TABLE 21: BÜHLER MCKA MILLING AND WHITENESS INDEX

Number of samples	Region	MCKA																					
		DEGERMER OVERS, %			DEGERMER THRUS, %			B1,%			B2,%			B3,%			C1,%			C2,%			C3,%		
		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: WM1																									
7	Region 12	13.8	7.6	17.0	88.8	83.1	97.6	13.2	11.8	14.7	8.5	7.1	9.3	2.3	2.1	2.6	43.7	39.8	51.2	1.2	0.7	1.7	0.5	0.3	0.6
5	Region 13	17.4	10.4	25.6	85.2	79.4	89.8	13.1	11.5	14.4	8.5	7.5	9.9	2.5	1.9	3.2	41.6	36.1	44.1	1.0	0.6	1.2	0.4	0.3	0.5
13	Region 14	16.5	13.6	20.7	86.6	81.5	90.9	13.3	11.9	14.4	8.7	8.1	9.2	2.0	1.8	2.3	41.1	39.2	43.8	1.1	0.6	2.0	0.4	0.2	0.8
10	Region 15	18.3	16.0	19.8	84.9	81.7	88.2	14.9	13.0	16.6	9.9	7.7	13.8	2.2	1.7	3.1	37.5	34.0	40.8	0.8	0.5	1.2	0.3	0.2	0.5
9	Region 16	18.2	14.0	23.8	85.6	80.4	93.3	13.8	11.4	15.7	9.5	7.8	13.8	2.0	1.7	2.8	39.0	32.2	44.7	0.8	0.5	1.2	0.3	0.1	0.5
20	Region 17	18.0	12.3	25.3	84.8	78.0	89.2	13.4	11.8	14.9	8.3	7.5	8.9	2.0	1.6	3.4	41.0	35.1	47.5	0.9	0.1	2.0	0.4	0.1	0.5
21	Region 18	18.9	13.2	25.4	84.3	78.1	88.8	13.7	11.9	15.4	8.5	7.3	12.4	1.9	1.5	2.6	38.8	35.0	41.2	0.9	0.6	1.3	0.4	0.2	0.6
15	Region 19	16.4	6.1	21.0	86.0	78.9	99.6	13.5	11.7	16.1	9.5	7.7	11.9	2.3	1.7	3.5	39.7	36.6	47.8	0.9	0.5	1.4	0.4	0.2	0.6
17	Region 20	18.3	14.1	22.7	85.4	81.8	90.3	13.6	12.4	14.7	8.8	7.9	10.8	2.1	1.8	3.0	39.6	35.5	41.8	0.9	0.4	1.3	0.4	0.2	0.6
17	Region 21	18.9	13.6	23.5	84.9	81.5	90.4	14.8	12.5	16.9	9.8	7.2	14.6	2.1	1.5	5.2	37.1	33.4	40.3	0.8	0.5	1.1	0.3	0.1	0.5
23	Region 22	20.3	16.3	26.3	83.1	77.2	87.5	14.8	11.8	17.4	9.5	7.2	12.6	2.1	1.5	2.7	37.3	31.4	40.7	0.8	0.4	1.4	0.3	0.1	0.6
34	Region 23	20.1	16.7	23.8	83.1	78.5	87.3	14.1	11.9	17.1	8.4	7.4	12.3	1.9	1.6	2.6	38.3	33.3	40.3	0.9	0.5	1.5	0.4	0.1	0.8
23	Region 24	19.0	10.5	24.2	83.3	78.4	92.2	13.6	12.1	15.4	8.9	6.9	12.7	2.0	1.4	2.7	38.6	33.8	42.1	0.9	0.6	1.4	0.5	0.2	0.8
1	Region 25	22.2	-	-	79.2	-	-	12.6	-	-	8.4	-	-	1.8	-	-	37.3	-	-	1.0	-	-	0.6	-	-
7	Region 26	17.6	10.9	25.2	85.2	80.7	89.9	13.0	12.1	13.9	8.3	7.1	9.1	2.3	1.7	3.0	40.7	36.3	45.6	1.1	0.5	1.7	0.5	0.3	0.7
11	Region 28	15.9	11.4	21.3	87.5	81.9	93.4	14.5	12.4	16.9	10.8	7.1	14.4	2.4	1.6	3.1	38.8	35.1	42.4	0.8	0.5	1.2	0.3	0.1	0.6
