

TABLE 8: USA GRADING OF WHITE MAIZE (2004/05)

Number of samples	Region	Damaged kernels						% Broken corn and foreign material			Bushel weight 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																
3	Region 10	0.0	0.0	0.0	2.2	2.0	2.3	1.0	0.9	1.1	80.7	79.2	83.2	0.3	0.0	0.7
1	Region 11	0.0	0.0	0.0	0.6	0.6	0.6	1.7	1.7	1.7	80.6	80.6	80.6	0.0	0.0	0.0
6	Region 12	0.0	0.0	0.0	2.2	1.6	2.6	0.9	0.6	1.2	78.4	77.3	79.4	0.1	0.0	0.5
4	Region 13	0.0	0.0	0.0	2.5	2.4	2.6	0.9	0.7	1.2	77.5	77.2	78.3	0.1	0.0	0.5
14	Region 14	0.0	0.0	0.0	2.4	1.5	3.0	1.1	0.8	1.6	78.1	76.3	79.9	0.1	0.0	0.8
7	Region 15	0.0	0.0	0.0	2.3	2.0	2.9	1.0	0.9	1.2	78.9	77.6	80.8	0.2	0.0	0.6
15	Region 16	0.0	0.0	0.0	2.3	1.7	3.0	1.1	0.7	1.5	78.1	76.3	80.3	0.2	0.0	0.7
13	Region 17	0.0	0.0	0.0	2.2	1.3	3.0	1.1	0.8	1.5	78.0	74.8	79.0	0.1	0.0	0.4
11	Region 18	0.0	0.0	0.0	2.5	1.9	2.9	0.9	0.4	1.4	78.4	76.2	79.7	0.1	0.0	0.3
5	Region 19	0.0	0.0	0.0	2.2	2.1	2.4	1.0	0.8	1.1	78.0	77.2	78.7	0.1	0.0	0.5
4	Region 20	0.0	0.0	0.0	2.5	2.3	2.8	0.9	0.8	1.0	78.0	77.2	78.3	0.1	0.0	0.3
18	Region 21	0.0	0.0	0.0	2.5	1.7	3.0	1.0	0.5	2.0	77.8	76.9	79.4	0.2	0.0	0.6
28	Region 22	0.0	0.0	0.0	2.3	1.5	3.0	1.2	0.6	1.7	78.1	75.4	81.2	0.1	0.0	0.5
41	Region 23	0.0	0.0	0.0	2.2	1.3	2.9	1.0	0.7	1.7	78.8	72.3	81.1	0.2	0.0	1.0
28	Region 24	0.0	0.0	0.0	2.4	1.4	3.0	0.9	0.5	1.7	79.0	74.3	81.2	0.3	0.0	0.8
8	Region 25	0.0	0.0	0.0	2.4	2.0	3.0	1.0	0.4	1.3	77.8	75.9	81.7	0.3	0.0	0.8
5	Region 26	0.0	0.0	0.0	2.0	1.6	2.5	0.7	0.5	1.0	78.9	77.5	80.3	0.4	0.0	1.0
6	Region 27	0.0	0.0	0.0	2.2	1.6	2.9	0.8	0.3	1.4	77.6	76.8	79.7	0.1	0.0	0.4
8	Region 28	0.0	0.0	0.0	2.0	1.0	3.0	0.9	0.3	1.1	78.5	77.2	79.7	0.3	0.0	0.6
18	Region 29	0.0	0.0	0.0	2.4	1.3	3.0	0.9	0.3	1.4	78.5	77.0	80.1	0.2	0.0	0.7
11	Region 30	0.0	0.0	0.0	2.5	1.9	3.0	1.2	6.0	1.8	77.6	75.4	78.8	0.2	0.0	0.6
6	Region 31	0.0	0.0	0.0	2.3	1.9	3.0	1.0	0.4	1.5	77.7	76.8	78.5	0.4	0.0	0.8
15	Region 32	0.0	0.0	0.0	1.8	0.6	3.0	1.0	0.4	1.6	77.3	74.7	79.3	0.3	0.0	0.8
6	Region 33	0.0	0.0	0.0	2.3	1.5	2.9	1.1	0.7	1.4	77.8	76.3	79.0	0.3	0.0	0.7
