

TABLE 5: USA GRADING OF WHITE MAIZE (2009/10)

Number of samples	Region	Damaged kernels						% Broken corn and foreign material			Hectolitre mass kg/hi			Other colour %		
		% Heat damaged			% Total damaged			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
		ave.	min.	max.	ave.	min.	max.									
GRADE: US 1																
1	Region 11	0.0	0.0	0.0	2.9	2.9	2.9	0.6	0.6	0.6	77.8	77.8	77.8	0.0	0.0	0.0
1	Region 12	0.0	0.0	0.0	2.3	2.3	2.3	0.3	0.3	0.3	79.8	79.8	79.8	0.0	0.0	0.0
4	Region 14	0.0	0.0	0.0	2.2	1.8	2.4	0.0	0.0	0.0	80.5	79.0	81.7	0.0	0.0	0.0
3	Region 15	0.0	0.0	0.0	2.0	1.0	2.6	0.7	0.1	1.4	81.1	78.8	84.4	0.1	0.0	0.2
6	Region 16	0.0	0.0	0.0	2.9	2.5	3.4	0.2	0.0	0.5	79.1	78.5	79.8	0.0	0.0	0.2
1	Region 17	0.0	0.0	0.0	2.6	2.6	2.6	0.7	0.7	0.7	77.3	77.3	77.3	0.2	0.2	0.2
3	Region 18	0.0	0.0	0.0	2.4	2.1	2.7	0.3	0.1	0.5	77.9	76.8	78.8	0.0	0.0	0.0
1	Region 19	0.0	0.0	0.0	2.9	2.9	2.9	1.0	1.0	1.0	78.5	78.5	78.5	0.0	0.0	0.0
13	Region 21	0.0	0.0	0.0	2.5	1.6	3.0	0.5	0.3	0.9	78.0	76.8	78.9	0.2	0.0	0.9
6	Region 23	0.0	0.0	0.0	2.6	2.2	2.9	0.4	0.2	0.6	78.6	77.2	79.5	0.1	0.0	0.4
6	Region 24	0.0	0.0	0.0	2.6	1.7	3.0	0.5	0.2	1.2	78.4	77.6	78.9	0.1	0.0	0.2
3	Region 25	0.0	0.0	0.0	2.6	2.2	2.9	0.4	0.1	0.7	75.9	72.9	79.2	0.2	0.0	0.5
8	Region 26	0.0	0.0	0.0	2.6	1.9	3.0	0.5	0.2	1.0	77.5	74.0	79.7	0.1	0.0	0.5
1	Region 27	0.0	0.0	0.0	2.9	2.9	2.9	1.0	1.0	1.0	77.0	77.0	77.0	0.2	0.2	0.2
13	Region 28	0.0	0.0	0.0	2.5	1.7	3.0	0.4	0.1	0.7	77.5	73.2	79.9	0.1	0.0	0.4
17	Region 29	0.0	0.0	0.0	2.6	1.7	3.0	0.5	0.3	0.8	77.8	73.8	80.5	0.2	0.0	0.4
7	Region 30	0.0	0.0	0.0	2.0	1.2	3.0	0.3	0.0	0.6	78.1	77.3	78.9	0.1	0.0	0.4
3	Region 32	0.0	0.0	0.0	2.6	2.0	2.9	0.5	0.4	0.8	78.3	76.9	79.5	0.0	0.0	0.0
2	Region 33	0.0	0.0	0.0	2.7	2.5	2.8	0.3	0.3	0.3	76.9	75.6	78.2	0.0	0.0	0.0
2	Region 34	0.0	0.0	0.0	2.5	2.4	2.6	0.3	0.3	0.4	79.9	79.1	80.7	0.0	0.0	0.0
6	Region 35	0.0	0.0	0.0	2.2	2.0	2.7	0.7	0.1	1.3	78.1	74.7	80.6	0.2	0.0	1.1
9	Region 36	0.0	0.0	0.0	2.7	2.4	3.0	0.6	0.4	0.7	77.3	74.7	80.0	0.2	0.0	0.9
116	Ave US 1	0.0			2.5			0.5			78.1			0.1		
	Min US 1		0.0			1.0			0.0			72.9			0.0	
	Max US 1			0.0			3.4			1.4			84.4			1.1