25	Region 29	18.6	11.4	25.2	84.5	76.8	92.8	13.8	10.9	17.2	8.9	6.9	14.4	2.1	1.4	3.3	38.6	35.0	43.7	1.0	0.4	2.2	0.4	0.1	0.9
28	Region 30	22.3	18.9	26.3	80.2	74.8	85.3	12.2	10.0	14.5	7.8	6.9	8.6	2.0	1.6	3.0	38.0	35.1	41.6	0.9	0.4	1.6	0.4	0.1	0.8
9	Region 31	17.3	14.6	21.0	85.1	80.2	88.7	13.0	11.3	14.3	8.2	7.1	8.8	2.0	1.8	2.2	39.1	37.0	40.7	0.9	0.8	1.2	0.4	0.3	0.5
12	Region 32	20.6	16.8	24.2	83.1	79.4	86.0	13.0	11.2	14.7	8.2	6.7	9.6	1.9	1.5	3.0	38.4	35.5	41.4	0.8	0.6	1.0	0.4	0.2	0.5
48	Region 33	21.8	13.9	26.5	81.2	76.6	100.8	12.2	10.2	13.7	7.9	6.8	9.1	1.9	1.4	2.5	38.4	35.2	43.0	1.0	0.3	2.0	0.4	0.2	1.0
31	Region 34	20.5	13.5	26.6	82.5	73.6	88.7	13.4	10.4	16.2	7.9	6.7	10.2	1.9	1.4	2.8	38.3	34.5	42.8	1.0	0.6	2.1	0.4	0.2	0.8
8	Region 35	22.2	18.8	28.6	81.6	73.8	85.5	13.7	11.4	19.2	8.9	7.2	12.6	2.0	1.5	2.7	36.3	32.1	40.6	0.8	0.4	1.2	0.3	0.1	0.5
14	Region 36	22.8	17.6	25.8	79.6	75.3	86.8	11.8	9.8	18.6	8.4	7.4	11.7	1.9	1.5	2.4	38.5	35.3	41.7	0.9	0.6	1.5	0.4	0.2	0.8
408	**Ave. WM1**	**19.5**			**83.5**			**13.4**			**8.6**			**2.0**			**38.8**			**0.9**			**0.4**		
	Min. WM1		**6.1**			**73.6**			**9.8**			**6.7**			**1.4**			**31.4**			**0.1**			**0.1**	
	Max. WM1			**28.6**			**100.8**			**19.2**			**14.6**			**5.2**			**51.2**			**2.2**			**1.0**
GRADE: WM2																									
4	Region 12	17.0	11.7	25.2	86.6	79.3	91.0	14.0	12.7	15.1	8.4	8.0	9.2	2.0	1.8	2.1	42.2	37.5	45.5	0.8	0.7	1.2	0.2	0.2	0.3
3	Region 13	14.7	9.9	18.5	90.3	88.9	93.2	12.6	12.2	13.5	8.7	8.3	9.4	2.3	2.0	2.6	43.7	42.0	44.7	0.8	0.5	0.9	0.2	0.1	0.4
2	Region 14	16.5	15.6	17.4	85.1	84.6	85.6	14.0	13.9	14.1	8.9	8.4	9.3	2.1	1.9	2.2	40.5	39.6	41.3	1.3	1.2	1.4	0.4	0.4	0.5
1	Region 15	18.0	-	-	87.2	-	-	15.9	-	-	12.6	-	-	2.4	-	-	35.7	-	-	0.5	-	-	0.1	-	-
3	Region 17	14.8	12.0	17.6	88.4	83.2	91.9	12.2	10.0	14.2	8.5	7.4	9.6	2.1	2.0	2.1	43.1	39.3	45.9	0.8	0.6	1.0	0.4	0.4	0.4
1	Region 18	27.5	-	-	75.7	-	-	13.2	-	-	7.9	-	-	1.7	-	-	33.5	-	-	0.6	-	-	0.3	-	-
7	Region 19	12.8	7.2	20.9	89.1	82.3	95.5	12.9	11.3	14.5	10.3	8.0	11.9	2.7	1.8	3.8	40.9	35.9	46.4	1.2	0.7	1.7	0.4	0.2	0.5
4	Region 21	18.8	15.9	26.7	84.5	78.1	87.7	14.6	12.8	15.7	9.0	8.2	11.1	2.1	1.7	2.5	38.4	31.7	41.4	0.9	0.6	1.2	0.4	0.2	0.6
