

TABLE 13: PHYSICAL QUALITY FACTORS OF WHITE AND YELLOW MAIZE (2012/2013)

Number of samples	Region	Hectolitre mass (kg/ht)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			Milling index						
		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.				
WHITE AND YELLOW																													
14	Region 10	79.4	76.6	80.9	31.7	28.7	37.3	2.4	0.8	4.9	64.3	47.3	71.5	33.3	24.9	50.4	1.1	0.2	2.6	0.9	0.1	2.2	4	1	13	91.8	78.0	103.4	
28	Region 11	78.3	69.1	82.2	31.5	27.0	36.9	3.6	0.0	8.1	60.7	27.4	75.9	35.8	16.7	72.6	1.6	0.6	5.2	1.2	0.6	4.0	7	0	22	96.4	70.9	113.0	
18	Region 12	77.7	73.3	80.7	25.2	16.7	30.9	6.8	0.8	15.8	55.5	28.3	69.9	37.7	14.3	70.8	1.7	0.7	4.0	0.9	0.4	1.8	4	1	8	102.5	83.9	114.8	
19	Region 13	77.1	69.0	79.9	21.6	15.2	26.5	4.9	0.0	11.5	51.5	18.5	68.8	43.6	19.7	81.5	1.5	0.4	4.1	0.6	0.2	1.7	3	1	9	101.5	70.4	115.3	
28	Region 14	77.4	72.6	79.9	25.0	17.2	35.0	6.6	0.7	18.1	58.0	31.8	78.3	35.3	9.1	67.2	1.4	0.6	3.3	0.7	0.1	1.5	5	1	20	104.5	83.8	117.4	
12	Region 15	80.1	76.9	81.3	29.9	26.0	34.7	18.1	8.7	24.1	66.6	62.8	70.4	15.2	10.2	25.0	0.9	0.5	1.6	0.6	0.2	1.2	3	0	7	102.8	97.8	111.0	
21	Region 16	79.4	76.3	81.6	27.7	21.5	31.4	12.5	3.6	23.4	63.9	48.1	72.4	23.5	8.5	48.3	0.8	0.3	1.9	0.5	0.1	1.5	5	0	9	105.6	95.5	110.3	
24	Region 17	76.1	72.4	80.1	22.8	17.1	28.0	5.7	0.2	18.9	53.7	26.8	70.4	40.6	18.1	73.0	1.8	0.2	4.4	0.9	0.0	1.8	4	0	24	98.3	86.0	113.2	
24	Region 18	77.9	69.6	82.9	27.6	17.0	34.6	9.4	0.6	28.5	64.5	33.4	80.9	26.1	6.6	66.0	1.5	0.3	3.3	1.0	0.0	2.9	7	1	17	97.7	64.2	113.6	
24	Region 19	77.0	72.3	81.6	25.3	18.3	33.2	5.9	0.2	14.5	57.9	30.0	74.9	36.1	14.9	69.6	1.3	0.2	2.4	0.8	0.1	1.6	3	1	7	100.9	85.5	114.6	
18	Region 20	77.3	72.2	80.4	27.9	21.8	38.3	8.9	2.6	17.1	64.9	50.8	75.9	26.2	14.5	46.6	1.8	0.8	4.3	1.2	0.4	3.1	5	1	20	99.0	90.1	111.0	
47	Region 21	77.8	72.9	80.4	27.2	18.2	41.2	9.8	0.3	23.1	64.9	33.7	77.9	25.3	10.9	66.0	1.3	0.1	2.7	0.8	0.1	1.8	4	0	11	100.6	88.6	115.3	
37	Region 22	78.9	74.5	81.9	28.7	22.7	31.3	13.8	1.2	24.3	66.1	53.9	72.7	20.1	11.1	43.3	0.8	0.2	2.1	0.5	0.1	1.7	3	0	9	97.6	88.0	104.8	
