

TABLE 10: PHYSICAL QUALITY FACTORS OF WHITE MAIZE ACCORDING TO GRADE (2014/2015)
(continue)

Number of samples	Region	Test weight (kg/hl)			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 6 mm sieve	< 6.35 mm sieve	< 4.75 mm sieve	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.				
GRADE: WM2																												
4	Region 12	79.2	78.2	79.7	30.6	28.1	32.2	20.4	13.4	27.6	63.4	54.8	71.0	16.3	12.1	19.8	1.1	0.5	2.3	0.8	0.4	1.3	6	4	8	104.2	97.9	111.7
3	Region 13	78.7	77.9	80.2	26.6	24.4	28.5	9.5	5.8	15.3	59.6	53.2	63.2	30.9	22.4	41.0	0.8	0.5	1.0	0.5	0.4	0.5	4	3	5	105.0	99.1	110.3
1	Region 14	79.4	-	-	28.9	-	-	16.0	-	-	69.7	-	-	14.3	-	-	0.7	-	-	0.7	-	-	2	-	-	108.2	-	-
1	Region 17	78.7	-	-	25.5	-	-	6.7	-	-	64.6	-	-	28.7	-	-	0.6	-	-	0.5	-	-	0	-	-	106.1	-	-
4	Region 18	77.3	74.6	79.1	29.2	26.6	32.4	17.7	6.3	34.6	65.1	59.4	68.4	17.2	6.0	25.6	1.1	0.5	1.7	0.8	0.4	1.3	2	1	3	101.7	96.2	106.0
3	Region 19	77.1	76.7	77.9	30.0	25.5	35.4	30.6	14.8	40.3	58.3	53.1	65.8	11.1	6.6	19.4	1.8	1.4	2.0	1.1	0.5	1.5	9	6	13	104.1	100.8	106.6
3	Region 20	79.2	78.3	79.9	29.7	27.7	31.1	6.2	2.0	12.7	65.0	59.7	72.1	28.8	24.1	36.3	0.6	0.4	0.9	0.5	0.3	0.8	6	4	9	100.0	91.7	107.0
3	Region 21	80.2	77.0	82.0	31.2	30.8	31.6	16.0	11.9	19.1	66.0	62.4	71.1	18.0	12.0	23.5	1.4	1.0	1.6	0.7	0.5	1.2	12	8	16	115.2	103.5	123.5
4	Region 22	79.7	76.7	80.9	30.7	25.6	34.2	21.9	18.3	25.4	65.8	64.1	67.2	12.3	9.2	17.6	1.3	0.7	1.7	1.0	0.7	1.3	5	2	8	110.4	102.5	115.7
4	Region 23	79.4	77.9	81.1	32.9	30.6	35.1	18.5	12.9	21.5	67.7	63.9	72.0	13.9	11.4	16.9	1.2	0.9	1.6	1.1	0.8	1.5	5	3	9	106.2	97.1	112.9
1	Region 24	79.8	-	-	31.4	-	-	7.6	-	-	70.0	-	-	22.4	-	-	1.1	-	-	0.9	-	-	7	-	-	105.3	-	-
3	Region 25	75.6	74.7	76.1	28.8	23.9	34.4	15.9	5.2	35.2	64.0	59.0	73.3	20.2	5.2	35.8	1.7	0.9	2.9	1.1	0.8	1.6	6	2	9	94.8	85.8	102.0
2	Region 26	79.6	78.9	80.2	32.6	32.3	32.8	11.8	4.4	19.2	70.1	69.9	70.3	18.1	10.5	25.7	1.6	1.4	1.8	1.2	0.9	1.5	5	5	5	108.1	102.7	113.5
4	Region 28	79.0	77.9	80.8	33.9	29.8	36.7	28.9	14.5	35.6	62.3	57.6	69.7	8.8	5.6	15.8	1.3	0.5	2.5	1.0	0.5	2.0	5	1	8	99.4	93.2	104.4
4	Region 29	78.9	72.4	83.1	31.2	23.3	34.9	12.6	2.6	19.8	63.8	57.9	68.5	23.6	16.6	39.5	0.8	0.2	1.4	0.5	0.2	0.8	8	0	16	106.5	84.9	115.5
