

TABLE 13: PHYSICAL QUALITY FACTORS OF YELLOW MAIZE (2011/2012)

Number of samples	Region	Hectolitre mass (kg/ht)			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 10	77.5	76.3	78.9	36.7	33.9	40.0	7.2	3.9	11.8	71.8	69.1	75.2	21.0	16.2	27.0	1.2	1.0	1.4	1.0	0.7	1.3	12	6	17	83.5	80.9	88.0
19	Region 11	77.2	75.4	79.5	32.3	25.5	38.1	4.1	0.6	8.9	59.2	38.9	70.9	36.7	20.2	59.7	1.1	0.3	2.1	1.0	0.3	2.1	6	1	13	86.3	75.0	99.2
7	Region 12	76.7	73.9	80.0	29.9	25.3	36.1	8.0	2.6	15.7	64.1	58.2	71.2	27.9	17.4	39.2	2.2	0.8	3.5	1.6	0.7	2.4	6	0	10	94.3	82.4	103.6
12	Region 13	76.9	74.2	80.0	26.5	20.8	32.0	7.2	2.2	16.2	61.8	50.9	72.9	30.9	13.9	45.5	1.1	0.6	2.6	0.8	0.3	1.8	5	1	13	97.6	89.9	108.1
13	Region 14	77.0	75.4	79.1	27.9	25.2	32.5	7.1	2.6	16.8	62.9	55.0	69.0	29.9	17.8	42.4	1.3	0.2	2.6	1.0	0.0	2.3	6	1	16	97.4	86.5	109.9
3	Region 15	78.2	77.6	78.7	29.2	23.2	33.6	5.3	3.8	7.6	60.6	49.8	67.8	34.2	28.3	45.8	1.4	0.9	1.9	1.3	0.8	1.8	10	7	13	96.0	94.6	97.6
5	Region 16	76.8	75.3	78.9	28.5	25.7	33.1	10.1	3.9	20.3	64.6	56.7	70.2	25.3	11.8	39.4	1.7	0.7	2.4	1.3	0.5	2.0	5	2	8	93.5	85.0	103.2
10	Region 17	76.5	72.5	79.1	27.2	23.4	32.5	6.6	3.0	14.1	62.1	54.4	70.5	31.3	16.2	42.4	1.6	0.5	3.0	1.2	0.5	2.2	5	1	11	92.5	67.0	106.9
12	Region 18	77.0	75.9	77.6	29.2	25.8	37.4	10.1	5.1	18.8	64.8	57.0	73.9	25.1	15.3	35.4	1.3	0.8	2.0	0.9	0.6	1.4	4	0	7	92.6	86.7	101.8
12	Region 19	75.9	69.9	78.5	28.3	23.9	38.2	7.3	2.6	14.9	61.3	54.0	68.5	31.4	20.3	41.6	2.7	0.6	9.3	1.8	0.4	6.8	6	0	16	92.5	72.1	100.2
5	Region 20	76.8	75.5	78.0	28.9	26.5	34.4	9.6	6.3	11.4	67.3	61.8	73.3	23.1	15.6	31.9	1.8	0.2	4.6	1.2	0.1	2.9	7	2	17	93.5	82.1	101.0
11	Region 21	76.0	73.4	77.4	26.1	21.9	32.3	4.6	0.9	10.0	57.1	4.5	66.7	38.2	24.2	56.5	1.6	0.6	2.8	1.2	0.6	1.9	6	2	9	90.7	78.7	101.7
6	Region 22	76.1	73.1	78.7	28.2	24.8	34.4	8.1	3.6	12.4	68.3	63.4	72.2	23.6	17.8	33.0	3.7	0.2	15.6	2.2	0.1	8.3	4	0	11	92.0	82.2	102.2
12	Region 23	75.7	68.1	78.7	26.7	14.5	33.0	8.6	0.4	19.6	62.9	39.4	74.8	28.5	17.3	60.2	1.7	0.5	3.6	1.3	0.3	2.6	9	0	25	92.5	73.6	101.5