GRADE: US 2																
6	Region 12	0.0	0.0	0.0	3.9	3.3	4.3	0.5	0.2	0.8	79.0	77.3	80.2	0.0	0.0	0.2
6	Region 13	0.0	0.0	0.0	3.8	3.3	4.3	0.6	0.1	0.9	79.2	76.6	80.4	0.1	0.0	0.4
7	Region 14	0.0	0.0	0.0	3.7	3.2	4.2	0.5	0.2	0.7	79.1	77.6	79.8	0.1	0.0	0.5
9	Region 15	0.0	0.0	0.0	4.1	3.3	4.7	0.7	0.2	0.8	78.6	77.0	79.9	0.0	0.0	0.2
10	Region 16	0.0	0.0	0.0	4.0	3.3	4.7	0.6	0.0	1.5	79.3	78.0	80.5	0.1	0.0	0.3
9	Region 17	0.0	0.0	0.0	3.9	3.1	5.0	0.5	0.2	0.9	77.9	76.8	79.6	0.1	0.0	0.4
5	Region 18	0.0	0.0	0.0	3.8	3.7	4.1	0.5	0.2	0.7	78.0	76.9	78.8	0.3	0.0	0.6
4	Region 19	0.0	0.0	0.0	3.7	3.1	4.0	0.5	0.3	0.9	78.0	77.9	78.1	0.1	0.0	0.2
4	Region 20	0.0	0.0	0.0	4.2	3.9	4.9	0.7	0.4	1.1	74.2	60.2	78.9	0.2	0.0	0.5
10	Region 21	0.0	0.0	0.0	3.9	3.3	5.8	0.7	0.3	1.2	78.1	75.1	80.0	0.1	0.0	0.5
8	Region 22	0.0	0.0	0.0	4.2	3.0	5.0	0.8	0.2	2.6	78.7	74.9	80.3	0.2	0.0	0.6
12	Region 23	0.0	0.0	0.0	4.0	3.2	4.9	0.6	0.2	1.2	79.1	76.6	80.6	0.1	0.0	0.4
11	Region 24	0.0	0.0	0.0	3.8	3.2	5.0	0.8	0.4	1.8	79.0	77.8	80.9	0.1	0.0	0.2
10	Region 25	0.0	0.0	0.0	3.9	3.1	4.9	0.6	0.3	1.1	77.2	72.6	79.9	0.0	0.0	0.4
3	Region 26	0.0	0.0	0.0	3.4	3.2	3.5	0.6	0.4	1.0	78.0	73.9	80.2	0.1	0.0	0.4
1	Region 27	0.0	0.0	0.0	3.7	3.7	3.7	0.3	0.3	0.3	78.6	78.6	78.6	0.0	0.0	0.0
12	Region 28	0.0	0.0	0.0	3.7	3.1	5.0	0.5	0.0	1.6	77.1	75.1	78.9	0.1	0.0	0.7
8	Region 29	0.0	0.0	0.0	3.7	3.2	5.0	0.6	0.3	1.3	77.7	75.7	79.7	0.1	0.0	0.7
7	Region 30	0.0	0.0	0.0	3.1	1.8	3.5	0.5	0.4	0.7	75.7	71.1	78.5	0.2	0.0	0.4
4	Region 31	0.0	0.0	0.0	3.6	3.2	4.3	0.6	0.4	0.7	78.7	78.2	79.1	0.2	0.0	0.4
12	Region 32	0.0	0.0	0.0	3.9	3.1	5.0	0.5	0.0	1.1	78.4	76.9	79.6	0.0	0.0	0.2
8	Region 34	0.0	0.0	0.0	3.8	3.2	4.8	0.5	0.3	0.7	78.3	77.6	79.5	0.1	0.0	0.4
2	Region 35	0.0	0.0	0.0	4.1	3.7	4.6	0.8	0.1	1.5	78.4	77.6	79.2	0.0	0.0	0.0
6	Region 36	0.0	0.0	0.0	3.5	3.2	3.8	0.5	0.4	0.7	77.3	75.9	78.6	0.1	0.0	0.4
174	Ave US 2	0.0			3.8			0.6			78.1			0.1		
	Min US 2		0.0			1.8			0.0			60.2			0.0	
	Max US 2			0.0			5.8			2.6			80.9			0.7

TABLE 5: USA GRADING OF WHITE MAIZE (2009/10) (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.									
