

TABLE 18: PHYSICAL QUALITY FACTORS OF MAIZE IN TOTAL FOR 2005/2006

Number of samples	Region	Hectolitre mass			100			Kernel size (%)									Breakage susceptibility (%)						Stress cracks (%)			Milling index			
		kg/hl			kernel mass (g)			Above 10 mm sieve			Above 8mm sieve			Below 8 mm sieve			< 6.3mm sieve			< 4.75mm 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.
WHITE AND YELLOW																													
1	Region 8	79.3	79.3	79.3	40.9	40.9	40.9	52.8	52.8	52.8	41.4	41.4	41.4	5.8	5.8	5.8	0.5	0.5	0.5	0.2	0.2	0.2	4.0	4.0	4.0	107.1	107.1	107.1	
28	Region 10	79.0	76.6	81.6	33.5	24.6	40.1	6.9	0.6	49.1	64.1	48.0	77.9	29.0	1.3	50.8	1.0	0.1	1.7	0.7	0.1	1.3	2.0	0.0	6.0	98.0	82.8	110.3	
13	Region 11	78.6	75.7	81.0	31.5	26.6	36.7	13.4	1.6	34.3	58.3	45.3	80.1	28.3	7.4	52.1	1.5	0.3	2.8	1.0	0.1	1.8	3.1	1.0	7.0	96.9	85.5	109.1	
19	Region 12	76.9	73.1	79.3	32.1	25.7	37.8	25.9	12.3	39.2	61.8	48.6	74.7	12.4	4.9	26.8	2.4	0.8	5.5	1.6	0.6	4.1	3.8	0.0	8.0	92.6	83.5	101.8	
45	Region 13	76.1	73.2	78.1	32.7	25.1	37.0	28.2	9.3	41.0	62.4	52.8	73.9	9.4	4.7	27.7	2.8	1.2	7.1	2.1	0.9	5.9	3.7	0.0	9.0	90.9	78.8	99.4	
69	Region 14	75.3	68.7	79.0	32.9	23.6	39.5	26.1	6.5	51.1	63.0	45.5	74.9	10.8	1.2	27.6	2.1	0.4	7.3	1.5	0.2	4.8	3.2	0.0	10.0	92.0	75.5	109.8	
16	Region 15	78.1	75.3	81.2	32.6	26.6	36.6	28.2	0.8	41.7	57.1	47.9	69.9	14.7	3.8	48.8	2.2	0.7	3.7	1.7	0.5	2.9	2.8	0.0	9.0	98.9	90.8	110.2	
24	Region 16	75.2	68.9	79.6	32.5	23.1	38.9	26.7	6.1	50.6	62.4	46.8	72.9	10.9	2.6	26.4	3.1	0.4	6.1	2.3	0.4	4.6	3.7	0.0	9.0	87.3	44.3	102.8	
42	Region 17	74.2	67.7	78.5	31.2	21.3	42.6	25.0	2.4	55.5	62.4	35.0	74.5	12.6	3.3	62.6	2.4	0.5	6.5	1.8	0.4	4.7	4.0	0.0	11.0	87.2	63.3	108.0	
39	Region 18	74.6	69.8	78.0	31.8	25.1	39.5	28.1	6.5	43.7	61.8	48.3	75.2	10.1	2.6	28.8	2.7	0.9	8.4	1.9	0.5	5.8	2.5	0.0	6.0	88.5	74.8	100.2	
25	Region 19	74.5	63.6	78.1	31.3	25.0	38.0	24.7	2.9	46.8	63.7	49.4	77.4	11.6	1.9	30.5	3.1	0.7	7.3	2.3	0.4	5.4	4.5	0.0	19.0	89.5	58.0	99.5	
31	Region 20	74.2	68.0	79.0	30.4	23.7	35.7	24.9	3.6	53.1	62.7	43.3	72.7	12.4	3.6	30.1	3.3	0.8	11.1	2.4	0.5	8.0	3.6	0.0	15.0	86.0	74.1	97.6	
23	Region 21	75.3	70.8	79.7	33.2	27.5	40.3	26.7	12.3	48.8	62.2	48.9	76.3	11.1	2.3	23.0	2.7	0.6	6.2	1.9	0.6	4.5	5.3	0.0	20.0	89.3	73.0	102.5	
