TABLE 8: USA GRADING OF WHITE MAIZE (2017/2018)

Number of samples	Region	Damaged kernels % Heat damaged			Damaged kernels % Total damaged			% Broken corn and foreign material			Bushel weight (lbs)			% Other colour		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: US No.1																
3	Region 11	0.0	0.0	0.0	2.3	1.2	3.0	0.2	0.0	0.3	62.8	62.6	63.1	0.2	0.0	0.7
7	Region 12	0.0	0.0	0.0	2.1	1.1	2.7	0.5	0.1	1.1	60.0	58.4	61.5	0.0	0.0	0.0
12	Region 13	0.0	0.0	0.0	2.3	1.2	3.0	0.4	0.1	0.8	59.4	57.9	60.6	0.2	0.0	0.9
18	Region 14	0.0	0.0	0.0	2.2	0.2	3.0	0.3	0.0	0.8	60.6	58.5	62.8	0.1	0.0	0.7
3	Region 15	0.0	0.0	0.0	2.4	2.0	3.0	1.0	0.0	1.8	60.9	60.4	61.6	0.0	0.0	0.0
5	Region 16	0.0	0.0	0.0	2.0	0.8	2.9	0.6	0.0	1.3	60.0	59.3	61.0	0.3	0.0	0.8
14	Region 17	0.0	0.0	0.1	2.4	1.0	3.0	0.5	0.2	1.1	59.7	58.5	60.6	0.3	0.0	1.0
8	Region 18	0.0	0.0	0.0	2.4	1.8	3.0	0.5	0.1	1.3	60.1	58.7	61.4	0.2	0.0	0.7
22	Region 19	0.0	0.0	0.0	1.4	0.6	2.4	0.4	0.1	1.8	60.4	58.5	62.7	0.2	0.0	0.6
6	Region 20	0.0	0.0	0.0	2.2	1.5	3.0	0.4	0.1	1.1	59.8	59.1	61.6	0.3	0.0	1.2
5	Region 21	0.0	0.0	0.0	2.6	2.3	3.0	0.6	0.1	1.3	61.1	60.3	62.9	0.1	0.0	0.5
3	Region 22	0.0	0.0	0.0	2.4	1.7	2.7	0.3	0.1	0.8	61.2	60.3	61.8	0.1	0.0	0.2
6	Region 23	0.0	0.0	0.0	2.2	0.9	2.9	0.2	0.0	0.7	60.9	59.8	62.6	0.2	0.0	0.9
4	Region 24	0.0	0.0	0.0	2.1	0.9	2.8	0.6	0.1	1.4	60.5	58.5	62.2	0.0	0.0	0.1
3	Region 27	0.0	0.0	0.0	2.2	1.0	3.0	0.7	0.1	1.4	60.2	56.7	62.2	0.3	0.0	0.5
8	Region 28	0.0	0.0	0.0	2.3	1.4	2.9	0.1	0.0	0.2	61.5	60.6	62.7	0.2	0.0	0.8
11	Region 29	0.0	0.0	0.0	2.0	1.1	2.9	0.3	0.1	0.7	60.9	58.1	62.9	0.3	0.0	0.8
12	Region 30	0.0	0.0	0.0	1.9	0.7	2.9	0.5	0.1	1.5	60.3	59.2	61.0	0.4	0.0	1.9
6	Region 31	0.0	0.0	0.0	1.9	1.6	2.6	0.3	0.2	0.7	61.7	61.0	62.5	0.5	0.0	1.4
20	Region 32	0.0	0.0	0.0	1.9	0.9	2.8	0.4	0.0	1.7	60.3	57.7	62.2	0.3	0.0	1.4
8	Region 33	0.0	0.0	0.0	2.0	1.3	2.6	0.5	0.1	1.0	59.7	58.2	61.8	0.4	0.0	1.0
17	Region 34	0.0	0.0	0.0	2.3	0.9	2.9	0.5	0.1	1.6	60.5	58.9	62.3	0.3	0.0	1.0
