

TABLE 14: PHYSICAL QUALITY FACTORS OF WHITE AND YELLOW MAIZE FOR (2011/2012)

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.	ave.	min.	max.	ave.	min.	max.			
WHITE AND YELLOW																												
4	Region 10	77.5	76.3	78.9	36.7	33.9	40.0	7.2	3.9	11.8	71.8	69.1	75.2	21.0	16.2	27.0	1.2	1.0	1.4	1.0	0.7	1.3	12	6	17	83.5	80.9	88.0
20	Region 11	77.3	75.4	79.5	32.3	25.5	38.1	4.6	0.6	15.8	59.5	38.9	70.9	35.8	19.2	59.7	1.2	0.3	2.1	1.0	0.3	2.1	6	1	13	87.0	75.0	100.4
20	Region 12	78.2	73.9	81.3	30.8	22.2	38.0	15.5	2.6	36.0	64.4	58.2	71.2	20.2	5.4	39.2	1.3	0.2	3.5	0.9	0.0	2.4	5	0	10	97.9	82.4	108.9
53	Region 13	78.3	74.2	80.5	29.4	20.8	37.9	12.5	2.2	34.7	66.7	50.9	74.7	20.8	7.2	45.5	0.8	0.1	2.6	0.6	0.0	1.8	5	0	17	100.0	85.2	108.1
60	Region 14	78.0	74.6	80.9	30.2	20.7	37.3	15.0	2.4	25.9	65.7	48.4	74.5	19.3	8.1	49.2	1.0	0.0	3.2	0.7	0.0	2.5	6	0	20	98.5	84.2	111.7
16	Region 15	79.0	77.6	81.1	32.4	23.2	44.4	22.8	3.8	34.4	62.5	49.8	67.8	14.7	5.2	45.8	0.9	0.2	3.1	0.7	0.1	2.0	8	2	23	93.6	82.8	103.4
35	Region 16	79.0	75.3	80.7	31.9	25.7	39.0	21.1	3.7	37.7	63.5	51.1	73.0	15.4	5.4	44.1	0.8	0.0	2.4	0.6	0.0	2.0	6	2	14	98.4	85.0	109.2
37	Region 17	77.9	72.5	80.2	28.7	23.4	32.7	11.1	3.0	26.8	64.5	54.4	71.4	24.4	8.0	42.4	1.0	0.3	3.0	0.7	0.2	2.2	5	0	11	95.4	67.0	106.9
45	Region 18	77.7	72.3	80.2	31.3	25.8	39.4	17.3	5.1	63.3	64.2	33.7	74.4	18.5	3.0	35.4	1.0	0.2	3.1	0.7	0.0	2.3	5	0	20	94.0	82.0	104.5
38	Region 19	77.4	69.9	81.0	30.9	23.9	38.2	16.0	2.6	47.5	62.6	49.6	72.4	21.3	2.9	41.6	1.6	0.2	9.3	1.1	0.0	6.8	6	0	16	96.2	72.1	117.0
16	Region 20	77.5	73.9	80.1	30.9	24.1	34.8	13.5	1.6	28.7	66.5	59.0	74.2	20.0	9.6	31.9	1.0	0.1	4.6	0.7	0.1	2.9	5	1	17	93.9	82.1	103.5
42	Region 21	77.6	73.4	80.0	27.8	21.9	32.3	12.1	0.9	24.8	62.8	42.5	72.0	25.1	10.5	56.5	0.9	0.1	2.8	0.7	0.0	1.9	4	0	11	93.1	78.7	107.0
46	Region 22	77.9	73.1	80.5	30.1	24.8	34.4	20.2	3.6	36.7	66.2	55.2	75.6	13.6	7.4	33.0	1.2	0.2	15.6	0.8	0.0	8.3	4	0	25	95.3	82.2	102.7
