

TABLE 13: PHYSICAL QUALITY FACTORS OF YELLOW MAIZE (2015/2016)

Number of samples	Region	Test weight (kg/ha)			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.	
1	Region 3	78.8	-	-	33.8	-	-	6.9	-	-	19.3	-	-	2.4	-	-	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	0.3	0.1	1.2	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	0.3	0.0	1.2	5	1	13	93.5	74.8	110.3
24	Region 11	79.3	75.7	81.4	35.7	32.5	39.4	6.8	1.8	15.7	21.1	9.6	32.8	1.0	0.4	2.2	0.5	0.1	1.1	9	0	23	100.3	74.8	110.5
5	Region 12	77.3	75.9	78.8	28.7	26.4	32.3	5.2	2.2	9.0	33.1	21.0	42.8	0.9	0.3	1.5	0.4	0.0	1.2	4	2	9	101.7	96.6	106.2
8	Region 13	76.7	74.7	79.9	30.2	26.2	33.3	6.7	2.8	11.9	30.1	14.9	46.2	1.3	0.5	1.9	0.5	0.1	0.8	2	0	4	102.9	90.3	109.6
3	Region 14	77.9	77.6	78.3	30.8	29.5	31.6	12.2	8.3	15.8	15.6	14.5	16.5	1.0	0.5	1.8	0.3	0.0	0.8	3	1	7	99.4	97.5	100.7
6	Region 17	77.5	73.9	79.6	29.5	24.5	35.3	6.4	2.5	12.9	31.6	16.7	59.7	1.0	0.4	1.9	0.3	0.0	0.4	2	1	4	101.9	93.5	108.6
9	Region 18	76.4	71.8	79.1	30.8	27.4	34.6	9.9	1.8	18.3	27.1	15.5	63.0	1.2	0.7	1.7	0.6	0.2	0.8	5	2	13	96.6	82.0	104.4
12	Region 19	76.2	70.9	79.0	29.6	17.1	36.7	8.9	0.9	18.5	25.4	0.5	74.9	1.1	0.1	2.7	0.4	0.0	0.8	3	1	10	97.5	88.8	107.9
20	Region 20	74.8	59.8	78.7	31.2	21.7	35.7	10.3	0.4	23.1	25.9	9.1	64.3	1.4	0.2	3.3	0.4	0.0	1.2	5	0	12	85.7	21.7	101.7
5	Region 21	77.0	75.2	78.1	30.2	27.9	31.7	9.5	5.9	12.7	27.3	12.1	38.2	1.4	0.7	2.1	1.1	0.6	1.4	10	2	27	98.9	88.8	107.2
4	Region 22	76.7	75.6	77.4	28.1	24.8	31.9	7.3	3.2	11.2	23.6	8.0	41.2	1.2	0.8	1.7	0.5	0.3	0.6	8	1	12	101.2	98.3	103.9
4	Region 23	78.0	76.3	79.6	32.7	28.0	41.9	13.0	2.5	24.8	14.4	3.1	35.9	0.4	0.3	0.6	0.1	0.0	0.2	5	3	9	96.4	89.8	99.4
5	Region 24	77.8	75.4	80.1	32.5	30.2	35.6	6.0	2.5	10.8	25.9	19.0	31.3	1.1	0.6	2.0	0.3	0.0	0.6	4	2	6	94.3	79.1	110.8
13	Region 25	77.5	74.9	79.3	33.1	28.9	36.6	14.6	6.5	26.8	21.3	10.5	77.9	0.7	0.1	1.6	0.2	0.0	0.6	5	2	11	92.3	79.8	104.0
14	Region 26	76.9	72.5	80.9	33.2	27.0	37.5	16.2	3.4	31.7	15.0	1.9	33.5	1.1	0.4	2.0	0.3	0.0	0.8	3	0	5	93.8	63.0	119.5
4	Region 27	77.7	77.0	78.7	31.7	27.3	38.1	14.0	5.9	24.6	19.0	7.6	32.5	1.0	0.2	1.8	0.6	0.1	1.1	4	2	5	98.6	87.9	108.4
32	Region 28	75.3	68.5	78.6	31.3	25.9	36.5	15.7	2.2	28.9	17.4	7.6	36.3	1.0	0.2	2.0	0.5	0.1	1.2	6	1	18	90.1	75.0	112.3
43	Region 29	77.3	71.2	81.2	32.3	25.7	36.3	17.8	6.0	28.3	13.9	6.9	22.6	1.0	0.2	3.0	0.7	0.1	1.3	5	0	31	97.4	80.0	107.4
59	Region 30	75.9	72.5	78.9	31.8	23.5	38.9	14.7	1.1	31.1	17.0	4.6	51.8	0.9	0.1	2.7	0.5	0.0	1.9	4	0	19	91.6	68.5	106.9
37	Region 31	75.7	69.4	79.8	31.6	25.5	36.9	13.8	4.2	31.5	19.1	7.2	40.1	1.1	0.2	2.9	0.6	0.0	2.3	3	0	12	90.8	70.2	107.0
44	Region 32	75.3	71.3	79.2	31.0	22.1	37.2	14.0	1.5	34.1	19.6	0.2	50.1	1.2	0.2	4.5	0.7	0.0	4.1	3	0	21	85.2	72.5	98.9
31	Region 33	76.6	74.0	80.6	28.4	22.1	34.0	7.9	0.6	14.7	29.5	15.1	71.2	1.0	0.1	1.9	0.6	0.0	1.2	5	1	11	91.3	79.8	102.1
31	Region 34	76.7	72.7	79.9	31.4	27.7	38.9	11.8	1.3	26.6	21.7	11.2	53.4	0.8	0.1	1.9	0.5	0.0	1.4	4	0	21	93.7	83.1	106.9
16	Region 35	75.8	72.9	78.3	31.3	24.6	36.1	5.4	0.3	14.4	30.0	12.7	42.6	1.9	0.8	4.4	0.8	0.0	2.4	7	1	27	79.7	52.7	96.6
39	Region 36	77.5	68.9	81.2	32.2	26.6	40.2	8.6	0.4	29.4	27.7	4.8	52.1	0.7	0.0	2.0	0.3	0.0	0.8	6	0	20	94.0	52.4	110.7
505	Ave. yellow	76.7			31.8			11.8	0.3	34.1	21.6	0.2	77.9	1.0	0.0	4.5	0.5	0.0	4.1	5	0	31	92.6	21.7	119.5
	Min. yellow	59.8			17.1																				
	Max. yellow	81.7			43.1			34.1		93.6	77.9			4.5											