1	Region 22	19.9	-	-	83.6	-	-	18.1	-	-	11.5	-	-	2.6	-	-	34.0	-	-	0.5	-	-	0.1	-	-
2	Region 24	17.8	10.8	24.8	85.4	79.2	91.5	13.2	12.3	14.2	10.8	9.7	12.0	2.2	1.9	2.4	38.1	31.8	44.5	0.7	0.5	0.8	0.2	0.2	0.3
6	Region 29	21.7	20.2	24.0	81.6	77.1	84.4	14.1	12.9	16.0	7.9	7.1	8.7	1.9	1.5	2.1	37.0	35.2	38.8	1.1	0.8	1.5	0.4	0.2	0.6
3	Region 30	23.2	20.9	26.0	82.7	79.3	84.9	12.2	8.6	17.2	7.7	7.0	8.2	1.9	1.5	2.1	37.6	32.4	41.5	0.8	0.6	0.9	0.5	0.3	1.0
1	Region 31	14.4	-	-	88.7	-	-	11.8	-	-	8.4	-	-	2.3	-	-	40.5	-	-	1.7	-	-	0.6	-	-
3	Region 32	18.4	16.9	20.3	82.7	81.4	83.8	12.3	10.5	14.0	8.3	7.1	10.7	1.9	1.7	2.2	40.5	38.7	41.7	0.6	0.4	0.8	0.2	0.1	0.4
1	Region 34	22.1	-	-	79.9	-	-	12.2	-	-	8.1	-	-	2.0	-	-	37.3	-	-	1.2	-	-	0.5	-	-
1	Region 35	19.8	-	-	82.1	-	-	13.9	-	-	6.8	-	-	1.8	-	-	38.4	-	-	0.8	-	-	0.4	-	-
43	**Ave. WM2**	**17.8**			**85.3**			**13.4**			**8.9**			**2.1**			**39.6**			**0.9**			**0.3**		
	Min. WM2		**7.2**			**75.7**			**8.6**			**6.8**			**1.5**			**31.7**			**0.4**			**0.1**	
	Max. WM2			**27.5**			**95.5**			**18.1**			**12.6**			**3.8**			**46.4**			**1.7**			**1.0**

OF WHITE MAIZE ACCORDING TO GRADE (2023/24)

Milling																					Whiteness Index					
G1, %			G2, %			G3, %			Fraction B1 - B3, %			Fraction C1 - C3, %			Grits (Fraction G3), %			Germ/Bran (Degermer overs + G1 + G2), %			TOTAL of all meal fractions, %			Unsifted			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.	ave.	min.	max.	ave.	min.	max.
0.3	0.0	1.4	1.7	1.3	2.5	14.8	12.6	17.0	24.1	21.3	25.9	45.3	41.0	52.4	14.8	12.6	17.0	15.8	9.4	19.2	84.2	80.8	90.6	12.6	4.7	19.8	10.3	2.0	18.5
0.1	0.0	0.2	2.1	1.4	2.9	13.4	11.1	17.0	24.1	21.9	26.2	43.0	37.2	45.8	13.4	11.1	17.0	19.5	12.2	28.7	80.5	71.3	87.8	17.3	10.7	26.5	14.6	9.7	22.0
0.1	0.0	0.1	2.0	1.7	2.5	14.7	12.5	16.7	24.1	22.7	25.4	42.7	40.1	44.9	14.7	12.5	16.7	18.6	15.4	23.2	81.4	76.8	84.6	19.6	12.2	26.9	18.1	11.2	23.3
0.0	0.0	0.1	1.8	0.8	2.5	14.3	13.2	15.6	27.0	24.1	31.9	38.6	34.7	42.4	14.3	13.2	15.6	20.0	16.9	21.7	80.0	78.3	83.1	18.3	7.4	21.9	17.7	4.0	23.0
0.1	0.0	0.1	1.9	0.9	2.4	14.4	12.4	17.2	25.3	21.2	32.2	40.2	32.8	45.4	14.4	12.4	17.2	20.1	16.3	25.8	79.9	74.2	83.7	19.6	12.3	26.8	19.6	11.5	28.0
