

**TABLE 12: PHYSICAL QUALITY FACTORS OF WHITE 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.
1	Region 11	78.9	-	-	33.3	-	-	15.8	-	-	19.2	-	-	2.1	-	-	1.0	-	-	2	-	-	100.4	-	-
13	Region 12	79.0	76.3	81.3	31.3	22.2	38.0	19.5	6.0	36.0	16.0	5.4	30.0	0.8	0.2	1.3	0.5	0.0	1.3	4	0	10	99.8	92.5	108.9
41	Region 13	78.7	74.9	80.5	30.2	25.1	37.9	14.1	6.5	34.7	17.8	7.2	39.9	0.7	0.1	2.1	0.5	0.0	1.7	4	0	17	100.7	85.2	107.6
47	Region 14	78.3	74.6	80.9	30.8	20.7	37.3	17.2	2.4	25.9	16.4	8.1	49.2	0.8	0.0	3.2	0.6	0.0	2.5	6	0	20	98.8	84.2	111.7
13	Region 15	79.2	77.9	81.1	33.2	27.2	44.4	26.9	16.3	34.4	10.2	5.2	18.7	0.8	0.2	3.1	0.5	0.1	2.0	7	2	23	93.1	82.8	103.4
30	Region 16	79.4	77.1	80.7	32.5	27.1	39.0	22.9	3.7	37.7	13.7	5.4	44.1	0.6	0.0	1.3	0.4	0.0	0.9	6	2	14	99.2	95.3	109.2
27	Region 17	78.4	73.8	80.2	29.2	25.0	32.7	12.7	7.0	26.8	21.9	8.0	33.9	0.8	0.3	1.5	0.5	0.2	1.2	5	0	10	96.6	71.5	106.0
33	Region 18	78.0	72.3	80.2	32.0	27.7	39.4	19.9	6.7	63.3	16.2	3.0	26.5	0.9	0.2	3.1	0.7	0.0	2.3	6	0	20	94.5	82.0	104.5
26	Region 19	78.2	73.7	81.0	32.1	24.8	37.8	20.1	4.5	47.5	16.7	2.9	39.5	1.1	0.2	2.4	0.8	0.0	1.5	6	0	15	98.0	81.2	117.0
11	Region 20	77.8	73.9	80.1	31.9	24.1	34.8	15.3	1.6	28.7	18.6	9.6	30.0	0.7	0.1	1.5	0.4	0.1	0.8	5	1	9	94.2	82.8	103.5
31	Region 21	78.2	75.6	80.0	28.4	25.6	31.6	14.7	4.9	24.8	20.5	10.5	42.7	0.7	0.1	1.4	0.5	0.0	1.1	4	0	11	93.9	84.6	107.0
40	Region 22	78.2	75.6	80.5	30.4	25.2	34.0	22.0	10.5	36.7	12.1	7.4	19.8	0.8	0.3	2.6	0.6	0.0	2.2	4	0	25	95.8	87.7	102.7
51	Region 23	78.5	71.8	80.8	31.3	23.0	36.5	24.3	5.4	43.5	11.5	6.3	27.2	1.0	0.1	5.3	0.8	0.0	3.9	5	0	18	95.0	85.9	103.9
22	Region 24	78.4	76.4	79.7	31.3	26.5	37.3	21.7	8.1	37.2	13.8	7.3	25.3	0.8	0.2	1.7	0.6	0.2	1.2	6	0	11	93.1	79.8	108.6
6	Region 25	77.7	76.0	79.4	29.8	26.8	32.7	13.6	5.5	23.1	19.0	8.7	39.4	0.8	0.3	2.1	0.5	0.2	1.2	8	3	18	92.6	89.1	97.2
7	Region 26	77.5	75.0	80.7	26.8	21.1	31.3	6.6	1.2	12.6	37.0	19.9	62.4	1.0	0.4	1.9	0.6	0.3	1.1	6	1	24	94.5	83.2	100.9
2	Region 27	76.9	76.5	77.2	28.8	28.0	29.6	11.5	1.2	21.8	28.0	18.8	37.2	1.3	1.2	1.4	0.3	0.1	0.4	3	2	4	84.7	80.7	88.6
17	Region 28	77.6	73.7	81.7	31.6	24.6	40.0	17.0	6.1	31.5	15.4	5.1	34.5	0.8	0.1	4.1	0.5	0.0	3.0	6	0	20	90.5	78.4	102.7
19	Region 29	77.3	73.6	79.4	29.8	17.4	37.9	17.3	1.4	36.7	20.3	2.8	72.4	0.6	0.0	1.5	0.4	0.0	1.2	5	1	13	85.5	69.2	93.2
32	Region 30	77.3	73.9	80.1	31.6	21.7	43.6	19.3	3.6	50.2	17.9	4.1	31.6	1.1	0.0	8.6	0.7	0.0	4.9	6	0	19	89.8	75.4	102.9
8	Region 31	77.5	76.1	78.9	31.5	29.3	34.2	17.3	8.2	27.8	15.6	9.9	23.6	0.5	0.2	1.0	0.4	0.2	0.7	2	1	4	89.1	78.5	96.9
27	Region 32	77.7	74.9	80.6	32.8	28.4	37.0	19.1	2.7	39.8	17.0	4.9	28.4	0.7	0.1	1.8	0.6	0.1	1.2	5	1	14	80.8	67.0	90.6
24	Region 33	76.9	74.6	80.0	30.2	25.0	35.2	18.1	0.8	32.2	15.6	8.8	31.4	0.6	0.2	3.1	0.4	0.0	1.9	5	1	16	78.4	59.0	96.9
32	Region 34	77.7	74.3	79.9	31.9	27.7	36.2	19.7	5.1	34.6	15.3	5.2	40.2	1.0	0.1	2.6	0.7	0.0	2.0	6	0	16	85.0	70.5	103.4
4	Region 35	79.9	78.4	82.0	33.9	30.9	36.9	15.5	4.8	29.4	23.1	7.6	33.8	0.7	0.1	1.3	0.6	0.1	1.0	6	1	11	90.9	78.7	114.2
13	Region 36	78.3	76.4	80.1	37.0	34.6	41.0	21.1	8.4	33.6	11.8	6.2	21.3	1.2	0.7	3.4	0.9	0.5	2.6	9	2	17	96.9	82.0	107.2
577	Ave. white	78.2			31.2			18.8			16.3			0.8			0.6			5			93.3		
	Min. white	71.8			17.4			0.8			2.8			0.0			0.0			0			59.0		
	Max. white	82.0			44.4			63.3			72.4			8.6			4.9			25			117.0		