27	Region 34	0.0	0.0	0.0	2.3	1.0	3.0	1.0	0.4	1.9	77.7	75.7	79.4	0.2	0.0	0.7
8	Region 35	0.0	0.0	0.0	1.9	1.3	2.2	1.0	0.7	1.6	78.3	76.7	81.7	0.2	0.0	0.4
4	Region 36	0.0	0.0	0.0	1.9	1.1	2.5	0.7	0.2	1.1	77.7	77.2	78.0	0.0	0.0	0.0
320	Ave US 1	0.0			2.3			1.0			78.2			0.2		
	Min US 1	0.0			0.6			0.2			72.3			0.0		
	Max US 1	0.0			3.0			2.0			83.2			1.0		
GRADE: US 2																
2	Region 12	0.0	0.0	0.0	3.2	2.4	4.1	1.9	1.7	2.1	78.6	78.2	79.0	0.0	0.0	0.0
1	Region 13	0.0	0.0	0.0	3.1	3.1	3.1	1.2	1.2	1.2	77.9	77.9	77.9	0.5	0.5	0.5
2	Region 14	0.0	0.0	0.0	4.5	4.1	4.9	1.3	1.0	1.6	78.7	78.0	79.4	0.2	0.0	0.4
2	Region 15	0.0	0.0	0.0	3.7	3.3	4.2	1.5	1.3	1.6	79.9	78.8	81.0	1.1	1.0	1.2
4	Region 16	0.0	0.0	0.0	3.6	3.3	4.2	1.1	0.6	1.7	77.9	76.9	79.7	0.0	0.0	0.0
8	Region 17	0.0	0.0	0.0	3.5	2.8	4.4	1.2	0.6	2.2	78.2	77.6	79.2	0.2	0.0	0.8
6	Region 18	0.0	0.0	0.0	3.9	3.1	5.0	1.2	0.8	1.8	78.2	76.9	79.7	0.3	0.0	0.6
6	Region 19	0.0	0.0	0.0	3.5	3.1	4.0	1.3	0.8	1.8	78.3	77.7	79.4	0.2	0.0	0.5
2	Region 20	0.0	0.0	0.0	3.6	2.9	4.3	1.5	1.0	2.1	77.5	76.4	78.5	0.9	0.4	1.3
20	Region 21	0.0	0.0	0.0	3.8	2.9	4.8	1.2	0.7	2.1	77.6	75.8	79.4	0.3	0.0	0.7
20	Region 22	0.0	0.0	0.0	3.6	3.1	4.5	1.0	0.5	1.7	78.4	74.5	80.8	0.3	0.0	0.8
9	Region 23	0.0	0.0	0.0	3.7	2.2	5.0	1.7	1.0	2.9	78.3	76.3	80.6	0.2	0.0	0.5
12	Region 24	0.0	0.0	0.0	3.5	3.1	4.5	1.0	0.3	1.4	78.5	76.5	81.4	0.2	0.0	0.6
4	Region 25	0.0	0.0	0.0	3.3	2.3	4.5	1.6	1.1	2.3	77.5	75.3	78.9	0.3	0.0	0.7
11	Region 26	0.0	0.0	0.0	4.0	3.1	5.0	1.5	1.0	2.0	77.6	74.9	79.0	0.6	0.0	1.0
6	Region 27	0.0	0.0	0.0	4.2	3.3	4.8	1.2	0.3	2.0	77.4	76.2	78.9	0.2	0.0	0.3
6	Region 28	0.0	0.0	0.0	4.0	1.8	5.0	1.5	0.9	2.4	77.1	73.2	80.3	0.8	0.4	1.9
4	Region 29	0.0	0.0	0.0	3.7	3.1	4.2	1.3	1.0	1.7	78.6	77.5	79.7	0.3	0.0	0.4

TABLE 8: USA GRADING OF WHITE MAIZE (2004/05)
(continue)

Number of samples	Region	Damaged kernels						% Broken corn and foreign material			Bushel weight kg/hl			Other colour %		
		% Heat damaged			% Total damaged			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
		ave.	min.	max.	ave.	min.	max.									