0.1	0.0	0.1	2.1	1.5	2.7	13.7	10.6	19.0	23.7	22.2	25.8	42.3	36.2	49.7	13.7	10.6	19.0	20.2	14.4	27.9	79.8	72.1	85.6	18.8	11.3	25.9	16.7	9.3	24.3
0.1	0.0	0.2	2.2	0.8	3.1	14.5	12.1	17.2	24.1	21.7	28.5	40.2	35.9	42.9	14.5	12.1	17.2	21.2	15.8	28.6	78.8	71.4	84.2	18.5	9.1	26.1	17.1	7.8	23.5
0.1	0.0	0.3	1.9	1.1	2.8	15.3	12.6	20.5	25.3	22.8	29.0	41.0	37.7	49.0	15.3	12.6	20.5	18.4	7.5	23.8	81.6	76.2	92.5	14.2	-1.9	24.6	12.2	-2.7	21.0
0.1	0.0	0.3	2.5	1.8	3.0	13.7	12.4	15.8	24.5	22.5	27.2	40.9	36.7	43.5	13.7	12.4	15.8	20.9	15.9	24.7	79.1	75.3	84.1	20.5	10.1	24.6	17.8	6.1	21.5
0.1	0.0	0.2	1.8	0.8	2.9	14.4	11.7	17.4	26.7	22.7	33.8	38.2	34.4	41.4	14.4	11.7	17.4	20.8	14.8	26.5	79.2	73.5	85.2	17.9	11.8	24.7	17.1	10.2	24.8
0.1	0.0	0.2	1.9	0.8	3.3	13.0	7.5	16.5	26.3	20.7	32.1	38.4	32.0	42.0	13.0	7.5	16.5	22.2	18.5	29.8	77.8	70.2	81.5	21.8	18.2	29.2	21.3	16.1	27.7
0.1	0.0	0.3	2.2	0.8	2.9	13.7	11.7	15.9	24.4	21.4	31.8	39.5	34.0	41.7	13.7	11.7	15.9	22.4	17.6	26.1	77.6	73.9	82.4	22.5	16.6	27.8	20.7	15.0	24.1
0.1	0.0	0.1	2.3	1.6	2.8	14.1	11.7	19.5	24.6	22.6	29.1	40.0	34.6	43.6	14.1	11.7	19.5	21.4	12.8	26.5	78.6	73.5	87.2	20.2	8.3	26.3	17.8	5.8	23.5
0.1	-	-	2.9	-	-	13.1	-	-	22.8	-	-	38.9	-	-	13.1	-	-	25.2	-	-	74.8	-	-	26.2	-	-	20.9	-	-
0.1	0.1	0.1	2.5	2.0	2.8	14.0	10.8	17.0	23.6	21.1	25.5	42.3	38.1	48.0	14.0	10.8	17.0	20.2	12.9	28.1	79.8	71.9	87.1	19.6	16.2	23.4	17.3	13.2	21.7
0.0	0.0	0.1	2.0	1.1	2.8	14.5	12.8	16.3	27.7	22.7	33.4	39.9	35.7	43.5	14.5	12.8	16.3	17.9	12.8	23.3	82.1	76.7	87.2	20.4	15.5	25.9	18.7	13.9	23.3
0.1	0.0	0.6	2.2	0.8	3.4	14.2	12.4	16.8	24.9	21.4	34.2	40.0	35.8	45.3	14.2	12.4	16.8	21.0	12.4	28.1	79.0	71.9	87.6	20.1	13.9	25.8	19.0	12.3	26.4
0.2	0.0	0.3	2.5	1.8	3.1	13.6	10.9	16.1	22.1	19.6	24.6	39.3	37.1	42.6	13.6	10.9	16.1	25.0	21.6	29.5	75.0	70.5	78.4	20.0	16.0	23.2	18.0	13.0	22.6
0.2	0.1	0.3	2.7	1.7	3.1	16.1	13.9	18.4	23.3	21.5	25.0	40.4	38.4	42.4	16.1	13.9	18.4	20.2	17.6	23.8	79.8	76.2	82.4	19.8	16.9	22.7	19.4	15.5	22.8
0.1	0.1	0.3	2.4	1.8	3.6	14.3	11.9	16.1	23.0	21.6	25.0	39.6	36.8	42.7	14.3	11.9	16.1	23.1	18.7	28.0	76.9	72.0	81.3	18.7	13.2	22.9	19.1	16.1	23.6
0.1	0.0	0.3	2.5	1.3	3.5	13.6	11.6	16.9	22.0	19.2	24.5	39.9	36.1	44.3	13.6	11.6	16.9	24.5	16.8	29.1	75.5	70.9	83.2	20.4	13.6	25.8	17.8	10.7	22.5