31	Region 22	76.6	69.9	79.4	33.0	26.1	39.6	31.9	11.4	48.5	58.8	43.5	75.4	9.2	3.5	16.8	2.1	0.2	4.6	1.5	0.0	3.5	2.5	0.0	6.0	93.4	69.9	110.6	
65	Region 23	77.0	66.3	80.8	33.9	18.0	40.3	30.9	0.0	57.3	56.5	24.2	73.3	12.7	1.9	75.8	2.0	0.2	9.1	1.4	0.1	5.8	3.6	0.0	13.0	96.5	69.8	114.6	
50	Region 24	76.0	53.4	80.1	34.1	18.9	40.0	30.8	1.1	46.8	58.9	46.4	75.8	10.3	2.6	42.6	2.5	0.3	12.6	1.8	0.1	10.4	4.2	0.0	17.0	91.0	29.5	107.8	
48	Region 25	76.0	71.7	79.4	32.7	28.6	37.8	21.7	5.5	51.7	64.5	45.1	75.4	13.8	3.2	27.5	2.7	0.3	6.8	1.9	0.2	4.6	7.3	0.0	24.0	85.5	65.9	102.7	
55	Region 26	75.6	67.3	78.3	32.4	22.9	37.4	25.4	9.6	45.0	63.3	49.9	76.8	11.2	4.0	23.6	2.2	0.5	9.9	1.5	0.3	5.8	4.8	0.0	19.0	85.8	62.4	105.2	
6	Region 27	76.7	74.0	79.4	35.0	30.6	37.9	30.1	21.8	37.2	62.8	56.8	69.4	7.2	5.3	10.4	2.0	0.5	4.0	1.2	0.5	2.2	12.2	0.0	24.0	96.9	85.5	107.9	
65	Region 28	75.4	68.9	79.6	32.7	24.5	40.5	25.4	9.8	57.2	61.2	39.3	75.0	13.4	3.2	43.8	2.1	0.4	10.6	1.4	0.2	6.9	5.6	1.0	36.0	84.9	59.5	107.0	
19	Region 29	76.1	68.7	79.3	33.6	24.5	39.3	27.8	10.0	47.5	61.4	48.9	70.5	10.8	3.5	19.5	2.7	0.5	17.6	1.9	0.1	11.7	4.0	0.0	10.0	92.6	74.7	107.8	
58	Region 30	76.6	72.2	81.9	33.1	24.9	40.1	24.1	1.7	45.6	63.1	51.4	78.6	12.8	3.0	35.1	1.4	0.2	3.7	1.0	0.2	2.2	3.5	0.0	16.0	93.9	68.6	113.6	
4	Region 32	76.4	74.8	77.1	36.2	34.2	38.0	33.1	30.8	36.4	62.0	60.3	65.5	4.9	3.3	8.0	2.8	1.5	4.0	2.0	0.8	2.9	3.3	2.0	4.0	93.9	87.4	97.6	
48	Region 33	75.8	72.6	78.4	32.3	27.0	37.9	24.1	3.1	40.1	64.7	54.3	76.5	11.3	4.4	28.2	1.9	0.4	7.5	1.4	0.2	5.9	5.0	0.0	21.0	91.3	72.5	108.2	
55	Region 34	76.1	68.6	80.0	35.4	25.2	44.7	34.5	13.6	73.9	55.5	24.6	71.9	9.9	1.5	47.8	2.5	0.6	9.4	1.8	0.2	6.0	3.8	0.0	18.0	92.1	71.8	106.0	
14	Region 35	76.1	72.3	78.8	35.5	24.1	40.4	23.0	4.8	49.6	64.3	46.6	71.3	12.7	3.8	28.9	1.6	0.3	3.6	1.2	0.1	2.7	7.1	1.0	23.0	96.9	76.5	110.9	
7	Region 36	76.5	74.3	79.0	33.0	28.6	37.9	28.4	16.8	42.7	62.8	49.9	70.7	8.8	4.0	15.6	0.8	0.4	2.1	0.6	0.3	1.1	4.6	2.0	11.0	91.2	74.6	110.3	
900	Ave w & y	75.9			32.9			26.3			61.4			12.3			2.3			1.6			4.2			90.8			
	Min white & yellow	53.4			18.0			0.0			24.2			1.2			0.1			0.0			0.0			29.5			
	Max white & yellow	81.9			44.7			73.9			80.1			75.8			17.6			11.7			36.0			114.6			