

TABLE 11: PHYSICAL QUALITY FACTORS OF WHITE MAIZE (2012/2013)

Number of samples	Region	Hectolitre mass (kg/hl)			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.					
4	Region 11	81.5	80.8	82.2	31.1	27.9	34.3	2.1	0.0	3.4	54.2	44.2	60.6	43.8	36.0	55.8	1.5	1.2	2.0	1.0	0.7	1.2	7	1	11	109.6	108.4	112.8		
8	Region 12	79.4	77.1	80.7	27.8	22.9	30.9	9.9	3.5	15.8	63.3	51.3	69.9	26.8	14.3	45.2	1.1	0.7	1.5	0.7	0.4	1.0	4	1	8	109.0	102.7	114.8		
12	Region 13	78.1	75.7	79.3	21.8	17.7	25.9	5.6	0.6	11.5	54.1	36.1	68.8	40.3	19.7	63.3	1.2	0.4	2.1	0.5	0.2	1.0	3	1	9	104.7	92.2	115.3		
16	Region 14	77.9	72.6	79.8	26.0	18.3	35.0	8.5	0.7	18.1	61.1	41.5	78.3	30.5	9.1	57.8	1.2	0.7	2.1	0.6	0.1	1.5	6	1	20	105.6	87.5	117.2		
10	Region 15	80.5	79.7	81.3	29.6	26.0	32.0	19.2	11.7	24.1	66.9	62.8	70.4	13.8	10.2	17.9	0.9	0.5	1.6	0.6	0.2	1.2	4	1	7	103.3	97.8	111.0		
17	Region 16	79.7	77.7	81.6	27.9	21.5	31.4	14.3	3.6	23.4	63.8	48.1	72.4	21.9	8.5	48.3	0.6	0.3	1.1	0.4	0.1	0.7	5	0	9	105.8	95.5	110.3		
11	Region 17	77.3	73.9	80.1	24.4	17.7	28.0	7.8	1.2	18.9	58.7	35.6	70.4	33.5	18.1	63.2	1.1	0.2	3.1	0.5	0.0	1.5	5	1	24	100.8	89.7	112.0		
13	Region 18	78.4	76.2	82.9	28.3	23.3	33.9	11.1	2.1	28.5	65.5	58.0	75.8	23.4	6.6	39.9	1.1	0.3	1.8	0.7	0.0	1.2	6	1	17	98.8	91.0	110.8		
12	Region 19	78.2	73.5	81.6	26.9	22.2	33.2	7.7	1.0	14.5	62.9	44.3	73.5	29.4	14.9	54.7	1.1	0.6	1.6	0.7	0.3	1.3	3	1	7	106.1	102.2	112.1		
10	Region 20	78.1	75.6	80.4	30.2	25.4	38.3	11.7	6.9	17.1	68.0	63.5	75.9	20.3	14.5	27.6	1.5	0.8	2.2	1.0	0.4	1.9	5	2	8	100.4	90.3	111.0		
35	Region 21	78.6	72.9	80.4	28.0	21.6	41.2	11.3	3.3	23.1	67.1	56.2	77.5	21.6	10.9	37.3	1.1	0.1	2.3	0.7	0.1	1.6	4	0	11	101.2	88.6	115.3		
33	Region 22	79.1	76.8	81.9	29.2	25.4	31.3	15.1	1.2	24.3	66.9	61.4	72.7	18.0	11.1	33.7	0.7	0.2	1.2	0.5	0.1	0.9	2	0	9	97.9	88.6	104.8		
55	Region 23	79.6	74.4	81.5	30.3	21.4	37.6	18.2	2.1	27.6	67.7	50.1	75.6	14.1	6.6	46.1	1.0	0.1	2.6	0.8	0.1	2.3	3	0	16	103.0	81.2	119.5		
