

TABLE 9: USA GRADING OF YELLOW MAIZE (2005/06)

Number of samples	Region	Damaged kernels						% Broken corn and foreign material			Hectolitre mass kg/hl			Other colour %		
		% Heat damaged			% Total damaged			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
		ave.	min.	max.	ave.	min.	max.									
GRADE: US 1																
7	Region 10	0.0	0.0	0.0	1.6	0.7	3.0	0.5	0.1	1.2	78.7	78.0	79.4	0.2	0.0	1.7
1	Region 11	0.0	0.0	0.0	2.9	2.9	2.9	2.0	2.0	2.0	77.5	77.5	77.5	0.0	0.0	0.0
2	Region 12	0.0	0.0	0.0	3.0	3.0	3.0	0.9	0.4	1.4	77.1	76.6	77.5	0.1	0.0	0.2
1	Region 14	0.0	0.0	0.0	3.0	3.0	3.0	1.4	1.4	1.4	75.0	75.0	75.0	0.0	0.0	0.0
1	Region 15	0.0	0.0	0.0	3.0	3.0	3.0	1.0	1.0	1.0	76.7	76.7	76.7	0.0	0.0	0.0
1	Region 16	0.0	0.0	0.0	2.7	2.7	2.7	0.3	0.3	0.3	76.6	76.6	76.6	0.0	0.0	0.0
1	Region 21	0.0	0.0	0.0	2.4	2.4	2.4	1.3	1.3	1.3	73.9	73.9	73.9	0.0	0.0	0.0
1	Region 23	0.0	0.0	0.0	2.6	2.6	2.6	0.9	0.9	0.9	76.5	76.5	76.5	0.0	0.0	0.0
1	Region 24	0.0	0.0	0.0	3.0	3.0	3.0	1.2	1.2	1.2	78.4	78.4	78.4	0.0	0.0	0.0
3	Region 25	0.0	0.0	0.0	2.3	2.0	2.6	0.8	0.6	1.0	75.8	74.9	77.0	0.2	0.0	0.5
1	Region 26	0.0	0.0	0.0	2.4	2.4	2.4	1.0	1.0	1.0	74.5	74.5	74.5	3.6	3.6	3.6
4	Region 28	0.0	0.0	0.0	2.1	1.8	2.4	0.8	0.4	1.2	75.5	74.9	76.1	0.0	0.0	0.0
4	Region 30	0.0	0.0	0.0	2.2	1.8	2.7	1.2	0.9	1.4	80.3	79.4	81.0	0.0	0.0	0.0
6	Region 33	0.0	0.0	0.0	2.5	1.9	2.9	0.9	0.5	1.9	75.6	74.4	77.0	0.1	0.0	0.4
1	Region 34	0.0	0.0	0.0	1.8	1.8	1.8	0.2	0.2	0.2	76.7	76.7	76.7	0.3	0.3	0.3
6	Region 35	0.0	0.0	0.0	1.6	0.7	2.3	0.9	0.4	1.3	75.2	72.3	78.1	0.0	0.0	0.0
41	Ave US 1	0.0			2.2			0.9			76.7			0.2		
	Min US 1	0.0			0.7			0.1			72.3			0.0		
	Max US 1	0.0			3.0			2.0			81.0			3.6		
GRADE: US 2																
7	Region 10	0.0	0.0	0.0	4.1	3.1	5.0	1.0	0.8	1.2	77.9	76.6	78.8	0.7	0.0	3.0
3	Region 11	0.0	0.0	0.0	3.7	2.6	4.5	1.9	1.4	2.5	77.3	75.7	79.2	0.0	0.0	0.0
2	Region 12	0.0	0.0	0.0	4.1	4.0	4.2	0.9	0.9	0.9	74.4	73.1	75.7	0.1	0.0	0.2
5	Region 13	0.0	0.0	0.0	4.1	3.6	4.7	0.7	0.6	0.9	75.5	74.5	77.1	0.2	0.0	0.9
10	Region 14	0.0	0.0	0.0	3.9	2.4	4.7	1.0	0.5	2.2	75.5	74.1	77.4	0.1	0.0	0.5
