

TABLE 24: ROFF MILLING OF WHITE MAIZE (2003/2004)

Number of samples	Region	Roff Milling																	
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Bran/Germ, %			Extraction, % (Total meal)		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: WHITE																			
3	Region 8	13.3	9.9	15.7	10.7	9.9	11.1	25.0	23.8	25.8	29.3	26.6	33.1	21.7	20.9	22.8	78.3	77.2	79.1
3	Region 10	11.7	10.2	12.8	10.2	9.8	10.4	25.9	25.1	26.3	31.2	28.9	33.3	21.0	19.8	21.7	79.0	78.3	80.2
9	Region 11	11.4	10.7	12.3	10.9	9.9	14.1	25.9	24.3	28.1	31.4	30.2	33.7	20.3	18.1	22.2	79.7	77.8	81.9
14	Region 12	11.3	9.1	13.8	10.3	9.6	11.7	25.0	23.0	26.7	32.1	27.8	35.2	21.3	19.4	24.4	77.0	54.4	80.6
8	Region 13	12.0	10.8	14.0	10.5	9.9	11.9	24.7	23.7	25.8	31.3	28.0	33.5	21.4	19.3	22.9	78.6	77.1	80.7
21	Region 14	11.5	9.5	13.6	10.3	9.6	10.9	24.8	23.4	26.5	31.9	29.3	35.8	21.5	18.8	23.6	78.5	76.4	81.2
9	Region 15	11.3	10.1	11.7	10.4	9.5	11.7	25.8	23.4	27.2	31.5	30.6	32.9	21.0	19.4	24.7	79.0	75.3	80.6
13	Region 16	11.2	9.9	12.9	10.1	9.5	10.6	25.2	22.9	26.7	32.2	29.6	35.4	21.3	18.2	25.2	78.7	74.8	81.8
24	Region 17	11.9	8.9	13.3	10.3	9.4	11.1	24.9	23.1	27.0	31.5	29.3	35.3	21.4	19.1	23.3	78.6	76.7	80.9
26	Region 18	12.0	9.9	14.0	10.8	9.9	15.3	25.4	23.6	27.7	31.3	28.7	34.5	20.5	18.7	23.6	79.5	76.4	81.3
15	Region 19	12.2	10.3	13.9	10.5	9.9	11.2	25.1	23.3	26.5	30.9	28.9	34.8	21.3	18.8	24.3	78.7	75.7	81.2
16	Region 20	12.4	9.8	14.5	10.4	8.8	11.1	24.4	22.9	27.0	30.8	27.7	33.2	22.0	18.5	24.7	78.0	75.3	81.5
29	Region 21	11.9	9.8	13.6	10.3	9.8	11.0	25.0	21.6	27.1	31.1	28.5	33.9	21.6	17.8	27.3	78.4	72.7	82.2
47	Region 22	11.0	8.7	13.0	10.1	9.3	11.0	25.4	22.6	27.7	32.8	28.9	36.0	20.7	18.6	24.8	79.3	75.2	81.4
140	Region 23	10.9	9.0	13.3	10.0	9.1	11.7	25.5	22.5	29.1	32.8	28.9	35.7	20.9	17.7	25.0	79.1	75.0	82.3
70	Region 24	11.3	9.0	16.7	10.0	7.1	11.3	25.7	21.5	28.4	32.5	24.1	36.7	20.5	17.7	26.4	79.5	73.6	82.3
14	Region 25	14.2	11.7	18.9	10.6	9.6	12.1	23.7	20.1	26.1	28.6	21.5	33.0	22.9	19.0	29.8	77.1	70.2	81.0
19	Region 26	11.7	9.8	14.3	10.2	9.6	10.8	24.6	22.8	26.2	32.0	27.0	35.9	21.5	19.0	24.0	78.5	76.0	81.0
12	Region 27	11.7	9.0	14.0	10.1	9.0	10.9	25.4	23.4	26.9	31.6	29.1	34.6	21.2	19.4	24.0	78.8	76.0	80.6
20	Region 28	12.0	10.5	13.9	10.4	9.8	10.9	25.1	23.5	26.9	31.1	28.9	32.2	21.4	18.9	23.1	78.6	76.9	81.1
12	Region 29	12.6	11.0	14.1	10.5	10.0	10.9	24.6	22.8	26.0	30.7	26.4	33.4	21.5	18.7	24.4	78.5	75.6	81.3