3	Region 35	0.0	0.0	0.0	2.2	2.2	2.3	0.2	0.0	0.4	60.5	59.4	62.0	0.0	0.0	0.0
4	Region 36	0.0	0.0	0.0	2.0	0.8	2.8	0.2	0.0	0.4	60.4	59.7	61.0	0.3	0.0	1.0
208	**Ave. US No.1**	**0.0**			**2.1**			**0.4**			**60.4**			**0.2**		
	Min. US No.1		**0.0**			**0.2**			**0.0**			**56.7**			**0.0**	
	Max. US No.1			**0.1**			**3.0**			**1.8**			**63.1**			**1.9**
GRADE: US No.2																
1	Region 11	0.0	-	-	4.3	-	-	1.1	-	-	62.7	-	-	0.0	-	-
4	Region 12	0.0	0.0	0.2	3.7	3.2	4.9	0.3	0.1	0.6	60.7	60.2	61.3	0.1	0.0	0.3
7	Region 13	0.0	0.0	0.0	3.0	1.1	4.6	0.8	0.2	2.3	58.3	55.3	59.8	0.3	0.0	1.2
12	Region 14	0.0	0.0	0.0	3.7	3.1	4.4	0.2	0.0	0.5	59.6	58.7	61.6	0.2	0.0	1.0
6	Region 15	0.0	0.0	0.0	3.8	3.1	4.4	1.0	0.0	2.1	60.9	60.2	61.3	0.0	0.0	0.1
2	Region 16	0.0	0.0	0.0	3.4	3.2	3.7	2.8	2.7	2.9	59.8	58.8	60.8	0.2	0.0	0.5
9	Region 17	0.0	0.0	0.0	3.8	2.5	5.0	1.1	0.3	2.9	59.5	57.1	60.7	0.2	0.0	0.9
5	Region 18	0.0	0.0	0.0	4.0	3.1	4.8	0.7	0.3	1.5	60.4	58.4	61.2	0.3	0.0	0.5
2	Region 19	0.0	0.0	0.0	3.6	3.5	3.7	0.2	0.1	0.3	60.3	59.4	61.1	0.4	0.0	0.7
4	Region 20	0.0	0.0	0.0	3.5	3.2	4.0	0.8	0.1	1.2	58.6	58.2	59.1	0.6	0.2	1.3
6	Region 21	0.0	0.0	0.0	4.3	4.0	4.6	0.8	0.4	1.4	60.3	58.9	62.7	0.2	0.0	0.8
2	Region 22	0.1	0.0	0.2	2.9	2.1	3.8	0.6	0.2	1.0	60.1	60.0	60.1	0.4	0.1	0.7
3	Region 23	0.0	0.0	0.0	3.7	3.2	4.5	0.2	0.1	0.2	61.4	61.2	61.6	0.1	0.0	0.3
5	Region 24	0.0	0.0	0.0	3.7	2.2	4.8	1.5	0.1	2.8	59.2	58.5	59.9	0.3	0.0	0.9
4	Region 26	0.0	0.0	0.0	4.2	3.5	4.9	0.2	0.1	0.3	56.5	55.8	58.2	0.3	0.0	0.7
5	Region 28	0.0	0.0	0.0	3.7	3.1	4.0	0.2	0.0	0.3	62.3	61.8	63.4	0.1	0.0	0.3
2	Region 29	0.0	0.0	0.0	3.7	3.1	4.3	0.5	0.5	0.5	60.9	59.9	61.8	0.3	0.0	0.6
8	Region 30	0.0	0.0	0.0	3.5	1.2	4.8	0.3	0.1	0.7	59.0	55.3	61.0	0.3	0.0	0.8
2	Region 31	0.0	0.0	0.0	3.6	3.5	3.6	0.2	0.1	0.3	61.0	60.8	61.1	0.0	0.0	0.0
6	Region 32	0.0	0.0	0.0	3.8	3.2	4.7	0.6	0.0	1.8	59.8	57.2	61.7	0.3	0.0	0.9
13	Region 33	0.0	0.0	0.0	3.9	3.3	4.9	0.4	0.0	1.3	60.2	58.4	61.5	0.2	0.0	0.4

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.
