

TABLE 13: PHYSICAL QUALITY FACTORS OF YELLOW MAIZE (2014/2015)

Number of samples	Region	Test weight (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.					
19	Region 10	77.1	74.3	79.7	33.5	28.3	36.6	6.7	3.3	12.3	71.1	63.9	78.9	22.2	13.9	32.8	1.0	0.2	2.7	0.8	0.1	1.8	4	1	10	85.4	70.2	97.8		
5	Region 11	79.2	77.9	80.0	34.2	33.3	35.8	8.8	5.1	15.3	68.6	62.7	75.5	22.6	15.9	32.2	1.1	0.8	1.4	1.0	0.7	1.4	5	2	8	100.1	90.2	104.7		
7	Region 12	76.0	75.5	76.6	26.8	23.1	29.1	5.4	2.1	8.6	63.1	58.0	70.3	31.5	22.8	38.4	1.5	0.4	2.6	0.9	0.4	1.4	5	1	10	96.4	88.8	100.3		
15	Region 13	76.8	70.1	80.2	23.9	17.8	26.7	4.9	0.4	27.7	54.9	42.7	66.5	40.2	18.1	56.9	1.4	0.8	4.3	0.9	0.5	2.8	4	1	7	105.3	88.2	113.7		
18	Region 14	76.9	73.9	79.4	26.7	19.7	30.7	4.5	1.1	8.7	60.8	45.2	74.3	34.8	17.0	53.7	1.2	0.4	2.2	0.9	0.4	2.0	4	0	24	101.1	80.7	112.6		
1	Region 15	83.1	-	-	28.9	-	-	1.0	-	-	64.2	-	-	34.8	-	-	1.4	-	-	1.1	-	-	2	-	-	115.6	-	-		
4	Region 16	78.5	77.1	79.9	27.6	23.7	31.6	5.5	2.1	10.2	57.1	47.0	64.8	37.5	28.4	50.5	1.4	0.8	2.2	0.9	0.6	1.2	4	2	5	107.5	99.6	113.1		
16	Region 17	76.7	73.9	77.9	24.7	21.3	33.2	4.2	0.7	23.7	57.2	44.3	67.5	38.7	8.8	54.0	1.8	0.7	4.3	1.2	0.3	3.5	4	0	9	100.4	92.7	107.7		
8	Region 18	77.1	75.1	80.5	28.4	24.4	36.1	9.7	3.0	27.8	59.6	53.2	67.0	30.7	8.8	42.7	1.0	0.2	1.8	0.6	0.1	1.2	8	1	22	102.2	94.9	108.7		
21	Region 19	77.6	74.0	80.0	26.1	22.5	33.9	4.1	0.8	10.3	56.9	38.9	75.2	39.0	14.5	58.8	1.7	0.3	6.8	1.0	0.3	2.8	7	1	56	102.8	92.0	122.9		
18	Region 20	77.3	74.2	80.2	28.5	21.9	35.0	7.4	1.8	16.7	61.5	52.6	70.5	31.1	18.0	43.3	1.4	0.5	3.9	1.0	0.4	2.8	5	1	17	95.4	75.5	114.1		
8	Region 21	77.5	73.8	83.0	31.3	26.5	37.7	7.9	0.8	24.1	66.6	62.0	74.7	25.5	9.7	33.7	1.1	0.3	2.2	0.9	0.1	1.4	8	3	15	97.6	74.7	110.1		
7	Region 22	79.3	77.3	82.4	29.5	24.9	32.7	5.3	0.0	12.0	60.4	38.6	68.9	34.3	20.7	61.4	1.3	0.8	1.7	1.0	0.5	1.3	5	3	9	107.6	103.3	119.1		
5	Region 23	78.4	77.2	80.7	30.1	28.9	31.9	6.4	2.8	11.5	66.0	61.9	69.0	27.6	20.7	33.3	1.6	0.7	2.2	1.1	0.6	1.6	7	2	17	108.9	105.5	112.4		