3	Region 30	12.0	11.3	12.8	10.8	10.3	11.1	24.1	23.5	24.6	30.7	29.6	32.9	22.4	21.2	23.0	77.6	77.0	78.8
1	Region 31	10.8	10.8	10.8	9.9	9.9	9.9	25.9	25.9	25.9	33.4	33.4	33.4	20.0	20.0	20.0	80.0	80.0	80.0
5	Region 32	12.3	11.5	13.6	10.6	10.3	11.0	24.8	23.3	26.6	30.8	29.6	32.2	21.5	19.5	22.4	78.5	77.6	80.5
51	Region 34	12.2	9.1	15.6	10.4	9.8	11.8	24.9	23.1	28.2	31.0	26.8	34.9	21.5	18.6	23.5	78.5	76.5	81.4
7	Region 35	12.5	10.8	13.8	10.3	9.9	10.8	24.4	23.5	25.9	30.5	29.2	32.2	22.3	20.6	23.5	77.7	76.5	79.4
8	Region 36	12.4	9.8	13.8	10.5	9.7	11.3	24.8	23.9	25.7	30.2	28.3	33.0	22.2	20.1	23.9	77.8	76.1	79.9
599	Ave white	11.6			10.3			25.2			31.8			21.2			78.8		
	Min white	8.7			7.1			20.1			21.5			17.7			54.4		
	Max white	18.9			15.3			29.1			36.7			29.8			82.3		

TABLE 24: ROFF MILLING OF WHITE MAIZE (2003/2004)
(continue)

Number of samples	Region	Roff Milling																	
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Bran/Germ, %			Extraction, % (Total meal)		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: WM 1																			
3	Region 8	13.3	9.9	15.7	10.7	9.9	11.1	25.0	23.8	25.8	29.3	26.6	33.1	21.7	20.9	22.8	78.3	77.2	79.1
3	Region 10	11.7	10.2	12.8	10.2	9.8	10.4	25.9	25.1	26.3	31.2	28.9	33.3	21.0	19.8	21.7	79.0	78.3	80.2
8	Region 11	11.3	10.7	12.3	11.0	9.9	14.1	26.1	24.3	28.1	31.5	30.2	33.7	20.1	18.1	22.2	79.9	77.8	81.9
6	Region 12	10.9	9.4	12.1	10.2	9.7	10.7	24.8	23.3	26.3	32.9	31.1	34.8	21.3	19.4	24.2	74.7	54.4	80.6
4	Region 13	11.6	10.8	12.4	10.6	9.9	11.9	24.8	24.2	25.8	31.6	30.3	33.5	21.4	20.9	21.9	78.6	78.1	79.1
12	Region 14	11.6	10.2	13.6	10.3	9.8	10.9	25.0	23.7	26.5	31.7	29.3	34.4	21.4	19.6	23.6	78.6	76.4	80.4
6	Region 15	11.4	11.1	11.7	10.3	10.0	10.5	26.1	25.7	26.6	31.6	30.8	32.9	20.5	19.4	21.5	79.5	78.5	80.6
11	Region 16	11.3	9.9	12.9	10.1	9.5	10.6	25.1	22.9	26.7	32.2	29.6	35.4	21.4	18.2	25.2	78.6	21.5	37.5
13	Region 17	12.0	8.9	13.3	10.3	9.4	10.9	24.7	23.1	26.6	31.5	29.3	35.3	21.5	19.8	23.3	78.5	76.7	80.2
14	Region 18	11.9	10.9	12.6	10.6	10.0	11.7	25.5	23.7	27.7	31.8	29.4	33.3	20.1	18.7	22.3	79.9	77.7	81.3
8	Region 19	11.9	10.3	12.9	10.3	9.9	10.7	25.2	24.4	26.5	31.3	29.1	34.8	21.2	18.8	22.9	78.8	77.1	81.2
7	Region 20	12.1	11.4	13.0	10.4	9.8	10.8	24.7	22.9	26.0	31.6	31.1	32.1	21.3	19.3	24.2	78.7	75.8	80.7
21	Region 21	12.0	10.5	13.6	10.3	9.8	11.0	24.8	21.6	27.1	31.1	28.5	33.9	21.8	17.8	27.3	78.2	72.7	82.2
