
	Min maize		0.5			0.0			1.0			0.0			0.0			1.0			0.0			0.0			0.0			0.0	
	Max maize			27.9			9.8			30.0			0.7			16.7			32.7			2.4			9.0			6.7			3.9

COM: Class Other Maize