80	Region 23	78.7	72.0	81.5	29.0	17.4	37.6	15.4	0.7	27.6	64.4	27.4	75.6	20.2	6.6	71.9	1.3	0.1	3.9	0.9	0.1	2.8	3	0	16	101.2	79.0	119.5	
34	Region 24	78.3	74.0	80.9	26.9	20.5	38.4	12.2	0.3	30.1	62.5	26.9	72.4	25.3	6.8	72.8	1.3	0.1	5.1	0.8	0.1	3.0	3	0	12	97.0	80.4	116.4	
33	Region 25	75.6	69.7	79.1	26.6	21.1	34.3	9.1	1.3	28.2	65.3	47.1	75.1	25.6	6.6	50.9	1.3	0.3	2.6	0.8	0.4	2.0	6	2	11	86.1	47.3	100.0	
49	Region 26	76.2	67.8	79.6	24.8	15.3	31.3	7.9	0.0	25.3	56.2	16.2	72.4	35.9	12.7	83.5	1.3	0.2	2.8	0.7	0.1	1.9	5	0	31	92.7	70.7	105.8	
13	Region 27	76.0	71.7	79.1	28.2	22.1	36.4	8.7	1.2	25.7	62.1	46.2	75.9	29.2	12.8	52.6	3.1	1.0	6.6	2.0	0.8	4.6	6	0	15	99.4	84.6	115.2	
31	Region 28	76.9	74.3	80.4	31.5	23.6	46.0	15.9	5.3	30.1	66.6	59.7	78.7	17.6	5.8	31.4	1.1	0.3	2.2	0.8	0.2	1.4	5	0	14	91.5	74.5	100.9	
55	Region 29	77.9	72.6	82.2	31.6	23.7	44.1	13.4	0.0	34.2	66.8	33.0	76.1	19.8	3.4	67.0	1.4	0.1	2.8	1.1	0.0	2.0	7	0	15	100.1	63.8	116.0	
64	Region 30	77.4	73.3	80.1	32.4	23.5	40.3	17.2	0.8	42.6	65.2	45.9	76.2	17.5	3.7	48.8	1.1	0.1	3.6	0.8	0.0	2.6	4	0	16	91.6	77.5	103.8	
77	Region 31	76.7	68.9	79.9	32.1	22.5	41.3	16.3	0.0	59.9	64.4	28.7	80.5	19.4	3.1	71.3	1.9	0.2	8.2	1.3	0.1	5.4	5	0	15	91.8	67.4	107.2	
73	Region 32	77.1	71.0	81.1	30.5	21.4	37.0	17.3	0.0	54.9	63.2	39.3	76.7	19.5	3.7	58.7	1.1	0.0	3.3	0.7	0.0	2.0	5	0	20	86.9	66.8	114.5	
50	Region 33	76.1	70.4	80.2	28.5	20.9	39.0	15.6	0.0	38.6	63.0	10.1	79.6	21.5	5.7	89.9	1.2	0.1	5.4	0.8	0.0	4.1	5	0	37	83.7	62.4	104.0	
69	Region 34	77.8	73.4	80.4	30.8	24.8	40.1	14.0	1.9	50.0	67.8	46.3	77.8	18.2	3.7	37.2	1.4	0.1	3.9	1.1	0.2	2.9	5	0	20	96.4	80.8	113.5	
19	Region 35	76.5	69.9	79.7	30.9	19.3	37.9	13.1	0.4	26.1	62.6	37.1	73.9	24.3	8.0	62.5	2.0	0.6	5.0	1.5	0.3	4.1	7	2	21	87.5	46.9	112.6	
39	Region 36	76.6	71.8	79.2	31.9	23.4	41.2	14.2	1.5	35.8	67.1	42.6	80.5	18.7	4.4	55.9	1.6	0.4	3.5	1.2	0.3	2.9	10	1	24	91.7	70.1	105.4	
1000	Ave. w & y	77.4			29.0		15.2	12.5	0.0	59.9	63.4	10.1	80.9	24.2	3.1	89.9	1.4	0.0	8.2	0.9	0.0	5.4	5	0	37	95.1	46.9	119.5	
	Min. w & y	67.8					46.0			59.9	10.1	80.9																	
	Max. w & y																												