33	Region 22	10.9	8.7	12.9	10.0	9.3	11.0	25.5	23.3	27.3	33.3	29.2	36.0	20.4	18.6	21.9	79.6	78.1	81.4
97	Region 23	10.8	9.0	13.3	10.1	9.1	11.7	25.5	22.5	29.1	32.8	28.9	35.3	20.8	17.7	25.0	79.2	75.0	82.3
57	Region 24	11.1	9.0	14.0	10.0	7.1	10.9	25.8	22.5	28.4	32.8	30.2	36.7	20.4	17.7	24.0	79.6	76.0	82.3
10	Region 25	13.3	11.7	15.7	10.4	9.6	11.0	23.6	20.1	26.1	29.5	26.9	33.0	23.1	19.7	29.8	76.9	70.2	80.3
15	Region 26	12.0	9.9	14.3	10.3	9.6	10.8	24.8	22.8	26.2	31.5	27.0	35.9	21.4	19.0	24.0	78.6	76.0	81.0
10	Region 27	11.2	9.0	12.3	10.0	9.0	10.6	25.4	23.4	26.9	32.0	30.9	34.6	21.4	19.4	24.0	78.6	76.0	80.6
16	Region 28	12.0	10.5	13.9	10.4	9.8	10.9	25.2	23.5	26.9	31.1	28.9	32.2	21.3	18.9	23.1	78.7	76.9	81.1
7	Region 29	12.2	11.0	13.1	10.4	10.0	10.8	24.8	23.7	26.0	31.4	29.9	33.4	21.1	18.7	23.5	78.9	76.5	81.3
1	Region 30	11.3	11.3	11.3	10.3	10.3	10.3	24.2	24.2	24.2	32.9	32.9	32.9	21.2	21.2	21.2	78.8	78.8	78.8
4	Region 32	12.3	11.5	13.6	10.6	10.3	11.0	24.7	23.3	26.6	30.5	29.6	32.1	22.0	21.7	22.4	78.0	77.6	78.3
40	Region 34	12.1	9.1	13.9	10.4	9.8	10.9	24.8	23.3	27.3	31.2	28.9	34.9	21.5	18.9	23.5	78.5	76.5	81.1
7	Region 35	12.5	10.8	13.8	10.3	9.9	10.8	24.4	23.5	25.9	30.5	29.2	32.2	22.3	20.6	23.5	77.7	76.5	79.4
6	Region 36	12.0	9.8	13.2	10.4	9.7	11.3	24.8	23.9	25.7	30.6	28.7	33.0	22.2	20.1	23.9	77.8	76.1	79.9
419	Ave WM 1	11.5			10.2			25.2			32.0			21.1			78.9		
	Min WM 1		8.7			7.1			20.1			26.6			17.7			54.4	
	Max WM 1			15.7			14.1			29.1			36.7			29.8			82.3

TABLE 24: ROFF MILLING OF WHITE MAIZE (2003/2004)
(continue)

Number of samples	Region	Roﬀ Milling																	
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Bran/Germ, %			Extraction, % (Total meal)		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
	GRADE: WM 2																		
1	Region 11	12.2	12.2	12.2	10.1	10.1	10.1	24.8	24.8	24.8	31.0	31.0	31.0	21.8	21.8	21.8	78.2	78.2	78.2
7	Region 12	11.3	9.1	13.3	10.4	9.6	11.7	25.4	24.4	26.7	32.1	29.0	35.2	20.9	19.6	22.7	79.1	77.3	80.4
3	Region 13	12.0	11.3	12.6	10.4	10.3	10.5	24.6	23.7	25.8	32.1	31.0	33.3	20.9	19.3	22.9	79.1	77.1	80.7
7	Region 14	11.2	9.5	12.8	10.2	9.6	10.8	24.3	23.4	25.3	32.7	29.8	35.8	21.6	18.8	23.2	78.4	76.8	81.2
2	Region 15	11.6	11.6	11.6	11.0	10.4	11.7	25.8	24.4	27.2	31.0	30.6	31.5	20.5	20.2	20.8	79.5	79.2	79.8
1	Region 16	11.6	11.6	1.6	10.1	10.1	10.1	25.9	25.9	25.9	31.6	31.6	31.6	20.8	20.8	20.8	79.2	79.2	79.2