25	Region 24	78.5	76.7	80.9	26.5	22.6	32.1	14.5	1.0	30.1	64.1	59.0	71.9	21.4	6.8	34.8	0.8	0.1	2.3	0.4	0.1	1.0	2	0	8	94.3	80.4	113.6		
10	Region 25	75.0	69.7	78.8	26.9	21.8	32.3	11.4	1.9	28.2	66.7	63.1	74.3	21.9	6.6	33.8	1.2	0.3	2.1	0.9	0.5	1.5	6	2	10	81.3	47.3	92.2		
18	Region 26	77.7	75.2	79.6	26.7	19.0	31.0	10.0	0.3	25.3	60.0	16.2	72.4	30.0	12.7	83.5	1.1	0.2	2.8	0.6	0.2	1.9	3	0	10	96.4	87.9	105.8		
5	Region 27	75.8	74.9	76.9	29.5	27.8	31.6	13.2	1.2	25.7	60.1	46.2	68.6	26.7	14.5	52.6	3.2	1.1	6.6	2.2	0.9	4.6	6	0	15	99.2	94.5	103.7		
14	Region 28	77.7	74.9	80.4	32.3	23.6	46.0	16.3	5.3	30.1	68.2	59.7	78.7	15.5	5.8	25.7	0.8	0.3	1.3	0.6	0.2	0.9	4	0	13	92.0	74.5	100.9		
17	Region 29	79.3	76.6	82.2	34.1	27.7	44.1	15.9	2.2	34.2	66.3	59.9	74.8	17.8	4.4	37.9	0.9	0.1	2.0	0.6	0.0	1.5	6	0	15	104.1	94.3	114.3		
19	Region 30	77.8	75.8	80.0	33.2	28.2	40.3	20.9	5.0	39.3	64.1	54.5	71.3	15.0	5.6	33.1	0.6	0.2	1.3	0.5	0.1	1.3	3	0	11	91.4	84.7	98.9		
29	Region 31	77.4	72.3	79.9	33.1	22.5	41.0	19.8	5.0	59.9	63.5	38.0	80.5	17.0	3.1	38.8	1.5	0.2	5.1	1.0	0.1	3.5	5	0	14	92.6	67.4	106.9		
34	Region 32	77.4	71.0	81.1	32.2	25.0	37.0	22.1	2.0	54.9	63.0	39.3	75.8	15.0	3.7	37.5	0.9	0.0	2.3	0.6	0.0	1.9	5	0	20	86.2	66.8	105.3		
34	Region 33	76.5	71.9	80.2	28.8	23.2	39.0	17.7	3.1	38.6	65.1	50.4	79.6	17.2	5.7	37.0	1.0	0.1	5.4	0.7	0.0	4.1	5	0	37	84.8	65.1	104.0		
41	Region 34	78.2	75.6	80.4	31.4	26.1	40.1	15.9	4.1	50.0	68.1	46.3	77.8	16.0	3.7	35.2	1.1	0.4	3.2	0.9	0.2	2.6	5	0	12	95.0	82.8	108.7		
7	Region 35	77.9	76.6	79.6	30.1	25.3	35.0	20.4	6.0	26.1	61.6	50.3	68.7	18.0	8.0	35.6	1.4	0.6	2.5	0.8	0.3	1.1	9	4	21	97.4	82.0	112.6		
19	Region 36	77.2	73.2	79.2	33.0	25.1	41.2	14.5	6.5	35.8	69.2	59.8	80.5	16.4	4.4	23.2	1.6	0.4	3.3	1.2	0.4	2.4	10	2	24	95.2	85.6	105.4		
508	Ave. white	78.2	78.2	78.2	29.6	25.1	41.2	15.1	0.0	59.9	65.0	16.2	80.5	20.0	3.1	83.5	1.0	0.0	6.6	0.7	0.0	4.6	4	0	37	97.0	47.3	119.5		
	Min. white		69.7			17.7		0.0																						
	Max. white		82.9			46.0		59.9																						