12	Region 34	0.0	0.0	0.2	3.8	2.5	4.9	0.4	0.0	1.2	59.7	57.3	60.9	0.8	0.0	1.8
2	Region 35	0.1	0.0	0.2	3.5	3.2	3.8	0.3	0.1	0.6	60.8	60.7	60.8	0.2	0.2	0.2
7	Region 36	0.0	0.0	0.0	4.3	3.1	5.0	0.3	0.0	0.9	61.1	59.3	62.8	0.2	0.0	1.1
129	**Ave. US No.2**	**0.0**			**3.8**			**0.6**			**59.9**			**0.3**		
	Min. US No.2		**0.0**			**1.1**			**0.0**			**55.3**			**0.0**	
	Max. US No.2			**0.2**			**5.0**			**2.9**			**63.4**			**1.8**
	GRADE: US No.3															
3	Region 12	0.0	0.0	0.0	3.3	1.0	5.9	1.6	0.0	3.6	57.9	53.6	61.1	0.0	0.0	0.0
4	Region 13	0.1	0.0	0.2	6.0	5.3	6.4	0.8	0.3	2.0	58.6	58.0	59.1	0.6	0.0	1.0
3	Region 14	0.0	0.0	0.0	5.7	5.5	6.0	0.2	0.1	0.3	59.7	58.9	61.3	0.1	0.0	0.4
2	Region 15	0.0	0.0	0.0	6.7	6.5	6.8	0.2	0.1	0.2	58.5	56.7	60.3	0.0	0.0	0.0
4	Region 16	0.0	0.0	0.0	5.3	4.8	5.9	1.5	0.2	3.5	59.8	58.9	61.0	0.0	0.0	0.1
5	Region 17	0.0	0.0	0.0	5.0	3.2	6.9	0.9	0.1	3.1	59.0	53.5	61.7	0.2	0.0	0.9
2	Region 18	0.1	0.0	0.3	2.9	2.6	3.1	2.0	0.7	3.2	57.2	53.7	60.6	0.1	0.0	0.2
2	Region 19	0.0	0.0	0.0	5.4	5.1	5.6	1.9	0.7	3.1	60.5	59.5	61.4	0.1	0.0	0.2
1	Region 21	0.0	-	-	7.0	-	-	1.2	-	-	62.7	-	-	0.2	-	-
2	Region 22	0.0	0.0	0.0	6.2	5.5	6.8	0.2	0.2	0.2	59.0	58.5	59.4	0.2	0.2	0.2
3	Region 23	0.1	0.0	0.4	5.3	3.8	6.9	1.0	0.7	1.2	60.5	60.3	60.7	0.2	0.0	0.7
6	Region 24	0.1	0.0	0.5	5.5	4.4	6.6	0.5	0.2	1.0	59.3	57.4	61.0	0.2	0.0	0.5
2	Region 26	0.0	0.0	0.0	5.5	5.2	5.8	0.3	0.2	0.5	55.7	55.6	55.8	0.7	0.6	0.8
1	Region 30	0.0	-	-	6.5	-	-	0.2	-	-	60.5	-	-	0.9	-	-
1	Region 32	0.0	-	-	5.5	-	-	0.5	-	-	60.8	-	-	0.5	-	-
3	Region 33	0.0	0.0	0.0	5.9	5.2	7.0	0.4	0.2	0.6	60.7	59.6	61.8	0.2	0.1	0.3
4	Region 34	0.0	0.0	0.0	5.8	5.4	6.1	0.5	0.2	0.7	57.3	57.1	57.6	0.0	0.0	0.0
1	Region 35	0.0	-	-	5.2	-	-	0.4	-	-	61.9	-	-	0.0	-	-
2	Region 36	0.0	0.0	0.0	5.6	5.4	5.7	0.3	0.2	0.4	60.5	60.2	60.8	0.1	0.0	0.2
51	**Ave. US No.3**	**0.0**			**5.4**			**0.8**			**59.2**			**0.2**		
	Min. US No.3		**0.0**			**1.0**			**0.0**			**53.5**			**0.0**	