1	Region 15	0.0	0.0	0.0	3.8	3.8	3.8	1.7	1.7	1.7	75.3	75.3	75.3	0.4	0.4	0.4
2	Region 16	0.0	0.0	0.0	3.6	3.1	4.1	0.7	0.6	0.8	74.0	72.9	75.0	0.0	0.0	0.0
4	Region 17	0.0	0.0	0.0	4.2	3.8	4.3	0.9	0.6	1.3	75.9	74.7	77.9	0.0	0.0	0.0
4	Region 18	0.0	0.0	0.0	3.9	3.3	4.3	0.9	0.6	1.1	74.8	73.9	75.4	0.0	0.0	0.0
4	Region 19	0.0	0.0	0.0	4.4	4.0	5.0	0.9	0.7	1.1	73.9	72.9	75.4	0.1	0.0	0.5
5	Region 20	0.0	0.0	0.0	4.3	4.1	4.5	0.8	0.6	1.0	75.0	73.4	76.3	0.2	0.0	1.0
1	Region 21	0.0	0.0	0.0	4.2	4.2	4.2	1.6	1.6	1.6	74.2	74.2	74.2	0.5	0.5	0.5
2	Region 23	0.0	0.0	0.0	4.4	4.4	4.5	0.8	0.6	1.0	74.4	72.6	76.2	0.0	0.0	0.0
6	Region 24	0.0	0.0	0.0	3.4	1.0	4.6	1.4	0.2	2.8	76.0	74.4	77.1	0.2	0.0	0.7
14	Region 25	0.0	0.0	0.0	4.2	3.1	4.8	1.0	0.5	1.4	76.1	73.1	78.3	0.1	0.0	0.7
10	Region 26	0.0	0.0	0.0	4.3	3.5	4.9	0.9	0.5	2.0	77.3	76.3	78.1	0.2	0.0	0.6
1	Region 27	0.0	0.0	0.0	3.6	3.6	3.6	0.9	0.9	0.9	76.6	76.6	76.6	0.0	0.0	0.0
9	Region 28	0.0	0.0	0.0	4.0	3.4	4.6	1.1	0.4	2.0	76.2	73.5	78.3	0.0	0.0	0.0
7	Region 29	0.0	0.0	0.0	4.0	3.9	4.2	1.2	0.9	1.8	76.3	75.7	77.2	0.1	0.0	0.4
19	Region 30	0.0	0.0	0.0	4.2	2.2	5.0	1.4	0.9	2.9	76.5	72.3	81.9	0.1	0.0	0.6
1	Region 32	0.0	0.0	0.0	3.2	3.2	3.2	0.8	0.8	0.8	76.6	76.6	76.6	0.3	0.3	0.3
11	Region 33	0.0	0.0	0.0	4.1	3.3	4.9	1.0	0.8	1.7	75.8	72.6	78.4	0.1	0.0	0.7
4	Region 34	0.0	0.0	0.0	4.2	3.7	4.8	1.1	0.6	1.6	75.9	75.3	76.6	0.0	0.0	0.0
132	Ave US 2	0.0			4.1			1.1			76.0			0.1		
	Min US 2	0.0			1.0			0.2			72.3			0.0		
	Max US 2	0.0			5.0			2.9			81.9			3.0		
GRADE: US 3																
3	Region 10	0.0	0.0	0.0	5.6	5.4	5.8	1.4	0.9	2.3	77.3	77.2	77.4	0.2	0.0	0.4
1	Region 11	0.0	0.0	0.0	6.2	6.2	6.2	1.1	1.1	1.1	77.0	77.0	77.0	0.0	0.0	0.0
1	Region 13	0.0	0.0	0.0	6.8	6.8	6.8	0.1	0.1	0.1	75.6	75.6	75.6	0.7	0.7	0.7
6	Region 14	0.0	0.0	0.0	6.2	5.2	7.0	1.4	0.2	3.1	74.8	71.1	77.0	0.5	0.0	2.4

TABLE 9: USA GRADING OF YELLOW MAIZE (2005/06)
(continue)

Number of samples	Region	Damaged kernels						% Broken corn and foreign material			Hectolitre mass kg/hl			Other colour %		
		% Heat damaged			% Total damaged			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
		ave.	min.	max.	ave.	min.	max.									
