

TABLE 21: MILLING- AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2003/2004)

Number of samples	Region	Milling index			Whiteness index unsifted			Whiteness index sifted 87:13			Number of samples	Region	Milling index			Whiteness index unsifted			Whiteness index sifted 87:13		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: WHITE											GRADE: WM 1										
3	Region 8	107.6	98.1	122.9	26.1	25.1	28.1	18.4	16.5	19.8	3	Region 8	107.6	98.1	122.9	26.1	25.1	28.1	18.4	16.5	19.8
3	Region 10	117.9	114.5	123.2	26.2	23.4	28.8	17.5	15.4	19.3	3	Region 10	117.9	114.5	123.2	26.2	23.4	28.8	17.5	15.4	19.3
9	Region 11	114.4	110.7	120.0	26.6	21.3	33.4	16.1	10.6	23.7	8	Region 11	114.5	110.7	120.0	26.2	21.3	33.4	16.8	13.7	23.7
14	Region 12	109.3	91.3	122.0	24.9	18.4	30.9	16.8	8.2	20.3	6	Region 12	112.4	104.1	121.4	26.7	22.5	30.9	19.1	16.9	20.3
8	Region 13	102.3	91.1	112.9	26.1	21.7	34.2	16.3	11.6	19.8	4	Region 13	107.2	100.5	112.9	27.9	24.1	34.2	18.4	17.3	19.8
21	Region 14	108.3	97.4	118.0	26.2	20.1	31.0	17.8	13.4	23.0	12	Region 14	109.2	97.4	118.0	26.6	22.7	31.0	18.5	13.8	23.0
9	Region 15	108.3	92.8	114.5	25.5	21.4	30.0	17.9	12.5	25.5	6	Region 15	110.8	106.8	113.8	25.2	21.8	29.4	18.7	12.5	25.5
13	Region 16	110.8	97.4	116.0	26.4	21.5	37.5	16.9	12.6	23.1	11	Region 16	111.0	97.4	116.0	26.6	21.5	37.5	17.1	12.6	23.1
24	Region 17	107.1	96.3	126.2	26.6	20.7	33.2	17.7	13.0	29.0	13	Region 17	107.0	96.3	126.2	28.3	21.6	33.2	18.6	13.0	29.0
26	Region 18	108.0	90.6	116.0	27.1	20.3	33.3	16.6	3.8	24.6	14	Region 18	109.8	105.2	114.7	28.2	22.5	33.3	17.1	11.3	24.6
15	Region 19	103.8	88.3	118.0	25.1	21.5	30.7	17.2	12.2	21.4	8	Region 19	108.5	101.1	118.0	26.2	21.5	30.7	18.2	12.2	21.4
16	Region 20	102.4	89.2	113.3	26.2	19.9	32.3	16.9	10.2	20.5	7	Region 20	104.8	98.1	113.2	26.8	22.8	32.3	17.9	15.2	20.2
29	Region 21	105.9	93.9	118.3	27.4	16.7	37.6	17.5	10.0	21.4	21	Region 21	106.5	95.5	115.8	27.4	16.7	37.6	17.6	11.0	21.4
47	Region 22	109.8	90.5	122.3	25.2	16.1	38.9	15.8	7.1	24.0	33	Region 22	112.1	90.5	122.3	26.2	18.1	34.3	16.4	7.3	20.1
140	Region 23	112.5	92.1	125.1	26.9	5.9	39.0	16.8	-3.6	24.3	97	Region 23	113.3	101.3	125.1	27.8	20.4	39.0	17.3	10.4	24.3
70	Region 24	109.4	64.4	123.0	25.3	19.7	35.2	16.1	10.2	24.7	57	Region 24	111.0	98.2	123.0	25.5	19.7	35.2	16.1	10.2	21.6
14	Region 25	96.9	66.1	127.0	31.9	24.6	39.1	17.3	12.4	24.3	10	Region 25	102.5	86.6	127.0	30.2	24.6	37.4	16.4	12.4	19.7