	Max. US No.3			**0.5**			**7.0**			**3.6**			**62.7**			**1.0**
	GRADE: US No.4															
2	Region 13	0.0	0.0	0.0	8.1	7.1	9.0	1.9	1.0	2.7	58.7	58.4	58.9	0.2	0.2	0.3
3	Region 14	0.0	0.0	0.0	8.8	7.2	9.9	0.4	0.1	0.8	56.6	55.1	58.5	0.5	0.3	0.7
2	Region 15	0.0	0.0	0.0	7.4	7.2	7.5	0.4	0.3	0.5	57.5	56.2	58.7	0.0	0.0	0.0
1	Region 16	0.0	-	-	1.9	-	-	4.3	-	-	60.5	-	-	0.2	-	-
1	Region 19	0.0	-	-	7.7	-	-	1.6	-	-	59.0	-	-	0.0	-	-
2	Region 20	0.0	0.0	0.0	8.2	7.7	8.7	1.0	1.0	1.1	57.7	54.3	61.0	0.0	0.0	0.0
2	Region 22	0.0	0.0	0.0	8.4	8.4	8.5	0.5	0.4	0.6	60.7	59.8	61.5	0.1	0.0	0.2
2	Region 23	0.0	0.0	0.0	8.0	7.6	8.4	0.8	0.6	0.9	58.3	56.5	60.0	0.0	0.0	0.0
2	Region 24	0.0	0.0	0.0	8.0	7.4	8.6	0.5	0.2	0.7	59.0	58.4	59.5	0.0	0.0	0.0
2	Region 26	0.0	0.0	0.0	7.4	7.3	7.5	0.2	0.1	0.3	58.0	55.9	60.1	0.4	0.0	0.8
1	Region 33	0.0	-	-	7.2	-	-	0.2	-	-	59.8	-	-	0.0	-	-
2	Region 34	0.0	0.0	0.0	8.0	7.2	8.8	0.1	0.1	0.1	57.2	57.0	57.3	0.3	0.0	0.5
1	Region 36	0.0	-	-	9.0	-	-	0.0	-	-	59.7	-	-	0.0	-	-
23	**Ave. US No.4**	**0.0**			**7.8**			**0.8**			**58.4**			**0.2**		
	Min. US No.4		**0.0**			**1.9**			**0.0**			**54.3**			**0.0**	
	Max. US No.4			**0.0**			**9.9**			**4.3**			**61.5**			**0.8**
	GRADE: US No.5															
1	Region 14	0.0	-	-	13.3	-	-	0.1	-	-	52.6	-	-	0.0	-	-
1	Region 15	0.0	-	-	10.6	-	-	0.4	-	-	59.9	-	-	0.0	-	-
6	Region 16	0.0	0.0	0.0	7.8	3.0	12.8	3.2	0.4	7.0	58.5	56.2	60.6	0.3	0.0	1.4
2	Region 18	0.0	0.0	0.0	7.7	2.3	13.1	3.1	0.5	5.7	59.3	58.8	59.8	0.4	0.2	0.5
1	Region 21	2.2	-	-	9.1	-	-	0.4	-	-	62.0	-	-	0.0	-	-

Number of samples	Region	Damaged kernels % Heat damaged			Damaged kernels % Total damaged			% Broken corn and foreign material			Bushel weight (lbs)			% Other colour		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
1	Region 22	0.0	-	-	12.5	-	-	0.5	-	-	59.4	-	-	0.0	-	-
2	Region 23	0.6	0.0	1.1	9.0	7.1	10.8	1.8	1.2	2.4	59.4	58.8	60.0	0.3	0.0	0.6
