

**TABLE 12: PHYSICAL QUALITY FACTORS OF YELLOW MAIZE (2013/2014)**

Number of samples	Region	Hectolitre mass (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.	ave.	min.	max.	ave.							min.	max.				
11	Region 10	78.7	75.7	80.9	32.9	30.5	35.4	2.1	0.9	3.9	64.7	48.4	73.2	33.2	23.3	50.7	0.9	0.2	2.4	0.8	0.2	1.9	4	0	10	89.3	70.2	101.2	
5	Region 11	77.8	76.9	79.0	30.4	29.6	31.3	2.6	2.0	3.8	61.7	57.1	66.1	35.8	31.3	40.9	2.3	1.2	3.8	1.9	1.0	2.7	5	0	9	88.6	79.2	92.9	
6	Region 12	76.1	75.2	76.9	30.3	27.8	32.5	13.0	8.0	21.1	68.9	65.6	72.4	18.1	13.3	22.8	1.7	1.3	2.5	1.1	0.6	1.7	13	10	17	95.6	89.9	100.9	
5	Region 13	76.6	75.2	77.4	29.9	27.1	32.2	12.5	9.5	17.2	69.0	65.5	73.4	18.5	13.6	25.0	1.5	1.2	1.7	1.0	0.8	1.2	2	0	5	95.3	91.2	97.5	
15	Region 14	76.7	73.7	78.4	29.8	22.5	32.3	10.7	3.7	18.6	70.0	50.1	75.0	19.3	11.8	46.2	1.7	0.9	2.6	1.3	0.4	2.2	6	0	18	97.8	89.5	103.6	
4	Region 15	72.4	56.6	80.3	29.7	18.6	38.2	8.4	3.3	14.1	65.8	56.4	74.7	25.8	11.2	37.2	2.2	1.8	3.0	1.5	1.0	1.7	5	2	11	93.6	81.7	105.6	
6	Region 16	77.1	76.0	78.5	29.0	25.0	32.1	13.7	3.9	28.6	67.3	63.6	74.1	19.1	7.8	28.2	1.9	1.2	2.9	1.5	0.9	2.1	5	2	10	97.7	92.9	103.2	
7	Region 17	75.5	73.9	77.2	30.8	25.2	43.1	12.9	8.7	23.3	69.7	64.4	75.4	17.4	11.2	26.9	1.6	1.0	2.7	1.3	0.9	2.2	8	2	12	92.4	88.9	97.9	
11	Region 18	76.5	75.7	77.8	30.4	28.2	32.9	14.1	6.9	22.4	69.1	61.6	77.9	16.8	10.9	27.0	1.3	0.1	2.9	1.0	0.1	2.3	4	1	10	96.5	92.2	102.4	
8	Region 19	76.0	74.9	77.2	30.3	25.9	32.9	16.3	8.4	31.1	66.7	57.6	72.4	17.0	11.3	23.5	1.6	1.1	2.2	1.2	0.8	1.9	6	2	13	91.9	84.8	99.5	
9	Region 20	76.4	75.4	77.5	31.4	28.7	33.3	13.1	4.0	22.3	66.4	62.3	72.0	20.5	12.2	31.8	2.8	1.3	5.6	2.2	0.8	5.0	7	4	11	87.7	60.7	96.5	
17	Region 21	76.4	73.5	79.1	30.2	27.8	32.6	11.4	4.6	20.1	68.8	63.0	75.5	19.7	12.1	30.6	2.1	0.9	3.8	1.6	0.6	2.4	4	0	9	97.2	75.7	107.4	
7	Region 22	77.1	75.6	79.9	31.6	28.1	37.0	14.3	4.7	28.2	68.9	59.6	74.5	16.7	6.1	30.0	1.5	0.9	3.0	1.3	0.8	2.6	4	0	8	100.9	92.4	109.4	
8	Region 23	77.8	76.9	79.2	29.4	26.7	33.3	7.3	2.1	13.5	69.5	59.0	79.7	23.2	13.0	35.9	2.2	1.6	2.9	1.7	1.0	2.5	4	0	11	100.6	82.0	104.6	
