

**TABLE 19: PHYSICAL QUALITY FACTORS OF WHITE AND YELLOW MAIZE 2004/2005**

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.
<b>WHITE AND YELLOW</b>																											
13	Region 10	78.5	75.6	83.2	34.8	30.2	38.2	10.6	0.8	30.8	66.1	47.8	78.4	23.3	10.0	49.9	3.2	0.5	24.4	2.0	0.3	12.9	5.1	2.0	8.0		
31	Region 11	78.9	75.8	80.7	33.8	29.2	44.4	7.1	1.3	17.8	72.3	52.7	82.3	20.6	9.3	46.1	1.6	0.8	4.0	1.2	0.4	2.9	5.3	2.0	15.0		
25	Region 12	77.5	73.2	79.4	33.6	28.9	38.0	24.1	4.8	48.1	62.8	46.6	73.8	13.1	1.4	21.7	1.7	0.8	3.1	1.1	0.0	2.5	4.3	0.0	8.0		
19	Region 13	77.1	75.4	78.3	34.9	32.2	38.2	25.4	11.2	37.1	60.9	54.2	66.4	13.7	0.1	24.4	2.0	0.4	3.9	1.5	0.3	3.4	4.9	2.0	8.0		
46	Region 14	77.4	72.6	79.9	34.0	26.3	38.3	24.1	3.8	40.3	62.7	34.3	77.7	13.2	3.0	31.5	1.4	0.2	3.6	1.0	0.1	3.0	4.4	0.0	11.0		
20	Region 15	77.7	73.0	81.0	33.4	26.7	38.6	25.3	4.5	44.3	62.1	49.2	73.4	12.6	3.9	26.3	1.6	0.2	2.6	1.1	0.2	2.2	4.5	1.0	8.0		
30	Region 16	77.8	75.4	80.2	35.2	28.9	41.3	28.3	3.6	40.4	61.1	53.7	69.2	10.7	2.3	32.7	1.5	0.7	3.9	1.2	0.6	2.6	4.6	0.0	12.0		
38	Region 17	77.4	73.2	79.2	33.6	25.8	37.7	26.0	4.8	40.3	62.6	52.4	73.8	11.4	2.2	27.4	1.7	0.4	4.7	1.3	0.2	3.3	4.6	1.0	9.0		
30	Region 18	77.2	71.1	79.7	34.9	31.3	39.0	29.0	16.2	43.0	62.0	50.2	72.0	8.9	3.5	17.0	1.5	0.5	5.0	1.2	0.5	3.2	4.9	0.0	13.0		
26	Region 19	77.6	75.7	79.4	33.5	30.3	38.4	27.9	4.5	38.1	61.5	50.8	77.3	10.6	0.4	26.9	1.4	0.6	5.8	1.2	0.0	5.4	5.7	3.0	10.0		
17	Region 20	77.5	75.4	78.6	35.1	31.8	38.4	23.1	12.2	37.3	60.7	50.1	70.4	16.2	4.0	26.6	1.4	0.2	2.3	1.2	0.1	2.2	4.5	1.0	7.0		
52	Region 21	77.4	75.8	79.4	34.6	29.7	39.9	27.0	9.4	45.4	61.1	49.9	74.9	11.9	3.4	26.0	1.3	0.8	2.8	1.0	0.5	2.1	4.0	0.0	9.0		
61	Region 22	78.0	74.5	81.2	34.5	28.9	39.1	27.8	14.9	49.2	61.6	48.2	73.1	10.5	0.6	23.7	1.3	0.4	2.8	1.0	0.0	1.8	5.5	0.0	23.0		
80	Region 23	78.3	72.3	81.1	35.0	23.1	42.9	28.3	2.1	52.8	59.7	32.7	81.1	12.0	3.0	45.5	1.2	0.1	4.3	1.0	0.1	3.3	3.2	0.0	9.0		