1	Region 28	0.0	-	-	11.8	-	-	0.3	-	-	59.5	-	-	0.3	-	-
1	Region 33	0.0	-	-	14.6	-	-	0.6	-	-	59.8	-	-	0.2	-	-
1	Region 34	0.0	-	-	10.3	-	-	0.2	-	-	59.6	-	-	0.0	-	-
17	Ave. US No.5	0.2			9.6			1.9			58.9			0.2		
	Min. US No.5		0.0			2.3			0.1			52.6			0.0	
	Max.US No.5			2.2			14.6			7.0			62.0			1.4
GRADE: Sample Grade																
1	Region 12	13.2	-	-	20.1	-	-	2.2	-	-	58.7	-	-	0.4	-	-
1	Region 15	0.0	-	-	20.5	-	-	1.1	-	-	57.2	-	-	0.0	-	-
3	Region 16	0.0	0.0	0.0	1.9	1.4	2.7	14.6	10.9	17.4	59.4	58.2	60.2	0.1	0.0	0.3
1	Region 18	32.7	-	-	39.2	-	-	2.7	-	-	58.8	-	-	2.0	-	-
1	Region 20	20.2	-	-	26.6	-	-	2.6	-	-	57.8	-	-	0.0	-	-
1	Region 33	0.0	-	-	26.5	-	-	0.6	-	-	58.8	-	-	0.4	-	-
3	Region 35	2.3	0.0	3.9	12.0	9.0	16.6	0.4	0.1	0.7	59.0	58.5	59.8	0.2	0.0	0.4
11	Ave. Sample Grade	6.6			15.9			4.9			58.8			0.3		
	Min. Sample Grade		0.0			1.4			0.1			57.2			0.0	
	Max. Sample Grade			32.7			39.2			17.4			60.2			2.0
CLASS: Mixed corn																
1	Region 14	0.0	-	-	13.5	-	-	0.6	-	-	49.5	-	-	3.2	-	-
1	Region 19	0.0	-	-	1.9	-	-	0.1	-	-	59.5	-	-	3.9	-	-
1	Region 20	0.0	-	-	9.4	-	-	1.8	-	-	55.0	-	-	5.0	-	-
2	Region 26	0.0	0.0	0.0	4.5	3.7	5.3	0.1	0.1	0.1	59.9	58.9	60.8	4.7	3.9	5.5
2	Region 29	0.0	0.0	0.0	7.3	3.7	10.9	0.3	0.1	0.5	59.4	59.1	59.6	2.1	2.1	2.1
2	Region 31	0.0	0.0	0.0	2.7	1.7	3.7	1.0	0.3	1.8	59.6	58.2	61.0	4.5	2.4	6.5
2	Region 32	0.0	0.0	0.0	5.5	2.9	8.1	0.7	0.7	0.8	60.0	58.9	61.0	5.3	4.5	6.2
1	Region 34	0.0	-	-	1.8	-	-	0.2	-	-	60.6	-	-	2.1	-	-
12	Ave. Mixed corn	0.0			5.6			0.6			58.5			4.0		
	Min. Mixed corn		0.0			1.7			0.1			49.5			2.1	
	Max. Mixed corn			0.0			13.5			1.8			61.0			6.5
451	Ave. white maize	0.2			3.9			0.7			59.9			0.3		
	Min. white maize		0.0			0.2			0.0			49.5			0.0	
	Max. white maize			32.7			39.2			17.4			63.4			6.5
900	Ave. maize	0.1			3.6			0.6			59.9			0.2		
	Min. maize		0.0			0.2			0.0			46.3			0.0	
	Max. maize			32.7			39.2			17.4			64.1			6.5