GRADE: US 3																
1	Region 11	0.0	0.0	0.0	6.1	6.1	6.1	0.7	0.7	0.7	80.4	80.4	80.4	0.5	0.5	0.5
1	Region 12	0.0	0.0	0.0	5.5	5.5	5.5	0.4	0.4	0.4	74.5	74.5	74.5	1.3	1.3	1.3
1	Region 13	0.0	0.0	0.0	5.1	5.1	5.1	1.9	1.9	1.9	78.7	78.7	78.7	0.0	0.0	0.0
3	Region 14	0.0	0.0	0.0	6.5	6.2	6.9	0.7	0.6	0.9	77.8	76.9	79.0	0.1	0.0	0.2
6	Region 15	0.0	0.0	0.0	6.1	5.4	6.8	0.6	0.3	0.9	79.5	78.9	80.1	0.1	0.0	0.2
5	Region 16	0.0	0.0	0.0	5.7	5.1	6.7	0.6	0.3	0.9	78.4	78.1	79.1	0.2	0.0	0.3
1	Region 18	0.0	0.0	0.0	5.9	5.9	5.9	0.9	0.9	0.9	77.1	77.1	77.1	0.4	0.4	0.4
1	Region 19	0.0	0.0	0.0	6.9	6.9	6.9	0.5	0.5	0.5	78.0	78.0	78.0	0.2	0.2	0.2
1	Region 20	0.0	0.0	0.0	5.3	5.3	5.3	0.0	0.0	0.0	78.9	78.9	78.9	0.0	0.0	0.0
4	Region 21	0.0	0.0	0.0	5.0	3.7	5.9	1.2	0.2	4.0	76.6	74.7	78.1	0.6	0.0	1.1
7	Region 23	0.0	0.0	0.0	6.1	5.3	7.0	0.7	0.3	1.9	78.7	75.2	80.9	0.1	0.0	0.8
11	Region 24	0.0	0.0	0.0	5.7	5.1	6.4	0.7	0.2	1.2	78.6	73.4	80.6	0.1	0.0	0.4
3	Region 25	0.0	0.0	0.0	5.5	5.3	5.8	0.3	0.0	0.6	76.9	75.9	78.4	0.2	0.0	0.4
2	Region 26	0.0	0.0	0.0	5.4	5.1	5.6	0.9	0.4	1.3	74.4	74.3	74.4	0.4	0.0	0.8
3	Region 27	0.0	0.0	0.0	5.9	5.4	6.6	0.6	0.2	1.2	77.0	75.9	77.8	0.3	0.2	0.4
8	Region 28	0.0	0.0	0.0	6.3	5.1	7.0	0.8	0.4	1.4	77.0	74.4	78.8	0.7	0.2	1.4
5	Region 29	0.0	0.0	0.0	6.1	5.2	6.9	0.7	0.5	1.0	77.2	73.9	78.9	0.4	0.0	0.8
1	Region 30	0.0	0.0	0.0	5.7	5.7	5.7	0.8	0.8	0.8	77.2	77.2	77.2	0.7	0.7	0.7
4	Region 31	0.0	0.0	0.0	6.0	5.2	6.4	0.7	0.5	1.2	78.4	77.2	79.4	0.4	0.0	0.6
6	Region 32	0.0	0.0	0.0	5.6	5.1	6.3	0.5	0.2	1.1	78.7	77.2	80.3	0.1	0.0	0.4
2	Region 33	0.0	0.0	0.0	6.2	5.9	6.5	0.3	0.3	0.3	77.6	77.5	77.7	0.2	0.0	0.4
1	Region 34	0.0	0.0	0.0	5.5	5.5	5.5	0.5	0.5	0.5	78.6	78.6	78.6	0.2	0.2	0.2
1	Region 36	0.0	0.0	0.0	6.0	6.0	6.0	0.7	0.7	0.7	76.3	76.3	76.3	0.5	0.5	0.5
78	Ave US 3	0.0			5.9			0.7			77.9			0.3		
	Min US 3		0.0			3.7			0.0			73.4			0.0	
	Max US 3			0.0		7.0			4.0			80.9			1.4	
