

TABLE 19: ROFF MILLING AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2023/24)																									
Number of samples	Region	Roff Milling												Whiteness Index											
		Break 1, %		Break 2, %		Break 3, %		Grits, %		Chop, %		Extraction, % (Total meal)		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: WM1																									
7	Region 12	12.1	10.1	13.8	7.0	5.9	8.0	9.5	7.6	11.7	48.0	45.2	53.3	23.3	22.4	25.4	76.7	74.6	77.6	37.1	32.7	41.8	34.3	30.5	38.6
5	Region 13	13.1	9.9	16.5	7.4	6.5	8.2	10.0	8.8	11.5	43.9	35.7	51.0	25.7	23.6	31.4	74.3	68.6	76.4	40.2	37.1	45.3	39.0	35.5	45.8
9	Region 14	13.4	10.5	15.0	7.4	6.3	8.6	9.0	6.0	12.1	46.1	42.6	52.8	24.0	22.6	27.1	76.0	72.9	77.4	42.6	36.7	45.5	40.8	36.5	44.0
1	Region 15	13.9	-	-	8.0	-	-	9.8	-	-	45.2	-	-	23.1	-	-	76.9	-	-	40.8	-	-	35.9	-	-
1	Region 16	11.3	-	-	6.9	-	-	11.1	-	-	45.8	-	-	24.9	-	-	75.1	-	-	37.5	-	-	32.7	-	-
10	Region 17	13.8	10.8	16.0	7.7	6.8	8.1	11.2	8.4	12.2	43.3	39.9	47.2	24.0	21.8	26.9	76.0	73.1	78.2	40.8	33.3	45.6	38.2	31.3	44.7
6	Region 18	13.8	11.3	15.2	8.3	6.9	9.5	9.6	8.9	10.3	45.0	40.4	48.3	23.4	21.0	25.9	76.6	74.1	79.0	41.8	40.2	43.5	41.2	40.1	42.1
4	Region 19	11.3	7.8	13.9	6.3	5.5	7.5	7.9	7.1	8.5	50.0	45.7	54.7	24.5	24.0	25.2	75.5	74.8	76.0	38.3	33.0	41.9	36.1	31.3	38.9
14	Region 20	13.8	12.8	14.4	7.1	6.3	7.8	8.8	6.5	10.7	45.2	43.0	47.0	25.1	23.7	27.2	74.9	72.8	76.3	44.0	41.0	47.1	42.0	37.7	47.3
2	Region 22	15.6	15.1	16.0	8.1	7.8	8.4	8.4	7.1	9.6	42.9	42.7	43.1	25.1	22.9	27.3	74.9	72.7	77.1	44.5	42.7	46.3	43.3	40.5	46.2
7	Region 23	15.6	15.1	16.1	7.5	7.3	7.7	11.3	10.7	12.0	44.1	42.7	44.8	21.6	21.1	22.2	78.4	77.8	78.9	38.9	38.2	39.5	36.3	34.4	37.5
10	Region 24	14.6	13.5	15.8	7.1	6.2	7.9	10.1	9.0	10.7	44.1	42.8	47.2	24.1	21.4	26.5	75.9	73.5	78.6	40.7	36.6	44.3	38.5	34.6	41.4
1	Region 25	15.3	-	-	7.5	-	-	11.4	-	-	43.6	-	-	22.3	-	-	77.7	-	-	38.7	-	-	37.5	-	-
7	Region 26	14.7	11.3	17.3	7.8	7.0	8.7	12.1	11.2	13.4	41.0	36.2	46.1	24.5	23.1	25.8	75.5	74.2	76.9	39.9	36.2	45.2	37.4	32.0	42.6
4	Region 28	13.8	13.1	15.0	7.3	6.9	7.7	12.6	12.0	13.4	44.3	42.1	45.7	22.0	21.0	23.0	78.0	77.0	79.0	39.6	36.8	41.3	38.4	35.8	40.5
13	Region 29	14.4	11.7	16.6	7.8	7.1	8.5	10.1	9.2	11.2	42.9	38.4	47.4	24.8	22.9	26.6	75.2	73.4	77.1	41.8	37.8	45.0	40.1	37.2	43.6
20	Region 30	14.2	12.7	17.4	7.7	7.1	8.6	10.1	7.7	12.7	43.6	39.4	47.8	24.4	19.5	27.0	75.6	73.0	80.5	39.3	34.2	44.1	37.1	30.4	43.9
1	Region 31	14.1	-	-	7.5	-	-	10.1	-	-	41.2	-	-	27.1	-	-	72.9	-	-	42.8	-	-	41.9	-	-
1	Region 32	16.5	-	-	7.9	-	-	11.8	-	-	39.3	-	-	24.6	-	-	75.4	-	-	37.2	-	-	35.7	-	-
38	Region 33	14.0	11.5	17.0	7.6	6.5	8.8	8.9	7.2	12.2	44.9	40.3	48.0	24.6	21.8	26.8	75.4	73.2	78.2	40.6	35.0	45.3	38.6	29.5	43.6
17	Region 34	14.6	10.5	19.4	7.7	6.8	8.6	10.0	8.0	11.7	43.2	37.9	47.2	24.6	22.3	26.8	75.4	73.2	77.7	41.3	38.0	46.8	38.9	33.4	46.8
5	Region 35	15.1	12.0	18.4	7.8	7.0	8.9	9.1	7.2	11.3	43.7	38.8	49.3	24.4	23.6	25.4	75.6	74.6	76.4	36.3	31.4	40.1	34.5	31.0	37.5
13	Region 36	13.9	10.9	15.7	7.1	6.5	7.9	9.8	8.4	11.0	44.9	40.5	48.1	24.3	22.8	26.1	75.7	73.9	77.2	38.6	34.6	41.4	37.1	32.8	40.5
196	Ave. WM1	14.1	7.8	19.4	7.5	5.5	9.5	9.8	6.0	13.4	44.4	35.7	54.7	24.3	19.5	31.4	75.7	68.6	80.5	40.5	31.4	47.1	38.4	29.5	47.3
	Min. WM1																								
	Max. WM1																								

TABLE 19: ROFF MILLING AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2023/24)
(continue)

Number of samples	Region	Roff Milling																Whiteness index															
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Chop, %			Extraction, % (Total meal)			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.	ave.	min.	max.	ave.	min.	max.								
