

TABLE 6: USA GRADING OF YELLOW MAIZE (2010/2011)

Number of samples	Region	Damaged kernels						% Broken corn and foreign material			Bushel weight lbs			% Other colour		
		% Heat damaged			% Total damaged			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
		ave.	min.	max.	ave.	min.	max.									
GRADE: US 1																
24	Region 10	0.0	0.0	0.0	2.0	0.8	3.0	0.5	0.0	0.9	60.1	58.4	63.3	0.0	0.0	0.0
1	Region 11	0.0	0.0	0.0	2.2	2.2	2.2	0.2	0.2	0.2	58.8	58.8	58.8	0.0	0.0	0.0
3	Region 12	0.0	0.0	0.0	2.3	1.9	2.5	0.5	0.4	0.6	59.1	58.6	59.4	0.0	0.0	0.0
1	Region 13	0.0	0.0	0.0	2.4	2.4	2.4	0.5	0.5	0.5	60.1	60.1	60.1	0.0	0.0	0.0
2	Region 14	0.0	0.0	0.0	2.2	2.0	2.4	0.7	0.4	0.9	59.9	59.2	60.5	0.0	0.0	0.0
1	Region 18	0.0	0.0	0.0	3.0	3.0	3.0	0.5	0.5	0.5	61.2	61.2	61.2	0.0	0.0	0.0
1	Region 19	0.0	0.0	0.0	2.3	2.3	2.3	0.7	0.7	0.7	60.5	60.5	60.5	0.0	0.0	0.0
1	Region 21	0.0	0.0	0.0	2.9	2.9	2.9	0.5	0.5	0.5	58.2	58.2	58.2	0.0	0.0	0.0
2	Region 22	0.0	0.0	0.0	2.0	1.7	2.3	0.6	0.5	0.7	59.0	58.5	59.6	0.0	0.0	0.0
2	Region 23	0.0	0.0	0.0	2.1	1.7	2.5	0.7	0.6	0.7	59.7	59.5	60.0	0.0	0.0	0.0
2	Region 25	0.0	0.0	0.0	2.3	2.0	2.6	0.9	0.6	1.2	58.7	58.5	59.0	0.2	0.2	0.2
6	Region 26	0.0	0.0	0.0	2.5	2.0	2.9	0.6	0.2	0.9	59.5	58.2	61.0	0.0	0.0	0.0
14	Region 28	0.0	0.0	0.0	2.0	1.3	3.0	0.4	0.0	1.1	58.7	57.1	60.8	0.2	0.0	1.4
3	Region 30	0.0	0.0	0.0	2.1	1.0	2.9	1.0	0.5	1.4	60.1	58.7	61.0	0.0	0.0	0.0
7	Region 32	0.0	0.0	0.0	2.3	1.4	3.0	0.6	0.5	0.8	60.0	58.0	61.5	0.1	0.0	0.4
4	Region 33	0.0	0.0	0.0	2.5	2.1	3.0	0.5	0.3	0.8	57.7	56.6	58.3	0.0	0.0	0.0
8	Region 34	0.0	0.0	0.0	2.6	1.8	3.0	0.6	0.3	1.0	60.1	59.4	62.1	0.0	0.0	0.0
3	Region 35	0.0	0.0	0.0	1.7	0.9	2.5	0.4	0.2	0.6	59.9	59.7	60.4	0.1	0.0	0.4
11	Region 36	0.0	0.0	0.0	2.3	1.4	3.0	0.7	0.1	1.7	59.5	56.4	61.0	0.0	0.0	0.4
96	Ave US 1	0.0			2.2			0.6			59.6			0.0		
	Min US 1	0.0			0.8			0.0			56.4			0.0		
	Max US 1	0.0			3.0			1.7			63.3			1.4		
GRADE: US 2																