GRADE: US 4																
1	Region 12	0.0	0.0	0.0	7.6	7.6	7.6	0.4	0.4	0.4	79.2	79.2	79.2	0.7	0.7	0.7
3	Region 14	0.0	0.0	0.0	8.6	7.6	9.7	0.2	0.1	0.2	79.3	78.8	80.2	0.2	0.0	0.5
1	Region 15	0.0	0.0	0.0	7.6	7.6	7.6	0.5	0.5	0.5	79.3	79.3	79.3	0.0	0.0	0.0
1	Region 16	0.0	0.0	0.0	9.0	9.0	9.0	0.4	0.4	0.4	79.8	79.8	79.8	0.2	0.2	0.2
3	Region 17	0.0	0.0	0.0	9.2	8.0	9.9	0.4	0.2	0.6	77.9	77.6	78.2	0.1	0.0	0.2
2	Region 18	0.0	0.0	0.0	9.0	8.6	9.3	0.6	0.5	0.6	78.6	78.4	78.8	0.2	0.0	0.4
2	Region 19	0.0	0.0	0.0	7.4	7.3	7.4	0.7	0.4	1.0	78.2	77.6	78.8	0.1	0.0	0.2
1	Region 20	0.0	0.0	0.0	9.2	9.2	9.2	0.3	0.3	0.3	77.3	77.3	77.3	0.3	0.3	0.3
1	Region 21	0.0	0.0	0.0	2.6	2.6	2.6	4.5	4.5	4.5	76.2	76.2	76.2	0.0	0.0	0.0
1	Region 22	0.0	0.0	0.0	8.1	8.1	8.1	1.6	1.6	1.6	77.8	77.8	77.8	0.2	0.2	0.2
4	Region 23	0.0	0.0	0.0	7.8	7.6	8.0	0.6	0.3	0.9	79.2	78.3	80.0	0.1	0.0	0.2
3	Region 24	0.0	0.0	0.0	7.4	7.1	8.0	1.3	0.7	2.0	78.1	76.6	78.9	0.5	0.0	1.2
5	Region 25	0.0	0.0	0.0	8.0	7.1	8.7	0.6	0.5	0.7	76.3	75.0	77.8	0.7	0.2	1.7
5	Region 26	0.0	0.0	0.0	8.7	7.9	9.4	1.0	0.4	1.8	75.6	74.1	78.6	0.3	0.0	1.0
1	Region 27	0.0	0.0	0.0	8.6	8.6	8.6	0.0	0.0	0.0	77.6	77.6	77.6	0.4	0.4	0.4
1	Region 28	0.0	0.0	0.0	9.1	9.1	9.1	0.9	0.9	0.9	75.0	75.0	75.0	0.2	0.2	0.2
2	Region 29	0.0	0.0	0.0	8.8	8.3	9.2	0.9	0.8	0.9	77.4	76.9	77.8	0.5	0.4	0.5
2	Region 30	0.0	0.0	0.0	8.1	7.3	8.9	0.7	0.6	0.7	78.6	77.2	79.9	0.0	0.0	0.0
4	Region 31	0.4	0.0	1.6	8.6	8.1	9.1	0.7	0.4	1.1	78.9	77.1	80.8	0.0	0.0	0.0
4	Region 32	0.0	0.0	0.0	8.9	8.3	9.7	0.7	0.1	1.8	78.3	76.3	79.1	0.2	0.2	0.2
2	Region 34	0.0	0.0	0.0	7.5	7.2	7.7	0.6	0.5	0.8	78.0	77.6	78.4	0.3	0.0	0.5
49	Ave US 4	0.0			8.2			0.8			77.8			0.3		
	Min US 4		0.0			2.6			0.0			74.1			0.0	
	Max US 4			1.6		9.9			4.5			80.8			1.7	

TABLE 5: USA GRADING OF WHITE MAIZE (2009/10) (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.									