2	Region 30	0.0	0.0	0.0	3.7	3.2	4.2	1.4	0.8	2.0	76.8	76.6	77.0	0.0	0.0	0.0
3	Region 31	0.0	0.0	0.0	3.3	1.3	4.6	1.6	1.1	2.1	77.1	75.9	78.2	0.2	0.0	0.6
6	Region 32	0.0	0.0	0.0	3.1	1.6	3.8	1.1	0.3	1.7	75.8	71.7	78.5	0.3	0.0	0.7
3	Region 33	0.0	0.0	0.0	3.6	3.2	4.0	1.5	1.4	1.6	77.1	74.7	78.5	0.3	0.0	0.7
14	Region 34	0.0	0.0	0.0	3.5	3.1	4.4	1.1	0.5	3.0	77.8	75.8	79.0	0.3	0.0	0.8
7	Region 36	0.0	0.0	0.0	4.3	3.3	4.9	1.0	0.0	2.3	77.2	75.9	78.2	0.2	0.0	0.8
160	Ave US 2	0.0			3.7			1.2			77.8			0.3		
	Min US 2		0.0			1.3			0.0			71.7			0.0	
	Max US 2			0.0			5.0			3.0			81.4			1.9
GRADE: US 3																
3	Region 12	0.0	0.0	0.0	5.9	5.4	6.6	0.8	0.7	0.9	78.5	78.1	79.2	0.2	0.0	0.6
2	Region 13	0.0	0.0	0.0	5.3	5.1	5.6	0.7	0.3	1.2	77.8	77.4	78.2	0.1	0.0	0.2
3	Region 14	0.0	0.0	0.0	5.9	5.6	6.4	0.7	0.5	0.9	77.8	77.6	78.1	0.3	0.2	0.5
1	Region 15	0.0	0.0	0.0	3.3	3.3	3.3	3.5	3.5	3.5	80.5	80.5	80.5	1.2	1.2	1.2
3	Region 16	0.1	0.0	0.3	4.2	2.1	5.4	0.9	0.6	1.2	77.9	76.8	78.8	0.1	0.0	0.2
4	Region 17	0.0	0.0	0.0	4.5	1.2	5.8	2.4	1.3	4.0	77.6	76.8	78.7	0.3	0.0	0.5
3	Region 19	0.0	0.0	0.0	5.7	5.4	5.9	1.1	0.8	1.6	77.8	77.3	78.6	0.3	0.0	0.7
2	Region 20	0.0	0.0	0.0	5.7	5.1	6.4	0.4	0.3	0.5	78.5	78.3	78.6	0.2	0.0	0.4
4	Region 21	0.0	0.0	0.0	5.7	5.1	6.4	1.1	0.9	1.4	76.3	75.8	77.2	0.3	0.0	0.7
3	Region 22	0.0	0.0	0.0	6.0	5.6	6.2	1.6	0.9	3.0	78.2	77.3	78.8	0.2	0.0	0.7
6	Region 23	0.0	0.0	0.0	5.5	3.7	6.3	1.4	0.6	3.2	78.5	77.4	80.3	0.3	0.0	0.5
1	Region 26	0.0	0.0	0.0	5.2	5.2	5.2	1.4	1.4	1.4	74.1	74.1	74.1	0.4	0.4	0.4
4	Region 28	0.0	0.0	0.0	5.3	5.1	5.7	1.5	1.3	1.7	77.8	76.7	78.7	0.8	0.6	1.0
3	Region 29	0.1	0.0	0.3	5.6	3.8	7.0	0.8	0.6	0.9	76.9	73.2	79.3	0.2	0.0	0.4
5	Region 30	0.0	0.0	0.0	5.7	5.2	6.5	1.1	0.5	1.6	76.9	75.7	77.9	0.4	0.0	0.6
4	Region 31	0.0	0.0	0.0	6.6	6.3	6.8	1.6	1.0	1.9	78.6	75.7	81.7	0.7	0.4	0.9
1	Region 33	0.0	0.0	0.0	6.1	6.1	6.1	0.9	0.9	0.9	77.2	77.2	77.2	0.0	0.0	0.0
2	Region 34	0.0	0.0	0.0	5.9	5.1	6.8	1.4	1.0	1.8	76.9	76.4	77.4	0.4	0.4	0.5
2	Region 36	0.0	0.0	0.0	6.2	6.2	6.2	0.6	0.0	1.3	77.0	77.0	77.0	0.0	0.0	0.0
56	Ave US 3	0.0			5.6			1.3			77.7			0.3		
	Min US 3		0.0			1.2			0.0			73.2			0.0	