5	Region 10	0.0	0.0	0.0	3.7	3.1	5.0	0.6	0.1	1.1	59.8	58.5	61.3	0.0	0.0	0.0
2	Region 12	0.0	0.0	0.0	4.5	4.4	4.6	0.6	0.3	0.8	60.1	60.0	60.1	0.2	0.0	0.3
3	Region 13	0.0	0.0	0.0	4.1	3.2	4.8	0.9	0.5	1.2	59.9	59.4	60.2	0.0	0.0	0.0
7	Region 14	0.0	0.0	0.0	4.0	3.5	4.9	0.9	0.4	2.1	58.9	57.9	59.7	0.2	0.0	0.7
6	Region 17	0.0	0.0	0.0	3.7	3.2	4.4	0.7	0.4	1.1	59.3	57.7	60.1	0.2	0.0	1.0
2	Region 18	0.0	0.0	0.0	4.5	4.1	5.0	0.7	0.7	0.7	59.5	59.0	60.0	0.2	0.0	0.4
6	Region 19	0.0	0.0	0.0	4.0	3.7	4.3	1.0	0.9	1.1	58.5	56.8	59.6	0.1	0.0	0.3
2	Region 20	0.0	0.0	0.0	4.9	4.8	5.0	0.5	0.2	0.8	59.4	59.0	59.7	0.3	0.0	0.7
2	Region 23	0.0	0.0	0.0	3.3	3.1	3.5	0.9	0.6	1.2	59.6	57.9	61.4	0.0	0.0	0.0
1	Region 24	0.0	0.0	0.0	3.9	3.9	3.9	0.5	0.5	0.5	60.1	60.1	60.1	1.9	1.9	1.9
10	Region 25	0.0	0.0	0.0	4.4	3.1	5.0	0.8	0.2	1.6	60.3	58.2	61.1	0.0	0.0	0.4
1	Region 26	0.0	0.0	0.0	3.6	3.6	3.6	1.1	1.1	1.1	59.9	59.9	59.9	0.0	0.0	0.0
4	Region 27	0.0	0.0	0.0	3.5	3.1	4.0	1.3	1.1	1.5	58.8	58.5	59.0	0.0	0.0	0.0
11	Region 28	0.0	0.0	0.0	3.8	1.1	4.9	1.0	0.4	2.1	57.8	55.5	59.3	0.2	0.0	0.6
3	Region 30	0.0	0.0	0.0	3.8	3.4	4.4	0.5	0.4	0.5	59.7	59.6	59.9	0.0	0.0	0.0
1	Region 31	0.0	0.0	0.0	4.0	4.0	4.0	1.0	1.0	1.0	61.1	61.1	61.1	0.0	0.0	0.0
1	Region 32	0.0	0.0	0.0	3.8	3.8	3.8	0.7	0.7	0.7	59.0	59.0	59.0	0.0	0.0	0.0
2	Region 33	0.0	0.0	0.0	4.7	4.4	5.0	0.5	0.3	0.7	58.3	57.6	58.9	0.0	0.0	0.0
11	Region 34	0.0	0.0	0.0	3.7	3.2	4.0	0.8	0.4	1.8	59.1	56.0	61.4	0.5	0.0	1.9
4	Region 36	0.0	0.0	0.0	3.8	3.5	4.2	0.5	0.3	1.0	60.1	59.4	61.3	0.2	0.0	0.7
84	Ave US 2	0.0			4.0			0.8			59.2			0.2		
	Min US 2	0.0			1.1			0.1			55.5			0.0		
	Max US 2	0.0			5.0			2.1			61.4			1.9		

TABLE 6: USA GRADING OF YELLOW MAIZE (2010/2011) (continue)

Number of samples	Region	Damaged kernels						% Broken corn and foreign material			Bushel weight lbs			% Other colour		
		% Heat damaged			% Total damaged			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
		ave.	min.	max.	ave.	min.	max.									