19	Region 26	106.7	79.5	118.3	28.0	18.9	36.3	15.8	9.9	22.0	15	Region 26	106.1	79.5	118.3	28.8	18.9	36.3	16.0	11.7	22.0
12	Region 27	106.9	89.5	114.0	24.5	14.7	32.1	14.9	8.4	17.6	10	Region 27	108.8	103.1	114.0	24.0	14.7	32.1	14.9	8.4	17.6
20	Region 28	105.6	95.0	118.0	24.8	14.4	31.1	15.4	2.7	21.1	16	Region 28	105.0	95.0	113.2	24.6	14.4	31.1	15.3	2.7	21.1
12	Region 29	109.9	94.7	121.4	28.3	18.8	34.1	16.5	13.5	20.7	7	Region 29	112.6	108.0	121.4	28.3	22.9	34.1	15.7	13.5	18.4
3	Region 30	105.7	99.6	112.4	30.2	27.5	32.1	18.7	13.7	21.4	1	Region 30	112.4	112.4	112.4	32.1	32.1	32.1	20.9	20.9	20.9
1	Region 31	116.2	116.2	116.2	21.4	21.4	21.4	11.7	11.7	11.7	4	Region 32	109.0	105.2	114.3	32.3	29.9	35.4	16.1	13.2	18.4
5	Region 32	108.5	105.2	114.3	32.1	29.9	35.4	17.3	13.2	22.0	40	Region 34	110.0	95.8	129.4	28.4	18.0	36.4	17.2	11.7	23.1
51	Region 34	109.0	88.5	129.4	27.9	18.0	36.4	16.7	11.0	23.1	7	Region 35	102.7	95.1	115.5	30.6	24.6	34.0	19.5	16.1	25.6
7	Region 35	102.7	95.1	115.5	30.6	24.6	34.0	19.5	16.1	25.6	6	Region 36	109.7	101.9	114.7	27.8	23.9	30.4	18.0	15.5	20.9
8	Region 36	108.6	101.9	114.7	28.6	23.9	33.5	17.4	15.5	20.9											
599	Ave white	108.8			26.7			16.7			419	Ave WM 1	110.2			27.2			17.0		
	Min white		64.4			5.9			-3.6			Min WM 1		79.5			14.4			2.7	
	Max white			129.4			39.1			29.0		Max WM 1			129.4						29.0

TABLE 21: MILLING- AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2003/2004) (continue)

Number of samples	Region	Milling index			Whiteness index unsifted			Whiteness index sifted 87:13			Number of samples	Region	Milling index			Whiteness index unsifted			Whiteness index sifted 87:13		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: WM 2											GRADE: WM 3										
1	Region 11	114.1	114.1	114.1	29.8	39.8	29.8	10.6	10.6	10.6	1	Region 13	91.1	91.1	91.1	29.3	29.3	29.3	13.7	13.7	13.7
7	Region 12	109.3	96.7	122.0	23.5	18.4	27.9	15.1	8.2	19.2	2	Region 14	101.8	101.1	102.5	22.9	20.1	25.7	15.1	14.1	16.1
3	Region 13	99.3	97.3	102.1	22.8	21.7	24.1	14.4	11.6	17.3	1	Region 15	92.8	92.8	92.8	21.4	21.4	21.4	13.3	13.3	13.3
7	Region 14	108.4	97.7	114.2	26.6	22.2	29.6	17.5	13.4	20.2	1	Region 16	109.1	109.1	109.1	23.5	23.5	23.5	16.0	16.0	16.0
2	Region 15	108.5	102.5	114.5	28.4	26.8	30.0	17.8	15.7	20.0	3	Region 17	103.7	97.6	108.4	25.5	23.7	28.8	15.9	14.6	17.3