GRADE: WM2																																	
4	Region 12	13.4	11.3	16.1	7.7	7.4	8.0	9.5	8.2	11.4	45.8	42.2	48.7	23.5	22.0	25.7	76.5	74.3	78.0	39.3	34.3	44.9	36.4	30.8	44.5								
3	Region 13	12.5	8.4	14.8	6.6	5.2	7.5	9.5	7.5	11.8	40.7	33.9	49.4	30.7	26.0	38.6	69.3	61.4	74.0	41.0	38.0	42.8	39.5	36.3	41.4								
1	Region 14	13.6	-	-	8.2	-	-	9.2	-	-	44.2	-	-	24.7	-	-	75.3	-	-	44.5	-	-	41.1	-	-								
1	Region 17	9.6	-	-	6.9	-	-	7.8	-	-	50.7	-	-	25.0	-	-	75.0	-	-	34.5	-	-	31.3	-	-								
1	Region 18	16.8	-	-	7.4	-	-	9.3	-	-	39.9	-	-	26.6	-	-	73.4	-	-	41.8	-	-	41.0	-	-								
2	Region 19	8.1	8.0	8.2	6.4	6.4	6.5	7.6	7.5	7.7	55.2	54.6	55.8	22.6	21.8	23.5	77.4	76.5	78.2	30.9	30.0	31.8	28.8	27.8	29.9								
1	Region 21	13.4	-	-	7.2	-	-	11.6	-	-	43.0	-	-	24.9	-	-	75.1	-	-	41.7	-	-	40.1	-	-								
1	Region 24	10.0	-	-	6.0	-	-	9.8	-	-	50.6	-	-	23.6	-	-	76.4	-	-	35.7	-	-	34.9	-	-								
4	Region 29	16.2	15.2	17.4	8.2	8.0	8.5	9.4	8.2	11.8	41.9	37.5	45.2	24.2	22.7	26.6	75.8	73.4	77.3	44.0	42.2	47.1	42.5	40.9	45.0								
3	Region 30	14.4	12.3	16.6	7.7	7.5	8.0	10.6	9.5	11.3	41.9	38.7	45.6	25.4	24.9	25.8	74.6	74.2	75.1	39.3	37.7	42.5	38.0	34.0	42.7								
1	Region 31	11.3	-	-	7.1	-	-	9.7	-	-	46.6	-	-	25.3	-	-	74.7	-	-	37.0	-	-	35.0	-	-								
2	Region 32	13.5	13.2	13.9	7.7	7.4	8.0	11.9	11.7	12.1	41.5	41.3	41.8	25.4	25.0	25.8	74.6	74.2	75.0	38.8	36.9	40.8	35.8	34.3	37.2								
1	Region 34	13.9	-	-	7.6	-	-	9.6	-	-	44.5	-	-	24.4	-	-	75.6	-	-	42.5	-	-	39.5	-	-								
25	Ave. WM2	13.2			7.4			9.7	7.5		44.5	33.9	55.8	25.2	21.8	38.6	74.8	61.4	78.2	39.7	30.0	47.1	37.6	27.8	45.0								
	Min. WM2	8.0			5.2			7.5			33.9			21.8			61.4			30.0			27.8										
	Max. WM2	17.4			8.5			12.1			55.8			38.6			78.2			47.1			45.0										
GRADE: WM3																																	
2	Region 12	11.0	9.8	12.2	8.3	7.7	9.0	11.3	11.1	11.4	46.2	45.2	47.2	23.2	22.9	23.5	76.8	76.5	77.1	36.8	35.4	38.1	35.5	32.0	39.0								
1	Region 14	15.0	-	-	7.5	-	-	10.2	-	-	44.2	-	-	23.1	-	-	76.9	-	-	41.2	-	-	41.3	-	-								
1	Region 20	14.6	-	-	7.6	-	-	8.1	-	-	41.6	-	-	28.1	-	-	71.9	-	-	37.1	-	-	36.1	-	-								
2	Region 22	17.1	16.3	18.0	7.9	7.2	8.6	9.1	8.8	9.3	40.8	39.7	42.0	25.1	24.0	26.1	74.9	73.9	76.0	45.2	42.9	47.5	42.4	39.8	44.9								
2	Region 30	14.5	13.7	15.2	7.4	7.1	7.7	9.1	7.1	11.1	43.1	43.0	43.2	25.9	24.9	27.0	74.1	73.0	75.1	41.6	39.2	43.9	39.9	36.2	43.5								
1	Region 36	13.4	-	-	7.0	-	-	11.0	-	-	45.2	-	-	23.4	-	-	76.6	-	-	36.0	-	-	34.2	-	-								
9	Ave. WM3	14.2			7.7			9.8	7.1		43.5	39.7	47.2	24.8	22.9	28.1	75.2	71.9	77.1	40.2	35.4	47.5	38.6	32.0	44.9								
	Min. WM3	9.8			7.0			7.1			39.7			22.9			71.9			35.4			32.0										
	Max. WM3	18.0			9.0			11.4			47.2			28.1			77.1			47.5			44.9										

TABLE 19: ROFF MILLING AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2023/24) (continue)																									
Number of samples	Region	RoFF Milling															Whiteness index								
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Chop, %			Extraction, % (Total meal)			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.	ave.	min.	max.	ave.	min.	max.