63	Region 23	77.9	68.1	80.8	30.4	14.5	36.5	21.3	0.4	43.5	63.9	39.4	76.3	14.8	6.3	60.2	1.1	0.1	5.3	0.9	0.0	3.9	6	0	25	94.5	73.6	103.9
31	Region 24	77.9	72.9	80.2	31.0	26.2	37.3	17.5	1.9	37.2	64.7	55.0	73.1	17.8	7.3	41.6	1.2	0.2	4.4	0.9	0.2	3.5	7	0	24	92.2	64.6	109.0
21	Region 25	76.5	73.8	80.7	29.1	22.8	36.7	10.5	1.8	23.1	66.5	55.1	78.0	23.0	8.7	39.4	1.1	0.3	2.7	0.8	0.2	1.7	8	3	19	88.1	79.1	97.2
21	Region 26	76.5	73.9	80.7	26.0	19.9	31.3	5.7	1.2	14.4	57.2	36.4	72.9	37.2	19.9	62.4	1.2	0.4	2.6	0.7	0.1	1.6	5	1	24	93.8	83.2	102.1
5	Region 27	77.0	75.8	79.3	28.4	24.9	33.5	8.4	1.2	21.8	61.6	54.4	67.7	30.0	18.8	41.2	1.9	1.0	3.3	1.1	0.1	2.2	7	2	16	90.5	80.7	103.5
44	Region 28	76.1	70.9	81.7	30.9	22.9	40.0	15.8	3.8	31.5	66.5	54.8	76.4	17.7	5.1	38.4	1.0	0.1	5.3	0.7	0.0	3.3	6	0	27	87.3	74.8	102.7
66	Region 29	75.9	68.8	79.4	28.3	17.4	37.9	13.1	0.0	36.7	61.9	13.7	74.6	25.0	2.8	86.3	1.1	0.0	4.9	0.7	0.0	3.5	5	0	17	86.9	69.2	97.7
91	Region 30	76.4	69.8	80.1	30.2	19.5	43.6	15.1	0.7	50.2	64.2	23.4	77.1	20.7	4.1	75.9	1.2	0.0	8.6	0.8	0.0	8.2	6	0	20	87.8	61.0	102.9
32	Region 31	76.3	73.5	78.9	30.0	23.5	35.1	16.2	6.1	27.8	66.6	59.3	73.1	17.3	9.9	27.9	0.8	0.2	1.9	0.6	0.2	1.3	4	1	9	87.2	78.2	96.9
62	Region 32	77.0	73.4	80.6	32.0	22.3	37.0	19.5	2.3	39.8	64.1	52.4	75.6	16.4	4.9	32.2	0.8	0.1	2.1	0.6	0.1	1.4	5	0	14	80.4	63.2	93.5
44	Region 33	76.2	72.7	80.0	30.1	23.7	38.1	16.7	0.8	32.2	65.0	53.3	72.7	18.3	8.4	41.6	0.9	0.2	3.1	0.6	0.0	2.9	5	1	16	79.8	59.0	96.9
49	Region 34	77.3	73.9	79.9	31.2	25.1	36.2	17.9	2.2	34.6	65.5	54.7	77.5	16.6	5.2	40.2	1.0	0.1	2.6	0.7	0.0	2.0	6	0	16	86.3	70.5	103.4
13	Region 35	78.0	75.4	82.0	33.9	28.1	37.7	8.6	2.2	29.4	68.1	51.4	79.0	23.3	7.6	46.4	1.3	0.1	4.5	1.2	0.1	4.1	7	0	22	85.2	70.5	114.2
26	Region 36	77.4	69.7	81.0	34.8	24.8	41.0	17.4	4.6	33.6	67.2	39.4	79.7	15.4	6.2	56.0	1.2	0.5	3.4	0.9	0.2	2.6	10	1	27	91.4	53.0	107.2
1000	Ave. w & y	77.3			30.4			15.6	0.0		64.5			19.9			1.0	0.0		0.7			6			91.0		
	Min. w & y				14.5			0.0			13.7			2.8			0.0			0.0			0			53.0		
	Max. & y				44.4			63.3			79.7			86.3			15.6			8.3			27			117.0		