1	Region 15	0.0	0.0	0.0	6.4	6.4	6.4	1.1	1.1	1.1	77.6	77.6	77.6	0.0	0.0	0.0
1	Region 16	0.0	0.0	0.0	5.4	5.4	5.4	0.9	0.9	0.9	75.0	75.0	75.0	0.0	0.0	0.0
5	Region 17	0.0	0.0	0.0	5.5	3.1	7.0	2.3	0.9	3.3	72.5	67.7	75.3	0.2	0.0	0.5
3	Region 18	0.0	0.0	0.0	5.6	5.1	6.0	2.4	1.1	3.1	72.3	69.8	75.0	0.2	0.0	0.4
2	Region 19	0.0	0.0	0.0	6.4	6.1	6.7	1.0	0.6	1.5	74.0	73.2	74.8	0.3	0.3	0.4
2	Region 20	0.0	0.0	0.0	6.6	6.2	7.0	1.2	0.9	1.4	73.6	71.7	75.4	0.3	0.0	0.5
3	Region 21	0.0	0.0	0.0	5.9	5.3	6.7	0.8	0.5	1.4	74.2	73.5	75.0	0.8	0.0	1.6
2	Region 22	0.0	0.0	0.0	6.6	6.1	7.0	0.9	0.8	0.9	76.6	76.6	76.6	0.9	0.3	1.4
4	Region 25	0.0	0.0	0.0	5.5	5.2	5.9	1.2	0.9	1.8	76.5	75.9	77.9	0.5	0.0	1.1
8	Region 26	0.0	0.0	0.0	5.8	5.2	6.6	0.9	0.6	1.4	74.9	71.1	78.0	0.3	0.0	0.9
3	Region 28	0.0	0.0	0.0	5.6	5.1	6.5	1.2	0.9	1.3	76.0	75.4	76.7	0.0	0.0	0.0
1	Region 29	0.0	0.0	0.0	6.2	6.2	6.2	1.4	1.4	1.4	73.9	73.9	73.9	0.7	0.7	0.7
2	Region 30	0.0	0.0	0.0	5.9	5.7	6.1	1.2	0.7	1.7	74.7	73.1	76.3	0.0	0.0	0.0
1	Region 33	0.0	0.0	0.0	2.7	2.7	2.7	3.6	3.6	3.6	74.8	74.8	74.8	0.4	0.4	0.4
2	Region 34	0.0	0.0	0.0	5.9	5.1	6.6	0.9	0.6	1.2	76.7	75.7	77.6	0.0	0.0	0.0
51	Ave US 3	0.0			5.8			1.3			74.9			0.3		
	Min US 3		0.0			2.7			0.1			67.7			0.0	
	Max US 3			0.0			7.0			3.6			78.0			2.4
GRADE: US 4																
3	Region 13	0.0	0.0	0.0	8.1	7.4	9.2	1.2	0.8	1.6	74.0	73.2	74.4	0.1	0.0	0.4
1	Region 14	0.0	0.0	0.0	7.8	7.8	7.8	0.7	0.7	0.7	77.0	77.0	77.0	0.0	0.0	0.0
2	Region 16	0.0	0.0	0.0	9.7	9.4	9.9	1.0	0.9	1.2	72.9	72.8	73.0	0.5	0.0	1.0
2	Region 17	0.0	0.0	0.0	9.4	9.2	9.6	1.2	0.9	1.6	73.3	72.2	74.4	0.3	0.0	0.6
1	Region 18	0.0	0.0	0.0	8.4	8.4	8.4	1.2	1.2	1.2	73.9	73.9	73.9	0.7	0.7	0.7
3	Region 19	0.0	0.0	0.0	8.6	7.8	9.1	1.9	1.1	2.8	74.5	72.9	76.1	0.1	0.0	0.2
2	Region 20	0.0	0.0	0.0	7.9	7.6	8.2	0.5	0.4	0.7	74.3	73.2	75.4	0.4	0.4	0.5
1	Region 21	0.0	0.0	0.0	7.3	7.3	7.3	0.9	0.9	0.9	75.7	75.7	75.7	0.4	0.4	0.4