2	Region 30	77.6	76.9	78.2	32.8	31.6	34.0	25.4	11.2	39.6	57.3	48.1	66.5	17.3	12.3	22.3	1.2	0.6	1.8	0.9	0.6	1.2	8	2	13	99.6	91.9	107.2
2	Region 31	74.6	73.8	75.4	28.5	23.4	33.5	7.5	2.3	12.6	70.7	64.4	76.9	21.9	10.5	33.3	2.6	1.3	3.8	2.0	0.9	3.1	15	1	28	88.8	77.6	100.0
3	Region 32	76.9	76.6	77.0	35.7	35.2	36.6	20.2	17.5	22.0	68.0	67.8	68.1	11.8	10.0	14.4	2.3	1.5	2.8	1.8	1.4	2.2	9	3	13	98.5	98.0	98.9
2	Region 33	78.2	77.5	78.9	33.3	32.8	33.7	20.8	14.9	26.7	67.2	64.6	69.8	12.0	8.7	15.3	1.5	0.7	2.2	1.0	0.5	1.5	9	4	13	97.8	94.2	101.3
2	Region 34	76.6	74.0	79.1	33.1	33.0	33.1	21.8	18.5	25.0	68.1	65.5	70.7	10.2	9.5	10.8	2.1	0.6	3.6	1.4	0.5	2.3	10	6	14	104.6	102.5	106.6
1	Region 35	77.9	-	-	29.9	-	-	21.2	-	-	67.2	-	-	11.6	-	-	1.2	-	-	0.6	-	-	5	-	-	96.7	-	-
3	Region 36	76.4	75.5	78.0	35.2	33.7	36.6	14.7	4.5	21.9	66.9	65.5	69.3	18.4	12.6	26.2	1.7	0.6	3.1	1.2	0.5	1.9	11	6	14	98.2	93.9	101.2
59	Ave. WM2	78.2			31.2			17.7			65.0			17.3			1.3			1.0			7			103.0		
	Min. WM2	72.4			23.3			2.0			48.1			5.2			0.2			0.2			0			77.6		
	Max. WM2	83.1			36.7			40.3			76.9			41.0			3.8			3.1			28			123.5		

TABLE 10: PHYSICAL QUALITY FACTORS OF WHITE MAIZE ACCORDING TO GRADE (2014/2015)
(continue)

Number of samples	Region	Test weight (kg/hl)			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 6 mm sieve	< 6.35 mm sieve	< 4.75 mm sieve	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.				
GRADE: WM3																												
2	Region 13	81.3	80.8	81.7	30.1	28.2	32.0	6.4	5.8	7.0	61.4	61.0	61.8	32.2	31.2	33.2	0.9	0.8	0.9	0.6	0.4	0.7	8	6	10	112.6	112.1	113.0
1	Region 14	73.5	-	-	24.9	-	-	5.3	-	-	65.6	-	-	29.1	-	-	0.4	-	-	0.3	-	-	0	-	-	87.5	-	-
2	Region 17	76.4	76.1	76.7	34.2	33.6	34.7	23.3	23.3	23.3	68.1	67.3	68.9	8.6	7.8	9.4	4.1	3.5	4.6	2.1	2.0	2.2	13	12	14	79.9	79.1	80.6
1	Region 18	74.2	-	-	33.9	-	-	31.3	-	-	63.2	-	-	5.5	-	-	2.1	-	-	1.8	-	-	6	-	-	94.2	-	-
1	Region 19	70.9	-	-	23.9	-	-	12.6	-	-	64.1	-	-	23.3	-	-	10.9	-	-	5.6	-	-	26	-	-	81.3	-	-
2	Region 20	72.0	71.1	72.8	47.4	46.4	48.3	86.3	85.9	86.7	13.6	13.1	14.1	0.1	0.0	0.2	2.9	2.7	3.0	2.1	2.0	2.2	15	9	20	93.4	90.7	96.0
1	Region 21	74.5	-	-	30.3	-	-	16.6	-	-	71.6	-	-	11.8	-	-	1.4	-	-	1.1	-	-	5	-	-	101.3	-	-
1	Region 24	80.4	-	-	32.4	-	-	12.0	-	-	73.4	-	-	14.6	-	-	0.6	-	-	0.5	-	-	6	-	-	106.3	-	-