7	Region 17	11.9	11.2	13.3	10.4	10.0	11.1	25.2	23.6	27.0	31.6	29.7	33.0	20.9	19.1	22.3	79.1	77.7	80.9
11	Region 18	12.0	9.9	14.0	11.0	9.9	15.3	25.3	23.6	26.9	30.8	28.7	34.5	21.0	18.7	23.6	79.0	76.4	81.3
5	Region 19	12.1	11.2	12.9	10.5	10.3	10.8	25.0	23.3	25.8	30.8	28.9	32.9	21.6	19.8	24.3	78.4	75.7	80.2
5	Region 20	12.7	11.9	13.1	10.7	10.5	10.9	24.4	23.1	27.0	30.5	29.4	31.1	21.8	18.5	23.4	78.2	76.6	81.5
7	Region 21	11.7	9.8	13.6	10.3	9.9	10.7	25.6	24.2	26.1	31.3	29.7	33.7	21.1	19.9	23.8	78.9	76.2	80.1
10	Region 22	11.6	9.6	13.0	10.2	9.5	10.7	25.2	22.6	27.0	31.4	28.9	35.9	21.6	19.1	24.8	78.4	75.2	80.9
40	Region 23	10.9	9.2	12.5	10.0	9.3	10.9	25.4	22.7	27.2	32.6	29.9	35.7	21.1	18.8	24.0	78.9	76.0	81.2
12	Region 24	12.2	10.2	16.7	10.3	9.3	11.3	25.4	21.5	27.5	31.1	24.1	33.7	21.0	17.7	26.4	79.0	73.6	82.3
4	Region 25	16.3	12.6	18.9	11.2	10.5	12.1	23.7	21.4	26.0	26.3	21.5	31.9	22.5	19.0	26.1	77.5	73.9	81.0
4	Region 26	10.6	9.8	11.7	9.9	9.6	10.3	23.8	23.2	24.9	33.8	31.7	35.8	21.8	20.9	22.5	78.2	77.5	79.1
1	Region 27	13.7	13.7	13.7	10.7	10.7	10.7	26.4	26.4	26.4	29.1	29.1	29.1	20.2	20.2	20.2	79.8	79.8	79.8
4	Region 28	11.7	11.3	12.3	10.2	10.1	10.3	24.9	23.9	25.5	31.4	30.4	32.0	21.8	21.1	23.1	78.2	76.9	78.9
2	Region 29	13.8	13.6	14.1	10.6	10.5	10.8	23.4	22.8	23.9	29.4	28.4	30.3	22.8	21.7	23.9	77.2	76.1	78.3
1	Region 30	11.8	11.8	11.8	10.9	10.9	10.9	24.6	24.6	24.6	29.8	29.8	29.8	22.9	22.9	22.9	77.1	77.1	80.0
1	Region 31	10.8	10.8	10.8	9.9	9.9	9.9	25.9	25.9	25.9	33.4	33.4	33.4	20.0	20.0	20.0	80.0	80.0	80.0
1	Region 32	12.5	12.5	12.5	10.6	10.6	10.6	25.1	25.1	25.1	32.2	32.2	32.2	19.5	19.5	19.5	80.5	80.5	80.5
10	Region 34	12.8	10.5	15.6	10.5	10.0	11.8	25.2	23.1	28.2	30.2	26.8	33.1	21.4	18.6	23.3	78.6	76.7	81.4
2	Region 36	13.6	13.5	13.8	10.6	10.4	10.8	24.9	24.6	25.1	28.8	28.3	29.3	22.1	21.6	22.5	77.9	77.5	78.4
148	Ave WM 2	11.8			10.3			25.1			31.5			21.3			78.7		
	Min WM 2		9.1			9.3			21.4			21.5		17.7				73.6	
	Max WM 2			18.9			15.3			28.2			35.9			26.4			82.3

TABLE 24: ROFF MILLING OF WHITE MAIZE (2003/2004)
(continue)

Number of samples	Region	Roff Milling																	
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Bran/Germ, %			Extraction, % (Total meal)		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: WM 3																			
1	Region 13	14.0	14.0	14.0	10.7	10.7	10.7	24.6	24.6	24.6	28.0	28.0	28.0	22.7	22.7	22.7	77.3	77.3	77.3