59	Region 24	78.3	74.0	81.4	35.4	27.3	44.3	27.9	2.0	49.5	60.5	47.9	80.0	11.6	2.6	34.1	1.2	0.5	3.8	1.0	0.5	3.3	4.6	0.0	13.0		
23	Region 25	77.0	72.0	81.7	32.9	26.6	36.9	19.7	3.4	34.7	62.9	42.1	71.3	17.3	2.8	54.5	1.8	0.4	3.5	1.2	0.0	2.3	5.2	1.0	10.0		
35	Region 26	77.3	71.2	80.3	33.7	25.0	38.5	23.2	2.1	43.3	62.5	31.3	72.3	14.3	5.1	37.4	2.2	0.6	4.8	1.5	0.1	3.8	4.6	0.0	12.0		
23	Region 27	77.1	75.7	79.7	34.3	31.0	37.9	24.5	8.6	34.3	62.0	51.7	72.1	13.5	1.3	27.7	1.3	0.7	2.6	1.0	0.4	1.4	6.9	3.0	23.0		
52	Region 28	76.4	68.4	80.3	33.2	26.3	40.0	24.5	2.3	55.3	60.6	42.0	71.9	14.9	2.7	46.3	1.9	0.5	8.0	1.3	0.3	5.4	5.3	0.0	21.0		
62	Region 29	77.9	73.2	80.5	35.1	22.5	44.1	27.6	1.9	45.0	60.5	50.5	73.8	11.9	2.6	47.6	1.5	0.3	4.9	1.1	0.2	3.0	4.9	0.0	19.0		
47	Region 30	76.9	72.0	79.3	34.6	28.3	42.2	27.2	5.9	59.7	61.8	36.7	78.1	10.9	0.2	31.6	1.8	0.7	6.5	1.3	0.4	6.2	5.5	1.0	22.0		
42	Region 31	77.0	71.7	81.7	33.6	21.5	40.3	27.4	1.0	44.9	61.1	32.9	71.5	11.6	4.0	66.1	1.4	0.6	4.2	1.1	0.5	2.5	5.7	1.0	18.0		
50	Region 32	76.3	69.0	79.3	35.0	28.3	41.4	29.1	8.8	47.5	60.9	34.0	71.3	10.1	2.4	37.2	1.4	0.4	2.9	1.0	0.3	1.9	2.7	0.0	9.0		
20	Region 33	77.5	74.7	79.0	35.4	30.4	41.8	27.3	6.6	59.4	63.9	39.0	75.0	8.9	1.6	20.9	1.6	0.4	5.3	1.2	0.4	3.8	5.5	0.0	21.0		
59	Region 34	77.6	75.4	81.0	34.5	30.3	40.2	27.7	2.9	45.5	60.8	36.8	80.3	11.5	0.7	40.4	1.2	0.2	2.4	0.9	0.0	1.7	5.7	0.0	13.0		
17	Region 35	77.4	74.3	81.7	33.5	26.2	39.6	20.9	2.9	34.9	64.3	58.7	71.3	14.8	3.3	34.3	2.0	0.5	5.4	1.4	0.4	4.1	4.8	1.0	13.0		
23	Region 36	76.5	73.4	78.2	34.5	25.5	40.2	25.9	10.5	46.9	61.0	44.9	73.9	13.1	3.3	26.6	1.6	0.3	4.5	1.2	0.0	3.2	5.1	1.0	12.0		
<b>1000</b>	<b>Ave w &amp; y</b>	<b>77.5</b>			<b>34.4</b>			<b>25.7</b>			<b>61.8</b>			<b>12.5</b>			<b>1.5</b>			<b>1.1</b>			<b>4.8</b>				
	<b>Min white &amp; yellow</b>		<b>68.4</b>			<b>21.5</b>			<b>0.8</b>			<b>31.8</b>			<b>0.1</b>			<b>0.1</b>			<b>0.0</b>			<b>0.0</b>			
	<b>Max white &amp; yellow</b>			<b>83.2</b>			<b>44.4</b>			<b>59.7</b>			<b>82.3</b>			<b>66.1</b>			<b>24.4</b>				<b>12.9</b>			<b>23.0</b>	