

TABLE 13: PHYSICAL QUALITY FACTORS OF WHITE MAIZE (2016/2017)

Number of samples	Region	Test weight (kg/ha)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)			Stress cracks (%)			SAGL Milling Index 2017			GYA								
		ave.	min.	max.	ave.	min.	max.	Above 10 mm sieve		Above 8 mm sieve		Below 8 mm sieve		< 6.35 mm sieve		< 4.75 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.					
								ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.										min.	max.			
WHITE																															
2	Region 10	79.6	79.4	79.7	41.5	41.0	41.9	7.9	7.1	8.6	77.1	75.8	78.4	15.1	14.5	15.6	0.4	0.4	0.4	0.2	0.1	0.2	6.0	5.0	7.0	100.2	99.2	101.1	69.7	69.5	69.9
1	Region 11	79.5	-	-	35.6	-	-	2.1	-	-	62.9	-	-	35.0	-	-	1.5	-	-	1.1	-	-	7	-	-	88.0	-	-	66.7	-	-
17	Region 12	77.2	75.4	79.7	33.3	28.7	38.2	20.2	8.7	32.1	67.6	60.3	77.5	12.2	4.6	21.4	1.2	0.7	2.1	0.9	0.2	1.6	9	1	18	77.5	67.2	92.5	64.2	61.7	67.9
30	Region 13	75.7	73.0	78.5	32.2	22.8	40.0	14.9	2.3	48.9	65.2	48.8	72.8	19.9	2.3	37.6	1.9	0.3	4.6	1.4	0.3	3.0	11	1	35	74.0	41.2	96.0	63.3	55.4	68.7
31	Region 14	77.5	76.5	78.5	32.5	28.6	37.1	20.9	6.7	34.9	64.5	58.3	74.3	14.6	6.8	27.8	1.2	0.2	4.3	0.9	0.1	2.5	5	1	14	78.3	71.4	87.0	64.4	62.7	66.5
4	Region 15	78.1	77.5	78.6	33.3	31.8	35.8	25.2	19.8	32.8	65.2	58.8	70.6	9.6	8.4	11.4	1.0	0.5	1.2	0.8	0.3	1.2	3	2	5	80.1	77.7	84.3	64.8	64.2	65.8
21	Region 17	76.4	70.8	78.6	33.3	24.3	38.3	18.3	2.9	42.6	65.4	46.9	74.4	16.4	7.3	47.2	1.5	0.2	2.3	1.0	0.0	1.9	15	1	30	73.3	41.9	84.3	63.2	55.6	65.8
7	Region 18	77.5	76.0	79.9	31.9	28.3	35.6	19.2	4.7	26.8	65.3	60.4	69.4	15.5	7.7	25.9	1.0	0.5	1.8	0.7	0.3	1.3	7	1	14	72.4	68.1	80.8	62.9	61.9	65.0
24	Region 19	76.3	71.4	78.6	32.2	27.8	39.5	17.3	1.8	41.7	64.6	52.8	77.5	18.1	3.4	30.6	1.6	0.2	6.7	1.1	0.1	4.5	12	1	37	75.8	52.5	90.4	63.8	58.2	67.3
24	Region 20	77.5	75.9	79.9	34.0	29.1	37.6	18.6	5.7	31.9	66.1	57.1	77.5	15.2	9.0	30.5	1.1	0.1	2.5	0.8	0.1	1.9	8	1	27	78.4	68.0	91.3	64.4	61.9	67.5
57	Region 21	78.7	76.5	81.8	36.6	32.0	43.4	30.3	7.8	63.3	60.1	13.6	73.7	9.6	0.7	36.9	1.1	0.1	4.7	0.7	0.0	3.1	6	0	25	82.3	66.8	94.6	65.3	61.6	68.3
31	Region 22	77.8	76.4	79.2	36.3	31.1	42.3	36.2	23.5	64.2	56.4	26.0	68.7	7.4	2.4	18.8	1.3	0.6	2.7	1.0	0.5	1.7	7	0	20	82.4	69.2	89.1	65.3	62.2	67.0
