

TABLE 12: PHYSICAL QUALITY FACTORS OF YELLOW MAIZE (2012/2013)

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.			
14	Region 10	79.4	76.6	80.9	31.7	28.7	37.3	2.4	0.8	4.9	64.3	47.3	71.5	33.3	24.9	50.4	1.1	0.2	2.6	0.9	0.1	2.2	4	1	13	91.8	78.0	103.4
24	Region 11	77.7	69.1	80.0	31.6	27.0	36.9	3.8	0.0	8.1	61.8	27.4	75.9	34.4	16.7	72.6	1.7	0.6	5.2	1.3	0.6	4.0	6	0	22	94.2	70.9	113.0
10	Region 12	76.3	73.3	78.9	23.2	16.7	27.4	4.3	0.8	8.3	49.3	28.3	61.1	46.4	30.6	70.8	2.1	1.0	4.0	1.0	0.6	1.8	4	1	7	97.3	83.9	108.4
7	Region 13	75.4	69.0	79.9	21.4	15.2	26.5	3.8	0.0	11.2	47.1	18.5	66.4	49.1	26.5	81.5	2.0	0.8	4.1	0.9	0.5	1.7	3	1	4	96.1	70.4	113.5
12	Region 14	76.7	72.8	79.9	23.6	17.2	29.4	4.2	1.0	12.0	54.0	31.8	65.9	41.8	22.1	67.2	1.6	0.6	3.3	0.9	0.5	1.5	5	1	14	103.0	83.8	117.4
2	Region 15	78.1	76.9	79.2	31.2	27.7	34.7	12.7	8.7	16.6	65.1	63.9	66.3	22.3	19.5	25.0	0.9	0.7	1.0	0.7	0.6	0.7	1	0	1	100.5	99.9	101.0
4	Region 16	78.1	76.3	79.3	26.7	25.4	27.4	5.1	3.9	7.6	64.4	58.7	68.9	30.5	26.9	34.3	1.6	1.1	1.9	1.1	0.5	1.5	6	3	8	104.8	100.8	109.1
13	Region 17	75.1	72.4	79.2	21.4	17.1	27.5	3.8	0.2	9.8	49.6	26.8	66.2	46.6	24.0	73.0	2.4	1.3	4.4	1.2	0.8	1.8	3	0	8	96.2	86.0	113.2
11	Region 18	77.2	69.6	79.9	26.8	17.0	34.6	7.4	0.6	14.3	63.4	33.4	80.9	29.2	9.0	66.0	2.0	1.2	3.3	1.3	0.8	2.9	7	1	16	96.3	64.2	113.6
12	Region 19	75.9	72.3	77.8	23.6	18.3	32.0	4.2	0.2	14.5	53.0	30.0	74.9	42.9	18.4	69.6	1.5	0.2	2.4	0.9	0.1	1.6	3	1	7	95.8	85.5	114.6
8	Region 20	76.3	72.2	77.7	24.9	21.8	30.4	5.4	2.6	12.2	61.0	50.8	70.3	33.6	23.5	46.6	2.2	1.3	4.3	1.4	0.6	3.1	6	1	20	97.4	90.1	107.0
12	Region 21	75.7	73.0	78.7	24.9	18.2	32.3	5.4	0.3	17.5	58.7	33.7	77.9	36.0	14.9	66.0	2.0	1.2	2.7	1.2	0.8	1.8	5	2	10	99.1	91.6	105.7
4	Region 22	76.7	74.5	77.9	24.6	22.7	27.9	3.7	2.4	5.7	59.0	53.9	62.9	37.4	31.4	43.3	1.5	1.0	2.1	1.1	0.3	1.7	5	2	8	94.9	88.0	100.9
25	Region 23	76.8	72.0	80.6	26.1	17.4	33.1	9.2	0.7	18.9	57.2	27.4	73.3	33.6	12.7	71.9	2.0	0.7	3.9	1.4	0.7	2.8	4	0	13	97.5	79.0	114.7