GRADE: COM																									
3	Region 12	13.7	12.0	16.1	7.3	6.8	7.7	8.9	8.0	9.5	44.7	43.1	46.4	25.4	24.5	26.2	74.6	73.8	75.5	41.6	41.1	42.3	40.6	40.2	40.9
4	Region 14	11.8	10.5	14.3	7.4	7.0	8.5	10.2	8.5	12.0	45.8	42.7	49.5	24.8	22.7	27.8	75.2	72.2	77.3	41.6	38.2	44.2	39.6	36.7	43.3
2	Region 17	13.6	10.8	16.4	8.1	7.4	8.8	10.3	8.6	12.1	44.9	42.3	47.5	23.0	22.2	23.8	77.0	76.2	77.8	41.2	41.1	41.3	38.6	38.4	38.9
2	Region 18	14.9	13.2	16.6	7.1	6.8	7.3	9.7	9.2	10.2	41.3	39.9	42.8	27.0	26.1	28.0	73.0	72.0	73.9	39.6	34.9	44.4	39.4	34.7	44.0
2	Region 20	14.0	13.9	14.1	7.9	6.4	9.4	9.1	8.4	9.9	45.3	43.9	46.7	23.7	22.9	24.5	76.3	75.5	77.1	36.0	28.5	43.5	35.1	28.3	41.8
1	Region 21	13.7	-	-	7.2	-	-	11.1	-	-	43.4	-	-	24.6	-	-	75.4	-	-	41.3	-	-	41.0	-	-
2	Region 22	15.7	15.4	15.9	7.9	7.7	8.2	8.0	7.4	8.5	42.2	41.5	42.9	26.2	26.0	26.4	73.8	73.6	74.0	45.3	44.9	45.8	43.3	41.2	45.4
3	Region 24	13.9	11.3	15.4	6.6	6.3	7.1	8.7	7.7	9.8	45.6	42.4	49.6	25.3	23.7	28.1	74.7	71.9	76.3	40.7	38.3	42.8	39.1	35.6	41.5
1	Region 29	15.4	-	-	7.9	-	-	8.9	-	-	45.0	-	-	22.7	-	-	77.3	-	-	42.7	-	-	39.4	-	-
5	Region 30	14.5	12.4	17.8	7.6	7.3	7.9	9.9	9.5	10.5	42.4	37.9	45.2	25.6	24.6	26.6	74.4	73.4	75.4	37.6	25.6	41.3	35.3	20.7	39.2
3	Region 33	13.9	11.7	15.9	7.7	7.1	8.2	9.3	8.5	10.4	44.2	41.3	47.0	24.9	23.2	25.8	75.1	74.2	76.8	40.5	38.6	42.9	38.8	34.1	42.0
1	Region 34	11.1	-	-	7.5	-	-	10.4	-	-	47.9	-	-	23.1	-	-	76.9	-	-	38.1	-	-	34.6	-	-
1	Region 36	13.3	-	-	7.1	-	-	8.8	-	-	47.7	-	-	23.1	-	-	76.9	-	-	37.4	-	-	35.6	-	-
30	Ave. COM	13.8	10.5	17.8	7.5	6.3	9.4	9.5	7.4	12.1	44.3	37.9	49.6	24.9	22.2	28.1	75.1	71.9	77.8	40.2	25.6	45.8	38.4	20.7	45.4
	Min.COM																								
	Max. COM																								
260	Ave. WM	14.0	7.8	19.4	7.5	5.2	9.5	9.8	6.0	13.4	44.3	33.9	55.8	24.5	19.5	38.6	75.5	61.4	80.5	40.4	25.6	47.5	38.4	20.7	47.3
	Min. WM																								
	Max. WM																								