3	Region 22	0.0	0.0	0.0	7.6	7.1	8.5	0.9	0.7	1.4	75.7	74.3	76.6	1.5	0.6	2.5
3	Region 24	0.0	0.0	0.0	8.2	7.1	9.5	1.9	1.0	2.7	74.8	71.1	77.4	0.3	0.0	0.8
5	Region 25	0.0	0.0	0.0	7.9	7.2	9.5	0.9	0.3	1.4	76.3	74.9	77.5	0.1	0.0	0.5
5	Region 26	0.0	0.0	0.0	8.0	7.1	9.6	1.1	0.9	1.4	75.9	73.9	77.4	0.6	0.0	1.5
1	Region 27	0.0	0.0	0.0	7.3	7.3	7.3	1.2	1.2	1.2	74.0	74.0	74.0	0.0	0.0	0.0
13	Region 28	0.0	0.0	0.0	7.8	7.1	9.3	1.3	0.3	2.3	75.1	73.2	76.7	0.0	0.0	0.0
1	Region 29	0.0	0.0	0.0	9.5	9.5	9.5	0.9	0.9	0.9	68.7	68.7	68.7	0.5	0.5	0.5
1	Region 30	0.0	0.0	0.0	7.7	7.7	7.7	0.9	0.9	0.9	74.9	74.9	74.9	0.4	0.4	0.4
1	Region 33	0.0	0.0	0.0	7.2	7.2	7.2	0.4	0.4	0.4	74.8	74.8	74.8	0.0	0.0	0.0
4	Region 34	0.0	0.0	0.0	7.7	7.1	9.1	1.1	0.9	1.3	73.2	68.6	78.3	0.2	0.0	0.4
52	Ave US 4	0.0			8.0			1.2			74.8			0.3		
	Min US 4		0.0			7.1			0.3			68.6			0.0	
	Max US 4			0.0			9.9			2.8			78.3			2.5
GRADE: US 5																
1	Region 13	0.0	0.0	0.0	10.7	10.7	10.7	0.0	0.0	0.0	75.6	75.6	75.6	0.4	0.4	0.4
2	Region 14	0.0	0.0	0.0	10.9	10.6	11.2	0.3	0.2	0.5	74.5	72.3	76.7	0.3	0.2	0.4
1	Region 16	0.0	0.0	0.0	11.3	11.3	11.3	0.2	0.2	0.2	77.2	77.2	77.2	0.0	0.0	0.0
1	Region 18	0.0	0.0	0.0	13.6	13.6	13.6	1.5	1.5	1.5	74.9	74.9	74.9	0.4	0.4	0.4
1	Region 20	0.0	0.0	0.0	14.7	14.7	14.7	3.4	3.4	3.4	70.9	70.9	70.9	0.4	0.4	0.4
2	Region 21	0.0	0.0	0.0	11.0	10.5	11.4	0.6	0.6	0.7	74.9	74.1	75.7	0.3	0.0	0.6
2	Region 23	0.0	0.0	0.0	14.9	14.8	15.0	0.5	0.3	0.7	75.4	74.1	76.6	0.2	0.0	0.3
3	Region 25	0.0	0.0	0.0	11.4	10.3	12.3	1.3	1.2	1.5	74.8	74.4	75.2	0.2	0.0	0.4
2	Region 28	0.0	0.0	0.0	11.0	7.8	14.3	5.1	3.5	6.8	72.3	70.2	74.4	0.0	0.0	0.0
1	Region 34	0.0	0.0	0.0	10.6	10.6	10.6	1.2	1.2	1.2	73.5	73.5	73.5	0.0	0.0	0.0

TABLE 9: USA GRADING OF YELLOW MAIZE (2005/06)
(continue)

Number of samples	Region	Damaged kernels						% Broken corn and foreign material			Hectolitre mass kg/hl			Other colour %		