	Max US 3			0.3			7.0			4.0			81.7			1.2
GRADE: US 4																
2	Region 12	0.0	0.0	0.0	7.7	7.2	8.2	0.8	0.7	0.9	78.1	78.1	78.1	0.5	0.0	1.0
2	Region 13	0.0	0.0	0.0	8.5	8.0	8.9	0.8	0.6	1.0	77.5	77.4	77.5	0.0	0.0	0.0
2	Region 14	0.0	0.0	0.0	8.5	7.7	9.2	1.3	0.4	2.3	77.9	77.8	77.9	0.2	0.0	0.3
2	Region 15	0.0	0.0	0.0	8.6	7.6	9.6	1.2	0.3	2.1	77.6	76.5	78.6	0.3	0.0	0.6
2	Region 18	0.0	0.0	0.0	8.4	7.5	9.3	1.0	0.4	1.5	74.1	71.8	76.3	0.6	0.0	0.1
1	Region 19	0.0	0.0	0.0	7.7	7.7	7.7	2.4	2.4	2.4	77.5	77.5	77.5	0.7	0.7	0.7
2	Region 20	0.0	0.0	0.0	7.9	7.6	8.1	1.5	1.1	2.0	77.8	77.7	77.8	0.0	0.0	0.0
1	Region 21	0.0	0.0	0.0	8.1	8.1	8.1	1.7	1.7	1.7	77.0	77.0	77.0	0.0	0.0	0.0
1	Region 22	0.0	0.0	0.0	9.5	9.5	9.5	1.0	1.0	1.0	76.4	76.4	76.4	0.0	0.0	0.0
3	Region 23	0.0	0.0	0.0	9.1	8.3	9.5	1.1	0.9	1.5	77.6	77.2	78.3	0.1	0.0	0.3
1	Region 27	0.0	0.0	0.0	8.9	8.9	8.9	2.6	2.6	2.6	76.9	76.9	76.9	0.8	0.8	0.8
2	Region 28	0.0	0.0	0.0	7.5	7.3	7.8	1.9	1.4	2.3	76.6	75.0	78.1	0.5	0.4	0.7

TABLE 8: USA GRADING OF WHITE MAIZE (2004/05)
(continue)

Number of samples	Region	Damaged kernels						% Broken corn and foreign material			Bushel weight kg/hl			Other colour %		
		% Heat damaged			% Total damaged			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
		ave.	min.	max.	ave.	min.	max.									
6	Region 30	0.0	0.0	0.0	8.6	7.2	9.7	0.9	0.4	1.7	77.3	75.6	79.3	0.1	0.0	0.4
1	Region 32	0.0	0.0	0.0	7.9	7.9	7.9	1.8	1.8	1.8	75.6	75.6	75.6	0.0	0.0	0.0
1	Region 33	0.0	0.0	0.0	9.2	9.2	9.2	2.1	2.1	2.1	77.6	77.6	77.6	0.0	0.0	0.0
29	Ave US 4	0.0			8.4			1.3			77.1			0.2		
	Min US 4	0.0			7.2			0.3			71.8			0.0		
	Max US 4	0.0			9.7			2.6			79.3			1.1		
GRADE: US 5																
2	Region 12	0.0	0.0	0.0	13.4	13.2	13.6	0.8	0.7	0.9	76.5	75.0	78.0	0.4	0.3	0.4
1	Region 13	0.0	0.0	0.0	12.3	12.3	12.3	1.4	1.4	1.4	77.2	77.2	77.2	0.3	0.3	0.3
4	Region 14	0.0	0.0	0.0	11.6	10.1	14.4	1.0	0.7	1.4	77.5	75.6	79.6	0.4	0.0	0.7
1	Region 15	0.0	0.0	0.0	12.6	12.6	12.6	0.8	0.8	0.8	73.0	73.0	73.0	0.7	0.7	0.7
1	Region 16	0.0	0.0	0.0	1.7	1.7	1.7	5.6	5.6	5.6	78.6	78.6	78.6	0.5	0.5	0.5
1	Region 17	0.0	0.0	0.0	10.9	10.9	10.9	3.0	3.0	3.0	78.1	78.1	78.1	0.0	0.0	0.0