1	Region 16	110.5	110.5	110.5	26.6	26.6	26.6	15.9	15.9	15.9	1	Region 18	106.8	106.8	106.8	20.3	20.3	20.3	18.8	18.8	18.8
7	Region 17	108.0	98.1	113.1	24.0	20.7	26.9	17.2	13.3	23.7	2	Region 19	91.8	88.3	95.3	24.2	23.3	25.0	16.6	15.6	17.5
11	Region 18	105.8	90.6	116.0	26.3	21.8	29.6	15.7	3.8	23.5	3	Region 20	102.2	95.2	113.3	25.5	19.9	29.5	15.7	10.2	20.5
5	Region 19	101.2	97.1	103.2	23.9	21.8	26.7	15.9	13.5	18.3	1	Region 21	106.9	106.9	106.9	27.3	27.3	27.3	10.0	10.0	10.0
5	Region 20	100.4	89.2	109.5	25.7	21.6	28.4	17.0	14.8	19.0	4	Region 22	105.7	96.7	112.0	18.6	16.1	22.4	10.8	7.1	17.5
7	Region 21	103.8	93.9	118.3	27.5	19.8	33.7	18.4	15.2	21.3	2	Region 23	103.5	102.7	104.2	25.7	25.5	25.8	13.5	13.4	13.7
10	Region 22	103.9	92.1	110.5	24.4	18.0	38.9	16.1	11.5	24.0	1	Region 24	107.1	107.1	107.1	25.0	25.0	25.0	18.0	18.0	18.0
40	Region 23	111.1	92.1	123.7	25.5	5.9	33.3	16.1	1.6	24.1	1	Region 27	89.5	89.5	89.5	25.9	25.9	25.9	13.5	13.5	13.5
12	Region 24	102.1	64.4	111.6	24.5	19.8	32.2	15.7	11.4	24.7	3	Region 29	107.9	94.7	117.1	26.7	18.8	33.7	17.6	15.9	19.7
4	Region 25	82.7	66.1	105.8	36.2	31.0	39.1	19.6	16.4	24.3	1	Region 30	99.6	99.6	99.6	27.5	27.5	27.5	13.7	13.7	13.7
4	Region 26	108.7	99.1	114.0	24.7	21.2	27.8	15.0	9.9	20.0	1	Region 34	104.8	104.8	104.8	21.6	21.6	21.6	11.0	11.0	11.0
1	Region 27	104.6	104.6	104.6	28.4	28.4	28.4	15.9	15.9	15.9	28 Ave WM 3		91.8			24.2			16.6		
4	Region 28	107.9	101.1	118.0	25.6	23.6	27.9	15.9	13.8	18.2	Min WM 3		88.3			23.3			15.6		
2	Region 29	103.6	99.7	107.5	30.6	30.6	30.7	17.4	14.1	20.7	Max WM 3		95.3			25.0			17.5		
1	Region 30	105.2	105.2	105.2	21.4	21.4	21.4	11.7	11.7	11.7	GRADE: COM										
1	Region 31	116.2	116.2	116.2	30.9	30.9	30.9	21.4	21.4	21.4	1	Region 12	91.3	91.3	91.3	23.9	23.9	23.9	15.0	15.0	15.0
1	Region 32	106.6	106.6	106.6	31.1	31.1	31.1	22.0	22.0	22.0	1	Region 17	112.2	112.2	112.2	25.3	25.3	25.3	15.4	15.4	15.4
10	Region 34	105.2	88.5	115.6	26.4	19.0	33.8	15.7	11.4	19.7	1	Region 20	96.9	96.9	96.9	26.3	26.3	26.3	13.4	13.4	13.4
2	Region 36	105.4	102.5	108.2	30.7	27.9	33.5	15.6	15.5	15.6	1	Region 23	101.3	101.3	101.3	8.3	8.3	8.3	-3.6	-3.7	-3.8
148 Ave WM 2		106.3			25.9			16.3			4 Ave COM		100.4			20.9			10.0		
Min WM 2		64.4			5.9			1.6			Min COM		91.3			8.3			-3.6		
Max WM 2		123.7			39.1			24.7			Max COM		112.2			26.3			15.4		
Ave white maize		108.8			26.7			16.7			Min white maize		64.4			5.9			-3.6		
Max white maize		129.4			39.1			29.0													