		% Heat damaged			% Total damaged											
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
15	Ave US 5	0.0			11.9			1.5			74.4			0.2		
	Min US 5	0.0			7.8			0.0			70.2			0.0		
	Max US 5			0.0			15.0			6.8			77.2			0.6
GRADE: MIXED GRADE																
1	Region 12	0.0	0.0	0.0	7.2	7.2	7.2	0.9	0.9	0.9	74.9	74.9	74.9	6.5	6.5	6.5
1	Region 16	0.0	0.0	0.0	3.9	3.9	3.9	1.4	1.4	1.4	69.9	69.9	69.9	5.5	5.5	5.5
1	Region 21	0.0	0.0	0.0	4.8	4.8	4.8	0.5	0.5	0.5	74.1	74.1	74.1	5.9	5.9	5.9
1	Region 26	0.0	0.0	0.0	7.8	7.8	7.8	3.7	3.7	3.7	72.6	72.6	72.6	9.6	9.6	9.6
1	Region 28	0.0	0.0	0.0	7.6	7.6	7.6	0.3	0.3	0.3	76.3	76.3	76.3	5.9	5.9	5.9
1	Region 33	0.0	0.0	0.0	5.8	5.8	5.8	0.0	0.0	0.0	75.7	75.7	75.7	16.7	16.7	16.7
6	Ave Mixed Grade	0.0			6.2			1.1			73.9			8.4		
	Min Mixed Grade			0.0			3.9			0.0			69.9			5.5
	Max Mixed Grade			0.0			7.8			3.7			76.3			16.7
GRADE: SAMPLE GRADE																
1	Region 13	0.0	0.0	0.0	17.0	17.0	17.0	0.2	0.2	0.2	75.7	75.7	75.7	0.2	0.2	0.2
3	Region 14	0.0	0.0	0.0	19.0	15.6	23.7	0.8	0.4	1.2	72.3	68.7	75.2	0.3	0.0	0.5
1	Region 19	0.0	0.0	0.0	15.6	15.6	15.6	3.2	3.2	3.2	69.9	69.9	69.9	0.4	0.4	0.4
1	Region 23	0.0	0.0	0.0	20.5	20.5	20.5	6.5	6.5	6.5	75.3	75.3	75.3	2.4	2.4	2.4
2	Region 24	0.0	0.0	0.0	13.4	9.2	17.6	0.7	0.3	1.1	65.3	53.4	77.2	0.4	0.0	0.8
1	Region 28	0.4	0.4	0.4	18.6	18.6	18.6	2.5	2.5	2.5	68.9	68.9	68.9	0.6	0.6	0.6
9	Ave Sample Grade	0.0			17.3			1.8			70.8			0.6		
	Min Sample Grade			0.0			9.2			0.2			53.4			0.0
	Max Sample Grade			0.4			23.7			6.5			77.2			2.4
307	Ave yellow maize	0.0			5.6			1.1			75.4			0.4		
	Min yellow maize			0.0			0.7			0.0			53.4			0.0
	Max yellow maize			0.4			23.7			6.8			81.9			16.7
900	Ave maize	0.0			6.0			1.1			75.9			0.3		
	Min maize			0.0			0.6			0.0			53.4			0.0
	Max maize			0.4			27.9			6.8			81.9			16.7