1	Region 19	0.0	0.0	0.0	10.9	10.9	10.9	1.2	1.2	1.2	78.4	78.4	78.4	0.0	0.0	0.0
1	Region 22	0.0	0.0	0.0	12.1	12.1	12.1	1.0	1.0	1.0	75.6	75.6	75.6	0.0	0.0	0.0
6	Region 23	0.1	0.0	0.3	12.2	11.5	13.4	1.0	0.6	1.3	78.2	77.3	79.6	0.4	0.0	0.6
2	Region 28	0.5	0.0	0.9	8.4	3.2	13.7	4.2	3.2	5.2	73.5	68.9	78.1	0.4	0.0	0.7
1	Region 29	0.0	0.0	0.0	11.4	11.4	11.4	0.4	0.4	0.4	77.6	77.6	77.6	0.0	0.0	0.0
1	Region 30	0.0	0.0	0.0	11.5	11.5	11.5	1.5	1.5	1.5	76.2	76.2	76.2	0.3	0.0	0.3
1	Region 31	0.0	0.0	0.0	10.1	10.1	10.1	1.5	1.5	1.5	74.7	74.7	74.7	0.7	0.0	0.7
1	Region 36	0.0	0.0	0.0	10.9	10.9	10.9	1.5	1.5	1.5	75.9	75.9	75.9	0.8	0.0	0.8
24	Ave US 5	0.1			11.2			1.6			76.9			0.4		
	Min US 5	0.0			1.7			0.4			68.9			0.0		
	Max US 5	0.9			14.4			5.6			79.6			0.8		
GRADE: MIXED GRADE																
1	Region 12	0.0	0.0	0.0	3.0	3.0	3.0	1.4	1.4	1.4	73.2	73.2	73.2	4.3	4.3	4.3
1	Region 24	0.0	0.0	0.0	5.2	5.2	5.2	1.2	1.2	1.2	79.8	79.8	79.8	3.5	3.5	3.5
1	Region 28	0.0	0.0	0.0	1.6	1.6	1.6	3.0	3.0	3.0	73.2	73.2	73.2	2.5	2.5	2.5
1	Region 29	0.0	0.0	0.0	4.5	4.5	4.5	0.5	0.5	0.5	78.3	78.3	78.3	12.3	12.3	12.3
1	Region 30	0.0	0.0	0.0	2.5	2.5	2.5	1.9	1.9	1.9	72.0	72.0	72.0	2.9	2.9	2.9
1	Region 31	0.0	0.0	0.0	2.5	2.5	2.5	1.4	1.4	1.4	72.9	72.9	72.9	5.1	5.1	5.1
6	Ave Mixed Grade	0.0			3.3			1.6			74.9			5.1		
	Min Mixed Grade	0.0			1.6			0.5			72.0			2.5		
	Max Mixed Grade	0.0			5.2			3.0			79.8			12.3		
GRADE: SAMPLE GRADE																
1	Region 13	0.0	0.0	0.0	15.6	15.6	15.6	1.4	1.4	1.4	77.7	77.7	77.7	0.0	0.0	0.0
3	Region 14	0.0	0.0	0.0	23.2	18.1	28.8	1.7	0.4	3.3	77.9	76.8	78.5	0.2	0.0	0.5
1	Region 23	0.0	0.0	0.0	17.4	17.4	17.4	0.6	0.6	0.6	78.5	78.5	78.5	0.0	0.0	0.0
1	Region 29	0.0	0.0	0.0	3.3	3.3	3.3	10.7	10.7	10.7	75.9	75.9	75.9	0.0	0.0	0.0
6	Ave Sample Grade	0.0			17.6			3.0			77.6			0.1		
	Min Sample Grade	0.0			3.3			0.4			75.9			0.0		
	Max Sample Grade	0.0			28.8			10.7			78.5			0.5		
601	Ave white maize	0.0			3.8			1.2			77.9			0.3		
	Min white maize	0.0			0.6			0.0			68.9			0.0		
	Max white maize	0.9			28.8			10.7			83.2			12.3		
1000	Ave maize	0.0			3.9			1.2			77.5			0.2		
	Min maize	0.0			0.6			0.0			68.4			0.0		
	Max maize	0.9			28.8			10.7			83.2			12.3		