9	Region 24	77.7	74.0	79.9	27.9	20.5	38.4	5.8	0.3	9.2	58.2	26.9	72.4	36.0	20.8	72.8	2.7	1.6	5.1	1.7	0.9	3.0	7	2	12	104.3	96.5	116.4
23	Region 25	75.9	72.8	79.1	26.5	21.1	34.3	8.1	1.3	24.1	64.8	47.1	75.1	27.2	9.3	50.9	1.3	0.6	2.6	0.8	0.4	2.0	6	2	11	88.1	79.8	100.0
31	Region 26	75.3	67.8	77.8	23.6	15.3	31.3	6.7	0.0	21.1	54.0	18.9	68.7	39.3	16.0	80.4	1.5	0.3	2.6	0.8	0.1	1.7	5	0	31	90.5	70.7	105.1
8	Region 27	76.2	71.7	79.1	27.4	22.1	36.4	6.0	1.5	12.4	63.3	55.8	75.9	30.7	12.8	42.7	3.0	1.0	4.5	2.0	0.8	3.7	6	0	15	99.6	84.6	115.2
17	Region 28	76.2	74.3	78.0	30.7	24.9	36.3	15.5	6.1	25.1	65.2	60.7	71.5	19.2	7.4	31.4	1.4	0.6	2.2	0.9	0.3	1.4	6	0	14	91.0	75.7	100.3
38	Region 29	77.3	72.6	81.6	30.5	23.7	37.6	12.3	0.0	33.3	67.1	33.0	76.1	20.7	3.4	67.0	1.7	0.6	2.8	1.3	0.5	2.0	7	0	14	98.3	63.8	116.0
45	Region 30	77.3	73.3	80.1	32.0	23.5	40.2	15.7	0.8	42.6	65.7	45.9	76.2	18.6	3.7	48.8	1.3	0.1	3.6	0.9	0.0	2.6	4	0	16	91.7	77.5	103.8
48	Region 31	76.3	68.9	79.8	31.4	22.6	41.3	14.2	0.0	35.0	64.9	28.7	76.7	20.9	5.6	71.3	2.2	0.3	8.2	1.5	0.3	5.4	5	0	15	91.3	68.4	107.2
39	Region 32	76.9	73.4	79.9	29.0	21.4	35.9	13.1	0.0	31.1	63.3	41.3	76.7	23.5	6.0	58.7	1.2	0.2	3.3	0.8	0.2	2.0	5	0	16	87.5	72.4	114.5
16	Region 33	75.2	70.4	77.1	27.9	20.9	33.0	11.0	0.0	34.5	58.3	10.1	69.8	30.6	13.6	89.9	1.6	0.3	3.7	1.1	0.3	2.8	5	1	14	81.3	62.4	91.4
28	Region 34	77.2	73.4	80.0	29.8	24.8	36.1	11.2	1.9	30.9	67.4	58.6	73.9	21.4	8.1	37.2	1.9	0.1	3.9	1.4	0.4	2.9	6	0	20	98.4	80.8	113.5
12	Region 35	75.7	69.9	79.7	31.3	19.3	37.9	8.8	0.4	21.0	63.3	37.1	73.9	27.9	9.6	62.5	2.4	0.6	5.0	1.9	0.5	4.1	7	2	16	81.8	46.9	98.3
20	Region 36	76.1	71.8	78.4	30.8	23.4	35.6	13.9	1.5	23.7	65.1	42.6	75.0	21.0	7.3	55.9	1.6	0.4	3.5	1.1	0.3	2.9	9	1	19	88.4	70.1	100.9
492	Ave. yellow	76.6			28.4			9.8	0.0		61.7			28.5			1.7			1.1			5			93.2		
	Min. yellow	67.8			15.2			0.0			10.1			3.4			0.1			0.0			0			46.9		
	Max. yellow	81.6			41.3			42.6			80.9			89.9			8.2			5.4			31			117.4		