

TABLE 13: PHYSICAL QUALITY CHARACTERISTICS OF WHITE MAIZE (2020/21)																																
Number of samples	Region	Test weight (kg/ha)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling index 2021			GYA						
		min.		max.		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.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	
<b>WHITE</b>																																
2	Region 11	73.2	69.9	76.5	24.8	18.9	30.7	2.6	0.6	4.5	58.5	45.7	71.2	39.0	24.3	53.7	1.2	0.4	2.0	1.1	0.4	1.8	10	8	11	83	74	91	65	63	68	
14	Region 12	74.4	71.9	75.6	34.5	30.7	36.9	32.2	13.5	44.6	60.1	49.5	76.4	7.7	3.0	12.0	1.5	0.4	3.2	1.3	0.4	3.0	20	7	33	70	63	78	62	61	64	
29	Region 13	74.1	71.5	76.8	31.8	26.3	38.1	20.3	0.2	50.7	65.0	46.8	79.2	14.7	2.5	33.0	0.8	0.0	2.5	0.6	0.0	2.2	13	3	31	71	59	80	63	60	65	
40	Region 14	75.7	73.0	78.1	32.9	28.7	37.1	28.7	2.1	55.1	62.1	43.4	73.9	9.2	1.5	26.7	0.8	0.0	2.9	0.6	0.0	1.8	10	5	23	68	57	83	62	59	65	
8	Region 16	75.8	75.2	76.9	31.9	30.2	37.5	18.1	11.8	25.4	66.7	62.6	71.4	15.3	8.3	25.1	1.0	0.2	2.7	0.8	0.0	2.0	11	3	22	69	62	79	62	60	65	
29	Region 17	74.7	69.2	77.6	32.7	28.2	36.9	26.0	2.8	48.2	63.3	48.4	72.9	10.7	2.7	25.2	1.0	0.1	3.9	0.8	0.0	3.3	13	5	28	68	46	86	62	57	66	
29	Region 18	74.8	72.2	77.3	32.1	28.7	35.8	22.5	3.2	47.1	66.2	48.9	77.7	11.3	2.6	29.8	0.9	0.0	2.9	0.6	0.0	1.8	14	3	33	72	64	86	63	61	66	
29	Region 19	74.0	68.5	77.9	30.7	24.7	36.2	15.6	0.0	38.8	67.9	51.5	83.1	16.5	3.7	48.5	1.1	0.0	3.0	0.9	0.0	2.5	16	5	29	69	49	87	62	57	67	
17	Region 20	75.5	74.2	77.1	31.4	28.5	35.6	17.2	4.7	43.3	65.7	46.6	76.8	17.1	8.5	28.9	0.5	0.0	1.1	0.4	0.0	0.9	8	2	17	67	48	75	62	57	64	
36	Region 21	75.7	72.7	78.1	31.5	26.0	38.7	20.9	3.3	47.8	65.2	47.3	73.0	13.9	4.9	29.8	0.6	0.0	3.0	0.4	0.0	1.6	10	3	28	72	58	87	63	59	67	
13	Region 22	75.5	71.6	78.3	34.5	29.8	37.3	27.9	9.6	44.3	63.7	52.2	80.6	8.4	2.4	20.5	1.7	0.4	3.4	1.2	0.3	2.3	19	8	29	67	62	74	62	60	63	
47	Region 23	76.8	73.6	78.4	35.3	31.1	40.6	30.9	17.2	49.5	60.5	47.8	69.2	8.6	1.3	17.9	0.6	0.0	2.7	0.5	0.0	1.7	9	1	24	69	49	82	62	57	65	
13	Region 24	76.0	70.7	78.1	33.1	29.4	38.2	24.9	0.9	40.0	62.4	53.0	75.0	12.7	6.3	41.8	0.8	0.0	4.3	0.5	0.0	2.1	12	1	38	68	37	80	62	54	65	
3	Region 25	75.1	72.7	76.7	30.4	26.7	33.4	11.7	4.0	26.7	66.0	63.4	69.0	22.3	7.7	32.3	0.9	0.4	1.3	0.7	0.3	1.1	19	14	23	57	48	66	59	57	61	
8	Region 26	75.7	73.6	77.4	31.5	28.0	35.2	15.0	11.0	22.0	70.7	61.5	74.1	14.4	5.8	27.1	1.2	0.2	3.0	0.8	0.0	2.4	16	3	41	69	58	78	62	59	64	
5	Region 27	75.8	74.8	77.0	30.7	29.6	33.3	15.5	0.2	22.7	68.4	61.9	70.6	16.1	7.8	37.9	1.4	1.1	1.7	1.0	0.8	1.3	18	14	23	66	48	78	61	57	64	
13	Region 28	77.8	75.9	81.1	34.6	29.1	40.6	20.9	6.1	41.6	66.8	51.5	76.3	12.4	2.5	22.7	0.5	0.0	1.3	0.3	0.0	1.1	11	3	26	80	65	111	65	61	72	
27	Region 29	76.2	73.9	79.3	34.3	30.2	39.8	23.8	5.1	48.3	65.4	46.8	78.3	10.8	3.1	23.9	0.6	0.0	1.5	0.5	0.0	1.2	10	3	21	77	64	90	64	61	67	
34	Region 30	77.0	73.4	80.0	35.3	25.5	40.1	21.0	3.0	38.4	66.7	55.5	76.5	12.3	3.3	38.0	0.6	0.0	1.5	0.5	0.0	1.3	12	2	26	79	70	94	64	62	68	
20	Region 31	76.4	72.0	79.0	33.1	24.9	39.1	13.6	1.9	28.3	68.7	55.9	83.6	17.7	6.2	29.8	0.7	0.1	2.8	0.5	0.0	2.2	12	1	40	76	60	93	64	60	68	
26	Region 32	77.0	73.6	79.9	34.8	27.3	39.6	19.9	3.4	38.3	65.8	57.5	76.3	14.3	4.0	31.6	0.6	0.0	1.7	0.4	0.0	1.2	9	3	16	78	58	90	64	59	67	
54	Region 33	76.7	71.9	79.6	35.5	26.9	42.6	19.7	3.0	42.3	67.7	50.8	78.8	12.6	1.7	33.6	0.6	0.0	2.7	0.5	0.0	2.6	12	3	39	77	64	90	64	61	67	
30	Region 34	76.2	68.8	78.9	32.2	25.6	39.5	15.1	2.5	46.2	63.0	41.8	78.3	21.9	1.6	55.7	0.9	0.0	3.9	0.7	0.0	2.6	13	2	36	76	57	86	64	59	66	
7	Region 35	77.9	76.8	78.9	34.0	30.0	39.2	17.7	6.0	23.8	69.1	61.7	82.1	13.2	3.8	20.4	0.7	0.3	1.2	0.6	0.2	0.9	13	5	30	83	75	93	65	64	68	
27	Region 36	77.1	74.9	78.9	33.2	27.1	38.4	15.7	5.4	30.9	67.5	55.9	76.9	16.9	4.7	37.3	0.7	0.0	1.7	0.6	0.0	1.6	11	3	25	79	65	89	65	61	67	
560	Ave. White	75.9	68.5	81.1	33.3	18.9	42.6	21.6	0.0	55.1	65.1	41.8	83.6	13.3	1.3	55.7	0.8	0.0	4.3	0.6	0.0	3.3	12	1	41	73	37	111	63	54	72	
	Min. White																															
	Max. White																															