11	Region 24	77.2	76.2	79.8	30.6	27.3	35.0	12.7	4.5	30.6	66.0	55.9	71.9	21.2	5.6	39.4	1.4	0.7	2.6	1.1	0.6	1.9	8	2	20	99.6	90.6	116.6	
27	Region 25	75.6	73.4	79.0	31.2	27.2	36.1	12.3	3.2	19.9	70.3	64.7	78.6	17.4	10.6	28.2	3.4	0.6	14.0	2.4	0.3	9.9	11	1	53	78.2	67.2	98.6	
10	Region 26	76.7	75.2	78.7	33.1	28.9	38.0	18.1	5.8	33.7	65.3	60.0	70.0	16.6	4.5	29.2	1.3	0.3	2.2	0.9	0.0	1.8	5	0	13	87.7	75.5	95.7	
24	Region 27	76.0	71.4	79.4	31.4	23.9	38.7	11.2	0.3	26.1	65.0	52.4	74.1	23.8	8.0	43.4	2.5	0.9	4.7	1.8	0.7	3.6	13	4	28	88.6	68.2	105.7	
33	Region 28	74.1	66.3	77.9	32.8	23.2	38.3	20.6	3.1	39.2	65.3	32.4	73.7	14.1	2.7	64.5	1.5	0.3	4.6	1.2	0.3	4.1	4	0	16	82.3	46.5	97.3	
65	Region 29	76.4	71.4	80.9	34.1	28.1	41.1	18.4	5.1	52.7	68.4	44.2	76.8	13.2	2.6	33.8	1.5	0.3	3.3	1.2	0.2	2.7	6	0	24	89.4	60.9	111.2	
34	Region 30	74.8	69.9	77.9	31.8	23.7	39.0	17.8	4.3	35.9	65.0	35.0	75.1	17.2	5.5	54.2	1.7	0.3	5.1	1.1	0.2	3.3	9	1	30	85.8	62.5	96.6	
37	Region 31	75.4	70.5	79.4	32.2	25.5	41.0	17.3	1.1	41.7	65.7	37.8	74.7	17.0	3.3	57.7	1.5	0.2	8.1	1.0	0.1	5.1	10	1	42	83.6	65.6	98.4	
52	Region 32	76.1	70.7	79.2	30.6	23.7	39.7	14.8	3.5	41.9	67.5	50.5	75.8	17.7	6.0	32.0	2.4	0.8	4.9	1.8	0.7	3.5	9	1	50	88.8	71.6	120.4	
15	Region 33	74.5	71.0	77.0	31.6	26.3	35.9	15.1	3.6	28.6	66.1	58.0	74.1	18.9	7.2	38.4	1.2	0.3	3.2	0.9	0.3	2.4	7	2	17	77.5	54.4	88.2	
30	Region 34	77.4	73.0	80.6	33.1	26.6	39.9	17.2	0.3	46.4	67.2	34.9	77.9	15.6	3.9	64.8	2.5	0.6	14.5	1.8	0.4	8.2	8	0	23	95.0	58.9	105.8	
8	Region 35	76.4	72.5	78.5	31.0	25.3	36.2	7.6	1.7	19.6	63.5	49.5	77.0	29.0	15.7	48.4	2.5	0.9	5.9	2.0	0.8	5.2	4	1	8	88.1	67.0	104.1	
14	Region 36	75.9	73.4	78.0	33.2	28.9	37.2	15.9	8.3	38.5	67.3	54.1	74.7	16.8	7.4	26.4	1.1	0.4	2.2	0.9	0.2	1.8	5	2	11	88.7	78.4	105.2	
479	Ave. yellow	76.0	56.6	80.9	31.8	18.6	43.1	14.9	0.3	52.7	67.1	32.4	79.7	18.0	2.6	64.8	1.9	0.1	14.5	1.4	0.0	9.9	7	0	53	89.0	46.5	120.4	
	Min. yellow																												
	Max. yellow																												