GRADE: US 3																
1	Region 08	0.0	0.0	0.0	5.5	5.5	5.5	0.6	0.6	0.6	53.6	53.6	53.6	0.0	0.0	0.0
2	Region 13	0.0	0.0	0.0	5.4	5.2	5.6	0.6	0.6	0.7	59.6	59.4	59.8	0.2	0.0	0.5
2	Region 14	0.0	0.0	0.0	6.8	6.7	7.0	0.3	0.1	0.4	60.4	60.1	60.7	0.0	0.0	0.0
1	Region 15	0.0	0.0	0.0	5.8	5.8	5.8	0.9	0.9	0.9	58.9	58.9	58.9	0.3	0.3	0.3
2	Region 16	0.0	0.0	0.0	6.1	5.8	6.5	0.4	0.3	0.5	59.2	58.9	59.5	0.5	0.0	1.1
3	Region 17	0.0	0.0	0.0	5.7	5.3	6.0	0.7	0.6	0.9	59.6	58.8	60.6	0.7	0.0	1.1
4	Region 18	0.0	0.0	0.0	6.0	5.3	6.9	1.1	0.8	1.3	59.5	59.0	59.7	0.5	0.4	0.6
4	Region 19	0.0	0.0	0.0	6.0	5.4	6.4	0.9	0.4	1.7	60.3	58.7	61.5	0.0	0.0	0.0
7	Region 20	0.0	0.0	0.0	5.9	5.1	6.8	0.8	0.5	1.5	58.9	58.3	59.7	0.1	0.0	0.5
1	Region 22	0.0	0.0	0.0	6.6	6.6	6.6	0.9	0.9	0.9	57.7	57.7	57.7	0.0	0.0	0.0
4	Region 23	0.0	0.0	0.0	6.1	5.7	6.7	0.8	0.5	1.3	59.8	58.7	61.4	0.6	0.0	1.2
8	Region 25	0.0	0.0	0.0	6.0	5.1	7.0	1.0	0.9	1.3	59.6	58.2	61.1	0.3	0.0	0.9
1	Region 26	0.0	0.0	0.0	5.5	5.5	5.5	1.0	1.0	1.0	59.7	59.7	59.7	0.4	0.4	0.4
3	Region 27	0.0	0.0	0.0	6.4	6.0	6.8	1.6	1.3	2.3	57.5	54.9	59.0	0.0	0.0	0.0
4	Region 28	0.0	0.0	0.0	4.6	1.2	6.2	0.8	0.2	1.1	57.3	53.7	59.9	0.0	0.0	0.0
1	Region 30	0.0	0.0	0.0	5.4	5.4	5.4	1.7	1.7	1.7	61.2	61.2	61.2	0.8	0.8	0.8
1	Region 36	0.0	0.0	0.0	5.6	5.6	5.6	0.6	0.6	0.6	59.6	59.6	59.6	0.0	0.0	0.0
49	Ave US 3	0.0			5.9			0.9			59.1			0.3		
	Min US 3		0.0			1.2			0.1			53.6			0.0	
	Max US 3			0.0			7.0			2.3			61.5			1.2
GRADE: US 4																
2	Region 12	0.0	0.0	0.0	8.1	7.3	9.0	0.9	0.8	0.9	58.5	58.0	59.0	0.3	0.0	0.6
1	Region 13	0.0	0.0	0.0	7.6	7.6	7.6	0.8	0.8	0.8	59.3	59.3	59.3	0.4	0.4	0.4
3	Region 14	0.2	0.0	0.6	8.2	5.0	10.0	0.6	0.3	0.8	59.2	58.1	60.4	0.0	0.0	0.0
2	Region 16	0.0	0.0	0.0	8.2	7.5	9.0	1.7	0.3	3.1	58.9	58.1	59.7	0.5	0.4	0.5
3	Region 19	0.0	0.0	0.0	8.7	8.4	9.1	1.5	0.9	2.5	57.7	57.3	58.2	0.2	0.0	0.5
3	Region 20	0.0	0.0	0.0	7.9	7.5	8.6	1.0	0.9	1.2	59.0	58.1	59.7	0.1	0.0	0.4
5	Region 23	0.0	0.0	0.0	8.1	7.2	8.8	0.7	0.6	0.8	59.6	57.7	60.4	0.7	0.4	0.9
5	Region 25	0.0	0.0	0.0	7.7	7.1	8.2	1.5	0.2	3.4	58.8	57.2	61.0	0.3	0.0	0.9
4	Region 26	0.0	0.0	0.0	8.0	7.4	8.5	0.7	0.5	0.9	57.5	56.1	58.4	0.1	0.0	0.4