17	Region 23	78.0	77.2	78.9	34.6	28.0	38.3	28.8	18.1	40.2	62.6	54.4	74.1	8.6	3.9	13.0	1.4	0.5	2.2	1.0	0.3	1.9	4	0	9	77.9	64.8	85.3	64.2	61.1	66.0
16	Region 24	78.2	75.6	80.2	34.1	29.8	39.5	21.7	7.3	31.2	64.4	57.9	71.7	13.8	8.2	27.3	1.1	0.4	2.4	0.8	0.2	1.9	6	3	10	77.0	65.5	86.9	64.1	61.3	66.4
4	Region 25	77.9	76.9	78.6	34.9	31.2	36.8	12.5	2.7	23.2	67.0	64.8	70.1	20.5	11.4	29.5	0.7	0.3	1.3	0.6	0.3	1.0	5	2	9	75.7	64.2	93.8	63.7	61.0	68.1
22	Region 26	76.5	73.2	80.9	32.4	27.8	37.5	18.6	3.0	39.7	64.2	52.4	78.0	17.3	5.5	35.2	1.9	0.5	6.5	1.3	0.0	3.8	12	1	33	78.5	63.4	97.9	64.4	60.8	69.1
21	Region 28	79.1	76.4	81.3	35.6	31.0	41.4	20.2	3.1	42.9	65.4	53.0	76.1	14.4	3.5	37.1	0.7	0.0	2.9	0.5	0.0	1.3	7	0	23	83.1	69.3	90.4	65.5	62.2	67.3
30	Region 29	78.3	73.9	80.7	37.7	33.1	43.8	27.4	7.6	44.0	62.5	33.0	78.0	10.1	3.6	26.6	0.9	0.1	3.9	0.6	0.0	2.6	6	1	19	84.3	72.6	96.5	65.8	63.0	68.8
21	Region 30	78.0	72.5	80.4	35.2	32.2	38.8	23.2	2.5	40.7	64.1	51.0	73.5	12.6	4.1	29.6	0.9	0.2	2.2	0.6	0.1	1.4	5	1	10	82.0	77.4	88.6	65.3	64.1	66.9
18	Region 31	77.5	71.9	79.8	36.6	26.0	42.8	13.9	5.3	24.6	72.0	65.2	82.4	14.1	7.3	24.0	0.6	0.0	2.1	0.4	0.0	1.3	3	0	15	79.1	67.8	90.9	64.6	61.8	67.4
28	Region 32	77.2	72.6	80.2	35.9	30.8	40.5	22.0	6.5	57.8	63.5	30.6	79.5	14.5	2.2	53.1	1.1	0.2	3.2	0.8	0.1	2.1	8	0	42	77.9	67.6	91.3	64.3	61.7	67.5
45	Region 33	78.3	70.0	80.8	34.7	29.3	40.6	16.7	5.1	50.1	66.7	44.7	81.0	16.6	2.9	28.2	0.7	0.0	1.9	0.5	0.0	1.5	5	0	18	81.4	72.7	92.3	65.1	63.0	67.8
39	Region 34	77.3	71.8	80.1	37.4	33.8	43.6	26.4	5.6	52.5	62.2	28.5	78.9	11.4	2.7	62.6	0.9	0.1	1.9	0.6	0.0	1.5	11	1	33	82.2	66.6	93.8	65.3	61.6	68.1
9	Region 35	78.0	75.5	80.4	34.7	29.1	39.3	18.2	4.2	43.0	65.8	55.4	72.8	15.9	1.6	29.9	2.0	0.3	8.3	1.6	0.3	6.1	14	1	33	87.3	70.8	103.2	66.5	62.5	70.4
30	Region 36	78.4	74.5	81.1	37.0	31.0	42.2	17.7	2.1	50.8	66.9	48.0	81.6	15.4	1.2	34.8	1.5	0.1	9.9	1.1	0.0	9.0	13	0	40	87.9	81.0	95.5	66.7	65.1	68.6
549	Ave. white	77.7			35.0			22.1			64.1			13.7			1.2			0.8			8			80.2			64.8		
	Min. white				22.8			1.8			13.6			0.7			0.0			0.0			0			41.2			55.4		
	Max. white				43.8			64.2			82.4			62.6			9.9			9.0			42			103.2			70.4		