9	Region 24	76.8	72.9	80.2	30.2	26.2	32.8	7.3	1.9	22.9	65.1	56.5	71.9	27.6	12.9	41.6	2.0	0.5	4.4	1.5	0.5	3.5	8	0	24	90.1	64.6	109.0
15	Region 25	76.0	73.8	80.7	28.8	22.8	36.7	9.3	1.8	22.6	66.1	56.2	78.0	24.7	9.2	39.3	1.2	0.4	2.7	0.9	0.2	1.7	8	3	19	86.2	79.1	95.5
14	Region 26	76.0	73.9	77.7	25.6	19.9	29.9	5.2	1.2	14.4	57.5	43.0	68.4	37.2	22.6	55.8	1.3	0.6	2.6	0.8	0.1	1.6	4	1	11	93.4	86.1	102.1
3	Region 27	77.0	75.8	79.3	28.2	24.9	33.5	6.3	4.4	8.8	62.4	54.4	67.7	31.3	26.1	41.2	2.4	1.0	3.3	1.7	0.6	2.2	9	2	16	94.4	85.9	103.5
27	Region 28	75.1	70.9	77.9	30.4	22.9	37.8	15.1	3.8	28.7	65.8	54.8	75.4	19.1	7.4	38.4	1.1	0.2	5.3	0.8	0.1	3.3	7	0	27	85.3	74.8	98.7
47	Region 29	75.3	68.8	78.9	27.7	17.7	34.3	11.4	0.0	32.4	61.7	13.7	74.6	26.9	8.6	86.3	1.3	0.2	4.9	0.8	0.0	3.5	5	0	17	87.4	75.6	97.7
59	Region 30	75.8	69.8	79.2	29.4	19.5	36.6	12.8	0.7	24.3	65.0	23.4	72.7	22.2	7.9	75.9	1.2	0.2	8.5	0.9	0.0	8.2	7	0	20	86.7	61.0	100.8
24	Region 31	75.9	73.5	78.5	29.4	23.5	35.1	15.8	6.1	24.2	66.4	59.3	73.1	17.8	11.1	27.9	1.0	0.4	1.9	0.7	0.3	1.3	4	1	9	86.5	78.2	95.4
35	Region 32	76.5	73.4	78.6	31.5	22.3	35.5	19.8	2.3	38.3	64.2	54.0	73.4	16.0	6.5	32.2	0.9	0.3	2.1	0.7	0.3	1.4	5	0	14	80.1	63.2	93.5
20	Region 33	75.3	72.7	78.2	30.1	23.7	38.1	14.9	5.1	31.8	63.6	53.3	70.3	21.5	8.4	41.6	1.2	0.4	3.0	0.9	0.2	2.9	6	1	13	81.4	68.9	95.7
17	Region 34	76.6	73.9	78.1	29.9	25.1	33.0	14.3	2.2	30.7	66.6	60.1	71.9	19.1	7.5	36.3	1.0	0.4	2.5	0.8	0.3	1.6	6	1	12	88.7	78.1	96.8
9	Region 35	77.2	75.4	79.4	34.0	28.1	37.7	5.6	2.2	9.4	71.0	51.4	79.0	23.4	14.4	46.4	1.6	0.4	4.5	1.4	0.2	4.1	8	0	22	82.6	70.5	95.6
13	Region 36	76.5	69.7	81.0	32.6	24.8	40.9	13.8	4.6	26.6	67.3	39.4	79.4	18.9	7.9	56.0	1.2	0.5	2.5	0.8	0.2	1.6	11	1	27	85.8	53.0	101.0
423	Ave. yellow	76.1			29.4			11.3			63.9			24.8			1.3			1.0			6			87.9		
	Min. yellow				14.5			0.0			13.7			6.5			0.2			0.0			0			53.0		
	Max. yellow				40.9			38.3			79.4			86.3			15.6			8.3			27			109.9		