4	Region 28	0.0	0.0	0.0	7.2	6.4	7.6	2.0	0.6	4.3	58.2	57.5	59.7	0.4	0.0	0.5
1	Region 33	0.0	0.0	0.0	7.1	7.1	7.1	1.1	1.1	1.1	54.5	54.5	54.5	0.5	0.5	0.5
33	Ave US 4	0.0			7.9			1.2			58.5			0.3		
	Min US 4		0.0			5.0			0.2			54.5			0.0	
	Max US 4			0.6			10.0			4.3			61.0			0.9
GRADE: US 5																
1	Region 12	0.0	0.0	0.0	12.4	12.4	12.4	0.5	0.5	0.5	60.0	60.0	60.0	0.5	0.5	0.5
2	Region 13	0.0	0.0	0.0	13.1	12.3	14.0	1.0	0.9	1.2	58.8	58.4	59.3	0.6	0.0	1.2
1	Region 14	0.0	0.0	0.0	11.3	11.3	11.3	0.6	0.6	0.6	58.5	58.5	58.5	0.0	0.0	0.0
1	Region 16	0.0	0.0	0.0	11.8	11.8	11.8	0.7	0.7	0.7	59.0	59.0	59.0	0.0	0.0	0.0
1	Region 18	0.0	0.0	0.0	12.2	12.2	12.2	1.1	1.1	1.1	58.0	58.0	58.0	1.1	1.1	1.1
1	Region 19	0.0	0.0	0.0	12.0	12.0	12.0	1.1	1.1	1.1	57.8	57.8	57.8	0.4	0.4	0.4
4	Region 23	0.0	0.0	0.0	12.3	10.3	14.2	1.2	0.7	1.9	58.7	58.2	59.3	1.1	0.0	3.6
3	Region 25	0.0	0.0	0.0	8.7	5.2	10.9	3.1	1.3	6.4	58.6	57.5	60.8	0.1	0.0	0.4
14	Ave US 5	0.0			11.5			1.4			58.7			0.6		
	Min US 5		0.0			5.2			0.5			57.5			0.0	
	Max US 5			0.0			14.2			6.4			60.8			3.6

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		% Heat damaged			% Total damaged			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
		ave.	min.	max.	ave.	min.	max.									
GRADE: Mixed Grade 1	Region 20	0.0	0.0	0.0	16.7	16.7	16.7	0.9	0.9	0.9	57.7	57.7	57.7	6.2	6.2	6.2
1 Ave Sample Grade		0.0			16.7			0.9			57.7			6.2		
Min Sample Grade		0.0			16.7			0.9			57.7			6.2		
Max Sample Grade				0.0			16.7			0.9			57.7			6.2
GRADE: Sample Grade 1	Region 12	0.0	0.0	0.0	31.1	31.1	31.1	2.9	2.9	2.9	58.1	58.1	58.1	0.5	0.5	0.5
1	Region 20	0.0	0.0	0.0	20.5	20.5	20.5	2.0	2.0	2.0	57.3	57.3	57.3	0.6	0.6	0.6
1	Region 23	0.0	0.0	0.0	22.0	22.0	22.0	0.6	0.6	0.6	57.6	57.6	57.6	0.0	0.0	0.0
3 Ave Sample Grade		0.0			24.5			1.9			57.6			0.4		
Min Sample Grade		0.0			20.5			0.6			57.3			0.0		
Max Sample Grade				0.0			31.1			2.9			58.1			0.6
280 Ave yellow maize		0.0			4.8			0.8			59.2			0.2		
Min yellow maize		0.0			0.8			0.0			53.6			0.0		
Max yellow maize				0.6			31.1			6.4			63.3			6.2
693 Ave maize		0.1			5.0			0.8			59.9			0.3		
Min maize		0.0			0.5			0.0			53.6			0.0		
Max maize				66.0			67.1			7.3			63.5			23.2