2	Region 14	12.2	12.1	12.2	10.4	10.2	10.6	25.3	24.9	25.7	30.5	30.4	30.6	21.6	21.6	21.6	78.4	78.4	78.4
1	Region 15	10.1	10.1	10.1	9.5	9.5	9.5	23.4	23.4	23.4	32.1	32.1	32.1	24.7	24.7	24.7	75.3	75.3	75.3
1	Region 16	10.3	10.3	10.3	10.0	10.0	10.0	26.5	26.5	26.5	32.6	32.6	32.6	20.6	20.6	20.6	79.4	79.4	79.4
3	Region 17	11.5	10.7	12.7	10.0	9.9	10.2	24.6	23.5	25.6	31.4	30.3	32.3	22.4	22.1	22.9	77.6	77.1	77.9
1	Region 18	12.9	12.9	12.9	11.8	11.8	11.8	25.1	25.1	25.1	30.7	30.7	30.7	19.6	19.6	19.6	80.4	80.4	80.4
2	Region 19	13.7	13.5	13.9	11.0	10.8	11.2	25.1	24.8	25.4	29.5	29.1	29.9	20.7	20.5	20.8	79.3	79.2	79.5
3	Region 20	11.9	9.8	13.1	9.9	8.8	10.7	23.6	23.5	24.0	30.7	29.2	33.2	23.8	23.3	24.7	76.2	75.3	76.7
1	Region 21	11.8	11.8	11.8	10.1	10.1	10.1	25.3	25.3	25.3	31.2	31.2	31.2	21.5	21.5	21.5	78.5	78.5	78.5
4	Region 22	11.1	10.1	12.7	10.1	9.8	10.3	25.8	23.2	27.7	31.6	30.4	32.8	21.5	19.0	24.2	78.5	75.8	81.0
2	Region 23	10.9	10.8	11.1	10.2	10.2	10.3	25.8	24.7	27.0	32.3	32.0	32.5	20.7	19.6	21.8	79.3	78.2	80.4
1	Region 24	11.0	11.0	11.0	10.2	10.2	10.2	26.5	26.5	26.5	33.4	33.4	33.4	19.0	19.0	19.0	81.0	81.0	81.0
1	Region 27	14.0	14.0	14.0	10.9	10.9	10.9	24.4	24.4	24.4	30.3	30.3	30.3	20.4	20.4	20.4	79.6	79.6	79.6
3	Region 29	12.8	11.6	14.0	10.8	10.4	10.9	25.0	24.2	25.9	29.8	26.4	32.1	21.6	20.0	24.4	78.4	75.6	80.0
1	Region 30	12.8	12.8	12.8	11.1	11.1	11.1	23.5	23.5	23.5	29.6	29.6	29.6	23.0	23.0	23.0	77.0	77.0	77.0
1	Region 34	13.1	13.1	13.1	10.4	10.4	10.4	24.3	24.3	24.3	30.4	30.4	30.4	21.8	21.8	21.8	78.2	78.2	78.2
28	Ave WM 3	12.0			10.4			25.0			30.9			21.7			78.3		
	Min WM 3		9.8			8.8			23.2			26.4		19.0				75.3	
	Max WM 3			14.0			11.8			27.7			33.4			24.7			81.0
GRADE: COM																			
1	Region 12	13.8	13.8	13.8	10.9	10.9	10.9	23.0	23.0	23.0	27.8	27.8	27.8	24.4	24.4	24.4	75.6	75.6	75.6
1	Region 17	11.3	11.3	11.3	10.4	10.4	10.4	26.6	26.6	26.6	31.8	31.8	31.8	20.0	20.0	20.0	80.0	80.0	80.0
1	Region 20	14.5	14.5	14.5	11.1	11.1	11.1	24.0	24.0	24.0	27.7	27.7	27.7	22.7	22.7	22.7	77.3	77.3	77.3
1	Region 23	12.0	12.0	12.0	9.6	9.6	9.6	22.8	22.8	22.8	31.6	31.6	31.6	24.0	24.0	24.0	76.0	76.0	76.0
4	Ave COM	12.9			10.5			24.1			29.7			22.8			77.2		
	Min COM		11.3			9.6			22.8			27.7		20.0				75.6	
	Max COM			14.5			11.1			26.6			31.8			24.4			80.0
	Ave white maize	11.6			10.3			25.2			31.8			21.2			78.8		
	Min white maize		8.7			7.1			20.1			21.5		17.7				54.4	
	Max white maize			18.9			15.3			29.1			36.7			29.8			82.3