

TABLE 13: PHYSICAL QUALITY FACTORS OF WHITE AND YELLOW MAIZE (2013/2014)

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																												
11	Region 10	78.7	75.7	80.9	32.9	30.5	35.4	2.1	0.9	3.9	64.7	48.4	73.2	33.2	23.3	50.7	0.9	0.2	2.4	0.8	0.2	1.9	4	0	10	89.3	70.2	101.2
5	Region 11	77.8	76.9	79.0	30.4	29.6	31.3	2.6	2.0	3.8	61.7	57.1	66.1	35.8	31.3	40.9	2.3	1.2	3.8	1.9	1.0	2.7	5	0	9	88.6	79.2	92.9
14	Region 12	77.2	75.2	78.8	32.5	27.8	37.2	19.4	8.0	34.7	66.9	57.5	72.4	13.7	5.8	22.8	1.5	0.5	2.5	1.1	0.4	1.7	11	3	20	96.5	85.6	105.5
10	Region 13	76.8	75.2	78.2	31.2	27.1	35.0	20.2	9.5	34.3	65.9	58.8	73.4	13.8	6.9	25.0	1.2	0.7	1.7	0.8	0.5	1.2	5	0	21	91.7	83.7	97.5
44	Region 14	77.5	71.8	79.9	32.2	22.5	38.1	21.5	3.7	67.1	66.1	30.4	75.0	12.4	2.5	46.2	1.6	0.3	5.9	1.2	0.3	3.8	7	0	30	97.1	87.2	111.1
8	Region 15	75.8	56.6	80.3	31.1	18.6	38.2	15.6	3.3	26.8	65.9	56.4	74.7	18.5	7.4	37.2	1.9	0.4	3.0	1.3	0.4	2.1	3	0	11	97.2	81.7	105.6
17	Region 16	77.6	75.1	80.6	32.0	25.0	36.6	21.6	3.9	43.7	64.5	51.8	74.1	13.8	4.3	28.2	1.4	0.2	2.9	1.0	0.1	2.1	7	1	24	97.0	90.1	103.2
16	Region 17	76.5	73.9	78.6	31.8	25.2	43.1	20.6	8.7	35.9	66.9	57.0	75.4	12.5	7.1	26.9	1.3	0.5	2.7	1.1	0.5	2.2	7	2	12	89.9	78.6	97.9
19	Region 18	76.2	73.9	77.8	30.8	26.0	34.0	16.8	6.9	34.1	68.3	55.7	81.1	15.0	7.6	27.0	1.4	0.1	7.2	1.0	0.1	4.0	5	0	24	93.7	82.8	102.4
15	Region 19	76.1	74.9	77.2	32.0	25.9	41.8	23.1	8.4	71.3	63.8	23.4	73.5	13.1	5.3	23.5	1.3	0.6	2.2	1.0	0.5	1.9	8	1	22	89.5	73.7	99.5
17	Region 20	77.0	75.4	79.2	33.1	28.7	40.9	16.4	3.1	26.2	67.3	62.3	73.2	16.3	4.2	31.8	2.2	0.5	5.6	1.7	0.5	5.0	7	4	13	89.7	60.7	99.5
61	Region 21	77.6	73.5	79.9	32.5	27.8	36.5	19.5	4.6	42.9	67.1	52.6	75.5	13.4	2.3	30.6	1.4	0.3	3.8	1.1	0.3	2.4	4	0	16	96.7	75.7	107.4
36	Region 22	78.2	74.1	80.4	32.9	28.1	37.0	24.5	3.3	41.6	64.8	53.5	74.5	10.7	4.4	35.4	1.1	0.2	3.0	0.9	0.2	2.6	4	0	30	99.0	92.4	109.4
23	Region 23	79.3	76.9	81.9	32.1	26.7	36.5	19.7	2.1	34.4	67.2	59.0	79.7	13.0	4.2	35.9	1.4	0.2	2.9	1.1	0.2	2.5	4	0	11	101.8	82.0	109.0
