

TABLE 20: PHYSICAL QUALITY FACTORS OF WHITE AND YELLOW MAIZE 2003/2004

Number of samples	Region	Hectolitre mass			100			Kernel size (%)									Breakability (g)						Stress cracks (%)				
		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.
WHITE AND YELLOW																											
3	Region 8	78.3	77.1	80.1	33.2	27.5	41.5	17.8	1.7	49.2	50.0	45.2	56.4	32.3	2.5	53.1	1.1	0.4	1.6	0.6	0.2	0.9	8	6	9		
11	Region 10	79.1	75.8	81.0	34.0	31.9	36.0	7.9	2.5	15.7	67.6	56.9	78.0	24.4	15.3	40.6	1.5	0.5	2.9	1.2	0.2	2.3	5	0	14		
35	Region 11	78.3	76.7	81.1	35.0	28.0	41.3	15.2	3.8	47.8	66.0	44.9	79.4	18.8	4.9	40.7	1.4	0.4	2.8	1.1	0.3	1.9	6	2	15		
26	Region 12	77.5	72.8	80.2	34.4	28.6	41.0	26.4	10.4	48.4	63.4	46.6	71.4	10.2	4.5	19.4	2.1	0.1	5.8	1.5	0.1	3.8	5	0	16		
13	Region 13	77.3	75.2	78.9	34.4	30.9	39.6	24.3	13.7	33.8	64.7	59.1	71.3	10.9	6.9	21.4	1.3	0.6	1.9	1.0	0.5	1.7	4	2	8		
32	Region 14	77.5	74.1	79.6	33.7	25.6	41.7	26.2	9.1	53.5	63.0	43.2	76.6	10.8	3.3	25.3	2.3	0.4	22.0	1.9	0.3	21.5	5	0	11		
15	Region 15	78.5	76.3	79.9	33.6	30.8	42.9	24.9	6.6	46.2	60.0	49.5	69.6	15.1	4.3	28.9	1.2	0.4	3.2	0.9	0.3	2.3	6	0	21		
16	Region 16	78.1	74.5	81.2	37.4	28.7	58.8	30.5	8.9	41.7	60.8	48.4	70.1	8.6	3.1	21.0	1.1	0.2	2.0	0.8	0.1	1.3	4	2	7		
37	Region 17	77.6	73.9	79.7	35.6	30.3	43.1	27.3	4.7	45.3	63.3	51.4	75.6	9.4	0.8	21.2	1.3	0.0	4.5	0.9	0.0	2.7	6	1	26		
41	Region 18	76.9	73.2	79.3	35.5	29.6	39.6	28.7	12.7	45.1	62.7	59.5	72.8	8.7	3.5	19.3	1.7	0.5	6.0	1.3	0.2	4.9	7	1	23		
25	Region 19	76.3	73.9	79.7	34.5	29.3	42.4	26.9	13.9	42.8	63.8	51.8	75.1	9.3	4.4	21.6	1.6	0.1	3.5	1.2	0.0	3.3	5	1	13		
26	Region 20	75.1	66.9	78.5	34.8	25.5	41.7	31.2	8.2	51.9	61.5	46.0	72.8	7.4	2.1	25.5	1.5	0.4	3.2	1.1	0.3	2.3	4	1	9		
30	Region 21	77.5	73.9	80.1	36.3	31.7	54.2	28.5	7.6	52.9	61.8	44.3	77.9	9.7	1.3	17.6	1.7	0.5	3.9	1.2	0.5	2.7	8	2	26		
55	Region 22	78.7	73.8	81.6	37.8	32.4	51.1	32.5	5.5	51.2	59.2	38.1	74.8	8.2	3.5	19.7	1.2	0.2	4.2	0.8	0.1	3.2	6	0	23		
162	Region 23	78.6	70.8	81.7	36.4	24.0	50.5	30.0	2.4	53.2	58.6	33.9	74.6	11.5	1.5	53.9	1.3	0.2	5.4	0.9	0.0	4.1	6	0	24		
87	Region 24	78.8	73.8	83.2	35.6	26.7	62.9	24.9	0.4	65.5	57.7	33.4	73.7	17.4	1.0	64.9	1.4	0.1	13.1	1.0	0.0	8.3	7	0	58		
29	Region 25	75.7	63.8	80.2	32.9	23.7	45.8	18.6	5.3	40.9	63.9	48.5	72.8	17.5	8.1	30.8	1.7	0.4	7.7	1.1	0.1	4.9	10	0	60		
43	Region 26	77.6	71.2	80.1	34.4	28.1	39.9	19.8	3.6	38.5	66.8	52.2	77.6	13.4	6.0	29.7	1.5	0.4	8.6	1.0	0.3	4.9	9	2	30		
25	Region 27	77.4	70.8	80.3	35.1	30.7	40.0	23.3	12.1	38.3	66.0	55.0	73.6	10.7	5.4	22.1	1.7	0.4	4.0	1.1	0.1	2.3	9	1	34		
48	Region 28	77.2	73.5	79.4	34.6	29.1	40.6	27.5	7.3	57.1	60.5	36.8	75.4	12.0	2.5	24.8	2.3	0.3	15.0	1.5	0.2	9.5	11	2	57		
25	Region 29	77.6	75.0	80.1	36.2	30.4	41.1	27.2	8.6	44.1	62.6	51.2	71.9	10.2	4.0	24.6	1.2	0.3	2.5	0.8	0.2	1.7	7	2	14		
6	Region 30	76.3	74.8	78.9	37.6	34.7	42.9	37.5	12.7	59.8	54.8	35.8	77.7	7.7	3.6	14.9	0.8	0.4	1.8	0.7	0.3	1.6	3	0	7		
1	Region 31	79.4	79.4	79.4	41.7	41.7	41.7	64.6	64.6	64.6	31.0	31.0	31.0	4.4	4.4	4.4	0.3	0.3	0.3	0.0	0.0	0.0	8	8	8		
12	Region 32	77.7	75.4	79.4	36.6	33.5	38.9	32.6	21.9	42.0	60.2	53.9	69.2	7.3	3.5	11.2	0.8	0.2	1.7	0.6	0.0	1.6	5	2	6		
73	Region 34	77.4	72.3	79.8	36.2	23.9	48.9	30.0	7.0	65.5	60.0	33.0	75.1	10.0	1.5	29.2	1.1	0.0	3.2	0.8	0.0	2.8	7	1	17		
14	Region 35	75.7	69.0	79.7	33.7	28.4	41.2	22.0	7.7	41.1	64.1	54.7	72.6	14.0	2.2	28.4	2.1	0.7	6.8	1.7	0.5	6.8	4	1	12		
10	Region 36	78.8	77.5	79.9	33.3	29.1	39.2	12.6	4.4	28.9	62.1	48.5	76.4	25.3	6.8	47.1	2.3	1.0	8.0	1.5	0.7	5.3	8	2	30		
900 Ave w & y		77.8			35.5			26.6			61.3			12.1			1.5			1.1			7				
Min white & yellow		63.8			23.7			0.4			31.0			0.8			0.0			0.0			0				
Max white & yellow		83.2			62.9			65.5			79.4			64.9			22.0			21.5			60				