2	Region 25	72.4	72.3	72.4	26.6	24.6	28.5	6.8	2.1	11.4	64.3	56.9	71.6	29.0	17.0	41.0	2.3	2.1	2.5	2.0	1.9	2.0	3	0	6	81.3	74.5	88.0
1	Region 28	72.6	-	-	29.6	-	-	10.8	-	-	67.1	-	-	22.1	-	-	0.8	-	-	0.6	-	-	8	-	-	87.8	-	-
1	Region 29	76.4	-	-	37.9	-	-	36.6	-	-	60.2	-	-	3.2	-	-	2.1	-	-	1.6	-	-	9	-	-	83.6	-	-
1	Region 30	76.0	-	-	36.1	-	-	31.5	-	-	63.4	-	-	5.1	-	-	1.4	-	-	1.1	-	-	20	-	-	89.1	-	-
1	Region 33	75.0	-	-	32.7	-	-	25.6	-	-	59.4	-	-	15.0	-	-	1.3	-	-	1.0	-	-	4	-	-	90.4	-	-
2	Region 34	70.9	70.2	71.5	31.4	28.7	34.1	25.4	10.5	40.3	67.2	55.8	78.6	7.4	3.9	10.9	3.8	2.6	5.0	2.4	1.6	3.1	18	2	34	82.2	71.4	92.9
19	Ave. WM3	74.7	-	-	32.7	-	-	25.2	-	-	59.8	-	-	15.0	-	-	2.6	-	-	1.7	-	-	10	-	-	90.5	-	-
	Min. WM3	70.2	-	-	23.9	-	-	2.1	-	-	13.1	-	-	0.0	-	-	0.4	-	-	0.3	-	-	0	-	-	71.4	-	-
	Max. WM3	81.7	-	-	48.3	-	-	86.7	-	-	78.6	-	-	41.0	-	-	10.9	-	-	5.6	-	-	34	-	-	113.0	-	-
CLASS: COM																												
1	Region 13	77.2	-	-	33.7	-	-	19.7	-	-	71.4	-	-	8.9	-	-	1.3	-	-	0.9	-	-	5	-	-	79.4	-	-
1	Region 19	70.9	-	-	25.5	-	-	6.2	-	-	64.6	-	-	29.2	-	-	12.1	-	-	4.5	-	-	61	-	-	81.0	-	-
1	Region 21	77.3	-	-	33.7	-	-	31.3	-	-	60.9	-	-	7.8	-	-	1.4	-	-	1.0	-	-	2	-	-	104.8	-	-
1	Region 30	76.5	-	-	39.0	-	-	34.5	-	-	58.6	-	-	6.9	-	-	1.9	-	-	1.9	-	-	22	-	-	110.9	-	-
1	Region 33	75.9	-	-	31.1	-	-	20.8	-	-	65.8	-	-	13.4	-	-	3.2	-	-	2.8	-	-	9	-	-	92.9	-	-
5	Ave. COM	75.6	-	-	32.6	-	-	22.5	-	-	64.3	-	-	13.2	-	-	4.0	-	-	2.2	-	-	20	-	-	93.8	-	-
	Min. COM	70.9	-	-	25.5	-	-	6.2	-	-	58.6	-	-	6.9	-	-	1.3	-	-	0.9	-	-	2	-	-	79.4	-	-
	Max. COM	77.3	-	-	39.0	-	-	34.5	-	-	71.4	-	-	29.2	-	-	12.1	-	-	4.5	-	-	61	-	-	110.9	-	-
485	Ave. white maize	78.3	-	-	31.1	-	-	15.4	-	-	66.1	-	-	18.4	-	-	1.1	-	-	0.8	-	-	6	-	-	100.4	-	-
	Min. white maize	70.2	-	-	20.3	-	-	0.3	-	-	13.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0	-	-	59.0	-	-
	Max. white maize	83.1	-	-	48.3	-	-	86.7	-	-	81.8	-	-	51.5	-	-	12.1	-	-	5.6	-	-	61	-	-	123.5	-	-
	Ave. maize	77.3	-	-	29.8	-	-	12.0	-	-	64.7	-	-	23.2	-	-	1.2	-	-	0.8	-	-	6	-	-	97.6	-	-
	Min. maize	67.3	-	-	17.8	-	-	0.0	-	-	9.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0	-	-	50.2	-	-
	Max. maize	83.1	-	-	48.3	-	-	86.7	-	-	81.8	-	-	90.4	-	-	12.1	-	-	5.6	-	-	61	-	-	123.5	-	-