5	Region 24	79.5	78.2	82.1	30.0	26.7	32.6	6.3	1.9	8.4	63.2	55.6	70.4	30.5	21.2	39.5	0.9	0.1	1.2	0.6	0.0	1.0	8	4	11	103.6	95.0	110.9		
6	Region 25	76.5	74.3	77.4	29.6	20.2	36.0	6.9	3.1	12.1	63.1	43.1	71.5	30.0	21.1	52.6	1.8	0.9	3.1	1.2	0.8	1.7	5	1	10	91.4	85.9	95.2		
9	Region 26	76.8	72.8	79.6	30.3	26.6	33.7	8.6	3.4	22.7	65.6	57.7	73.1	25.8	9.5	36.8	0.8	0.2	1.2	0.6	0.1	0.9	5	1	12	100.3	84.6	110.8		
5	Region 27	77.1	75.5	78.7	28.4	25.6	32.5	8.6	3.1	14.4	63.5	58.0	69.6	27.8	21.4	38.9	1.6	1.2	2.0	1.1	0.9	1.4	11	6	15	97.3	92.8	100.5		
32	Region 28	76.5	74.1	79.0	30.6	24.3	36.4	11.8	4.6	23.3	66.4	49.7	73.4	21.8	9.3	45.5	1.1	0.4	3.5	0.8	0.3	2.3	5	0	13	94.2	81.2	102.4		
58	Region 29	75.3	67.3	80.7	27.6	19.3	35.6	8.7	0.3	25.3	64.0	30.3	76.6	27.3	8.5	69.1	1.4	0.3	5.2	0.8	0.1	3.3	5	0	29	96.4	63.4	114.8		
59	Region 30	75.4	68.8	80.0	27.6	19.4	36.0	10.0	0.0	26.3	62.9	16.4	76.7	27.1	4.2	83.6	1.5	0.4	3.1	1.0	0.3	2.4	5	0	28	94.3	50.2	111.8		
49	Region 31	76.2	72.8	79.5	27.3	19.9	34.1	8.1	0.0	20.1	62.1	9.2	72.4	29.8	10.9	90.4	1.1	0.3	2.5	0.8	0.2	1.8	5	0	22	93.9	79.4	107.2		
40	Region 32	75.1	70.3	78.0	27.9	21.4	34.8	11.2	2.4	22.2	67.5	57.2	76.1	21.4	8.5	40.4	1.5	0.3	5.6	1.0	0.3	4.8	5	0	28	86.2	72.5	101.5		
43	Region 33	75.3	68.4	77.9	30.0	23.9	38.2	13.3	1.0	30.2	65.0	41.8	73.5	21.7	7.5	57.2	1.3	0.2	4.4	0.9	0.2	3.1	5	0	12	88.6	73.6	98.6		
27	Region 34	76.4	73.0	82.6	28.7	24.9	37.4	9.8	1.1	27.7	64.8	43.8	74.1	25.4	5.7	50.8	1.1	0.2	2.3	0.8	0.2	1.6	4	1	12	97.9	83.2	118.0		
6	Region 35	76.3	72.7	77.9	31.1	28.4	34.3	3.6	1.3	5.3	62.3	53.9	73.3	34.1	21.4	44.8	1.3	0.3	1.9	1.2	0.3	1.7	6	1	23	79.0	68.9	93.9		
24	Region 36	76.7	74.8	79.2	33.0	26.3	37.1	11.4	2.9	18.6	64.0	47.7	72.9	24.7	12.1	47.6	1.3	0.2	4.3	1.0	0.2	3.4	7	2	15	92.2	78.4	102.9		
515	Ave. yellow	76.3			28.6	17.8	38.2	8.8	0.0	30.2	63.4	9.2	78.9	27.8	4.2	90.4	1.3	0.1	6.8	0.9	0.0	4.8	5	0	56	95.0	50.2	122.9		
	Min. yellow	67.3																												
	Max. yellow	83.1			38.2																									