55	Region 24	77.8	75.1	81.1	33.6	27.3	38.7	22.6	4.5	44.2	66.2	51.2	82.7	11.2	1.1	39.4	1.0	0.2	2.6	0.8	0.2	1.9	6	0	20	96.3	79.6	116.6
35	Region 25	75.7	73.3	79.0	31.4	27.2	36.1	13.9	3.2	29.9	70.0	64.2	78.6	16.1	5.4	28.2	3.0	0.3	14.0	2.2	0.2	9.9	10	1	53	77.8	60.8	98.6
14	Region 26	76.5	74.9	78.7	32.9	28.9	38.0	16.1	4.9	33.7	66.2	59.7	73.9	17.7	4.5	35.4	1.4	0.3	2.8	1.1	0.0	2.6	5	0	13	85.6	63.3	98.4
34	Region 27	76.3	71.4	80.3	32.1	23.9	38.7	12.3	0.3	26.1	66.4	52.4	78.5	21.3	5.6	43.4	2.5	0.9	5.1	1.9	0.7	4.2	11	2	28	88.7	68.2	105.7
47	Region 28	75.1	66.3	80.2	33.4	23.2	43.1	21.8	3.1	39.2	65.1	32.4	73.7	13.1	2.5	64.5	1.5	0.2	4.6	1.2	0.1	4.1	5	0	17	85.3	46.5	103.7
100	Region 29	77.1	70.3	81.0	34.1	27.8	41.1	19.8	1.7	52.7	67.6	44.2	76.8	12.5	2.6	37.0	1.4	0.3	3.9	1.1	0.2	2.7	7	0	32	90.6	60.9	111.2
56	Region 30	76.0	69.9	79.9	32.6	23.7	39.4	20.2	4.3	46.4	64.4	35.0	76.0	15.5	4.0	54.2	1.3	0.0	5.1	0.9	0.0	3.3	7	1	30	87.8	62.5	99.6
58	Region 31	75.6	70.5	80.5	33.8	25.5	46.3	24.0	1.1	57.9	61.9	37.8	79.1	14.0	2.3	57.7	1.4	0.1	8.1	1.0	0.1	5.1	10	0	42	85.7	65.6	107.6
80	Region 32	76.7	70.7	79.9	31.9	23.7	39.7	16.5	0.7	53.1	66.6	41.0	78.6	16.9	5.2	37.7	2.1	0.5	5.4	1.6	0.5	3.9	9	1	50	89.2	63.1	120.4
37	Region 33	75.5	70.1	79.0	33.2	26.3	46.5	22.6	3.6	43.5	63.4	50.6	74.1	13.9	2.3	38.4	1.1	0.3	3.2	0.9	0.1	2.4	8	1	37	80.6	54.4	99.1
69	Region 34	77.1	68.7	80.6	33.8	26.6	41.9	22.5	0.3	52.3	65.7	34.9	77.9	11.8	2.8	64.8	2.1	0.3	14.5	1.5	0.3	8.2	8	0	28	93.5	58.9	107.7
15	Region 35	77.4	72.5	80.1	32.6	25.3	37.7	16.7	1.7	46.3	63.1	48.7	77.0	20.2	3.4	48.4	2.1	0.6	5.9	1.7	0.5	5.2	3	0	8	92.4	67.0	107.7
34	Region 36	76.0	70.3	78.7	34.0	28.2	39.9	19.3	8.3	56.4	67.4	38.3	74.7	13.3	5.3	26.4	1.1	0.1	3.1	0.9	0.1	2.3	5	0	16	91.7	77.5	105.2
930	Ave. w & y	76.8			32.9			19.6			65.9			14.4			1.6			1.2			7			90.9		
	Min. w & y							0.3			23.4			1.1			0.0			0.0			0			46.5		
	Max. w & y							71.3			82.7			64.8			14.5			9.9			53			120.4		