

TABLE 14: PHYSICAL QUALITY FACTORS OF WHITE AND YELLOW MAIZE (2015/2016)

Number of samples	Region	Test weight (kg/h)			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.	
WHITE AND YELLOW																									
1	Region 3	78.8	-	-	33.8	-	-	6.9	-	-	19.3	-	-	1.8	-	-	5	-	-	94.0	-	-	-	-	-
10	Region 8	76.9	75.4	79.6	35.1	32.1	37.5	16.6	4.2	22.4	19.4	11.0	31.2	0.9	0.2	2.6	14	3	24	91.7	84.8	98.9	-	-	
26	Region 10	79.5	76.4	81.7	36.4	29.4	43.1	4.5	1.4	14.2	24.2	8.0	32.5	0.6	0.1	1.4	5	1	13	93.5	74.8	110.3	-	-	
26	Region 11	79.3	75.7	81.4	35.6	32.3	39.4	6.7	1.8	15.7	21.2	9.6	32.8	1.0	0.4	2.2	9	0	23	100.8	74.8	112.3	-	-	
16	Region 12	78.2	75.6	81.0	31.4	21.9	37.2	15.8	0.8	99.4	61.0	0.1	72.3	0.5	0.0	1.4	4	2	9	102.8	94.6	109.6	-	-	
34	Region 13	77.6	74.3	81.3	31.1	25.6	36.7	12.3	2.8	23.0	22.4	11.2	46.2	1.4	0.2	4.8	3	0	6	101.4	85.5	114.1	-	-	
24	Region 14	79.2	77.6	81.3	32.9	27.8	36.8	21.0	8.3	28.9	13.3	7.7	21.0	0.6	0.1	1.8	4	0	10	104.3	94.7	111.6	-	-	
24	Region 17	78.7	72.6	81.1	31.4	24.5	35.9	16.8	2.5	99.0	20.5	0.8	59.7	0.8	0.0	1.9	3	1	9	102.2	80.0	110.6	-	-	
18	Region 18	77.2	71.8	80.0	31.5	27.4	34.9	10.6	1.8	19.4	24.1	14.3	63.0	1.2	0.2	2.2	4	2	13	98.9	82.0	109.9	-	-	
34	Region 19	77.3	68.6	80.8	31.0	17.1	37.6	13.7	0.9	42.1	63.4	24.2	93.6	0.4	0.0	1.5	4	0	11	100.7	88.6	116.3	-	-	
41	Region 20	76.5	59.8	81.2	32.0	21.7	39.9	14.0	0.4	40.1	66.0	34.4	89.5	1.3	0.2	4.2	4	0	12	91.0	21.7	109.1	-	-	
11	Region 21	78.9	75.2	80.9	31.0	27.9	35.7	14.1	5.9	30.9	64.3	55.9	75.2	1.2	0.3	2.4	11	1	30	106.4	88.8	117.0	-	-	
16	Region 22	78.3	75.6	80.2	30.7	24.8	33.8	17.6	3.2	33.9	66.7	55.6	80.8	1.2	0.3	2.7	7	0	15	103.6	93.2	111.3	-	-	
9	Region 23	78.6	76.3	81.2	32.0	28.0	41.9	17.2	2.5	26.4	11.3	3.1	35.9	0.8	0.3	1.7	6	3	18	100.6	89.8	111.2	-	-	
15	Region 24	79.2	75.4	81.9	31.3	26.2	35.6	14.6	2.5	28.3	68.6	62.9	76.4	0.8	0.3	2.0	7	1	25	102.1	79.1	111.2	-	-	
18	Region 25	77.3	72.9	79.9	33.1	28.7	38.6	15.2	6.5	26.8	18.7	8.1	77.9	0.7	0.1	1.6	5	2	11	90.6	74.2	104.0	-	-	
29	Region 26	76.5	69.9	80.9	32.6	24.8	38.3	16.9	3.2	42.8	16.2	1.9	43.4	1.0	0.2	2.0	4	0	21	92.1	63.0	119.5	-	-	
7	Region 27	78.3	76.8	81.9	32.5	27.3	38.1	12.7	5.9	24.6	17.7	7.6	32.5	1.2	0.2	2.0	3	1	5	98.3	86.0	114.0	-	-	
47	Region 28	76.5	68.5	81.0	31.6	24.3	38.0	16.6	0.3	31.1	66.7	50.6	78.9	0.9	0.1	2.4	6	1	18	93.3	75.0	112.3	-	-	
59	Region 29	78.1	71.2	83.9	32.9	25.7	38.5	18.2	5.6	41.7	13.2	4.0	22.6	0.8	0.0	3.0	5	0	31	99.1	80.0	120.1	-	-	
90	Region 30	76.8	71.7	81.1	31.8	23.5	39.6	13.7	1.1	38.0	18.4	4.6	51.8	0.8	0.0	2.7	4	0	19	93.3	68.5	108.5	-	-	
52	Region 31	75.6	68.5	79.8	31.4	20.8	39.6	13.0	0.8	31.5	20.4	4.1	63.8	1.2	0.1	3.2	4	0	12	91.3	70.2	107.0	-	-	
72	Region 32	76.4	71.3	81.8	32.1	22.1	40.8	13.4	1.5	34.1	18.8	0.2	50.1	1.0	0.0	4.5	3	0	21	89.0	72.5	109.1	-	-	
66	Region 33	76.9	72.2	81.1	29.5	21.9	35.3	10.3	0.6	24.3	25.6	8.1	71.2	1.0	0.1	4.2	6	0	23	93.5	79.8	106.5	-	-	
61	Region 34	77.5	71.1	81.2	32.2	26.5	40.5	13.1	0.4	36.8	66.8	45.2	80.9	0.7	0.1	2.2	4	0	21	95.9	83.1	109.6	-	-	
43	Region 35	77.2	72.9	81.2	32.3	24.4	37.2	8.2	0.3	34.2	66.7	52.8	78.5	1.7	0.7	7.2	6	0	27	90.5	52.7	107.1	-	-	
71	Region 36	77.2	68.9	81.2	33.2	26.6	40.2	10.3	0.4	29.4	23.7	4.8	52.1	0.7	0.0	3.6	6	0	20	96.5	52.4	110.7	-	-	
920	Ave. w & y	77.3	59.8	83.9	32.1	17.1	43.1	13.3	0.3	99.4	66.7	0.1	93.6	1.0	0.0	7.2	5	0	31	95.5	21.7	120.1	-	-	
	Min. w & y																								
	Max. w & y																								