GRADE: US 5																
1	Region 13	0.0	0.0	0.0	10.9	10.9	10.9	0.1	0.1	0.1	78.5	78.5	78.5	0.4	0.4	0.4
1	Region 14	0.0	0.0	0.0	10.2	10.2	10.2	0.4	0.4	0.4	78.0	78.0	78.0	0.4	0.4	0.4
3	Region 18	0.0	0.0	0.0	12.6	12.1	13.5	0.8	0.2	1.3	77.3	76.5	78.0	0.3	0.0	0.4
2	Region 19	0.0	0.0	0.0	11.6	10.3	13.0	0.5	0.3	0.7	77.4	77.3	77.5	0.1	0.0	0.2
3	Region 20	0.0	0.0	0.0	11.0	10.2	12.1	0.4	0.0	0.8	77.4	76.7	78.4	0.3	0.0	0.4
1	Region 21	0.0	0.0	0.0	11.1	11.1	11.1	1.3	1.3	1.3	77.1	77.1	77.1	0.0	0.0	0.0
1	Region 22	1.1	1.1	1.1	10.5	10.5	10.5	1.1	1.1	1.1	76.3	76.3	76.3	1.3	1.3	1.3
3	Region 23	0.0	0.0	0.0	12.0	10.6	14.2	1.0	0.9	1.1	76.0	75.1	77.0	0.0	0.0	0.0
1	Region 24	0.0	0.0	0.0	14.4	14.4	14.4	1.1	1.1	1.1	78.2	78.2	78.2	0.0	0.0	0.0
1	Region 26	0.0	0.0	0.0	13.9	13.9	13.9	0.6	0.6	0.6	76.0	76.0	76.0	0.0	0.0	0.0
6	Region 28	0.0	0.0	0.0	11.6	10.1	13.6	0.7	0.3	1.1	78.0	76.3	79.6	0.2	0.0	0.8
1	Region 29	0.0	0.0	0.0	14.2	14.2	14.2	0.6	0.6	0.6	78.9	78.9	78.9	0.4	0.4	0.4
1	Region 31	0.0	0.0	0.0	10.9	10.9	10.9	0.5	0.5	0.5	77.5	77.5	77.5	0.3	0.3	0.3
1	Region 32	0.0	0.0	0.0	13.6	13.6	13.6	0.0	0.0	0.0	77.2	77.2	77.2	0.2	0.2	0.2
3	Region 34	0.0	0.0	0.0	11.2	10.6	11.7	0.6	0.5	0.8	78.8	78.1	79.5	0.1	0.0	0.2
29	Ave US 5	0.0			11.8			0.7			77.6			0.2		
	Min US 5		0.0			10.1			0.0			75.1			0.0	
	Max US 5			1.1			14.4			1.3			79.6			1.3
GRADE: MIXED GRADE																
1	Region 12	0.0	0.0	0.0	14.7	14.7	14.7	0.4	0.4	0.4	76.5	76.5	76.5	3.3	3.3	3.3
1	Region 20	0.0	0.0	0.0	18.1	18.1	18.1	0.2	0.2	0.2	76.3	76.3	76.3	2.5	2.5	2.5
1	Region 23	0.0	0.0	0.0	10.6	10.6	10.6	1.1	1.1	1.1	73.4	73.4	73.4	2.2	2.2	2.2
2	Region 25	0.0	0.0	0.0	6.3	4.7	8.0	1.3	0.7	1.8	74.9	74.7	75.1	5.8	5.1	6.5
1	Region 30	0.0	0.0	0.0	8.6	8.6	8.6	1.2	1.2	1.2	73.6	73.6	73.6	2.1	2.1	2.1
1	Region 31	0.0	0.0	0.0	3.7	3.7	3.7	1.1	1.1	1.1	77.3	77.3	77.3	4.6	4.6	4.6
7	Ave Mixed Grade	0.0			9.8			0.9			75.3			3.8		
	Min Mixed Grade		0.0			3.7			0.2			73.4			2.1	
	Max Mixed Grade			0.0			18.1			1.8			77.3			6.5
GRADE: SAMPLE GRADE																
1	Region 12	0.0	0.0	0.0	21.6	21.6	21.6	0.3	0.3	0.3	78.9	78.9	78.9	0.9	0.9	0.9
1	Region 13	0.0	0.0	0.0	7.7	7.7	7.7	7.1	7.1	7.1	73.4	73.4	73.4	0.0	0.0	0.0
1	Region 17	0.0	0.0	0.0	19.5	19.5	19.5	0.3	0.3	0.3	75.4	75.4	75.4	0.2	0.2	0.2
1	Region 23	0.0	0.0	0.0	16.2	16.2	16.2	1.0	1.0	1.0	78.5	78.5	78.5	0.0	0.0	0.0
1	Region 33	18.5	18.5	18.5	40.1	40.1	40.1	0.6	0.6	0.6	76.0	76.0	76.0	0.0	0.0	0.0
5	Ave Sample Grade	3.7			21.0			1.9			76.4			0.2		
	Min Sample Grade		0.0			7.7			0.3			73.4			0.0	
	Max Sample Grade			18.5			40.1			7.1			78.9			0.9
458	Ave white maize	0.0			5.1			0.6			77.9			0.2		
	Min white maize		0.0			1.0			0.0			60.2			0.0	
	Max white maize			18.5			40.1			7.1			84.4			6.5
800	Ave maize	0.0			5.1			0.7			77.4			0.2		
	Min maize		0.0			0.3			0.0			60.2			0.0	
	Max maize			18.5			40.1			8.8			84.4			6.5