0.1	0.0	0.3	2.5	1.6	3.3	14.0	11.7	17.1	23.2	20.6	26.3	39.7	36.2	43.7	14.0	11.7	17.1	23.0	15.9	29.5	77.0	70.5	84.1	19.7	9.9	27.8	18.1	9.5	30.1
0.1	0.0	0.2	2.3	0.9	3.7	13.3	11.0	16.0	24.7	21.1	32.6	37.4	33.0	41.5	13.3	11.0	16.0	24.5	20.5	32.5	75.5	67.5	79.5	17.0	9.8	23.4	15.2	7.5	21.6
0.1	0.0	0.1	2.2	1.0	2.5	13.1	12.2	14.6	22.1	18.7	32.5	39.7	36.2	43.1	13.1	12.2	14.6	25.1	18.5	28.1	74.9	71.9	81.5	20.5	14.4	24.4	17.1	9.8	21.4
0.1			**2.2**			**14.0**			**24.1**			**40.1**			**14.0**			**21.8**			**78.2**			**19.7**			**17.9**		
	0.0			**0.8**			**7.5**			**18.7**			**32.0**			**7.5**			**7.5**			**67.5**			**-1.9**			**-2.7**	
		1.4			**3.7**			**20.5**			**34.2**			**52.4**			**20.5**			**32.5**			**92.5**			**29.2**			**30.1**
0.1	0.0	0.1	1.8	1.5	2.6	13.5	11.2	15.0	24.3	22.5	25.5	43.2	38.4	46.3	13.5	11.2	15.0	18.9	13.2	27.9	81.1	72.1	86.8	17.4	7.8	25.7	15.1	6.7	21.7
0.1	0.0	0.1	1.9	1.4	2.6	15.0	12.4	18.6	23.6	23.0	24.1	44.7	42.5	45.8	15.0	12.4	18.6	16.7	11.6	21.2	83.3	78.8	88.4	12.0	7.3	19.5	9.8	4.3	18.8
0.1	0.1	0.1	1.9	1.8	2.0	14.4	13.8	15.1	25.0	24.5	25.4	42.2	41.2	43.1	14.4	13.8	15.1	18.5	17.7	19.2	81.5	80.8	82.3	19.4	16.7	22.2	17.6	17.3	18.0
0.0	-	-	0.9	-	-	14.0	-	-	30.9	-	-	36.3	-	-	14.0	-	-	18.9	-	-	81.1	-	-	16.8	-	-	14.1	-	-
0.2	0.0	0.3	2.1	1.8	2.6	15.8	14.5	17.8	22.8	21.7	23.7	44.3	40.7	46.9	15.8	14.5	17.8	17.0	13.8	20.4	83.0	79.6	86.2	8.1	5.3	11.5	7.2	4.2	8.9
0.1	-	-	3.2	-	-	12.0	-	-	22.8	-	-	34.4	-	-	12.0	-	-	30.8	-	-	69.2	-	-	23.8	-	-	17.6	-	-
0.0	0.0	0.1	1.7	1.0	2.7	17.1	14.2	20.0	25.8	23.5	29.9	42.5	37.2	48.4	17.1	14.2	20.0	14.5	8.4	23.7	85.5	76.3	91.6	10.8	2.2	19.8	8.5	-1.6	18.1
0.1	0.0	0.1	1.9	0.7	2.7	13.9	11.1	15.4	25.7	23.3	29.0	39.7	32.5	43.2	13.9	11.1	15.4	20.8	17.9	27.4	79.2	72.6	82.1	21.0	18.9	24.3	20.0	17.7	23.2
0.0	-	-	0.9	-	-	12.3	-	-	32.2	-	-	34.6	-	-	12.3	-	-	20.8	-	-	79.2	-	-	21.3	-	-	21.0	-	-
0.0	0.0	0.0	2.1	2.0	2.1	14.9	12.5	17.2	26.2	24.4	28.1	39.0	32.5	45.6	14.9	12.5	17.2	19.9	12.8	26.9	80.1	73.1	87.2	14.8	10.3	19.3	13.7	9.0	18.4
0.1	0.0	0.1	2.7	2.0	3.1	13.3	11.8	14.8	23.8	22.8	24.6	38.4	37.0	39.9	13.3	11.8	14.8	24.5	22.5	27.3	75.5	72.7	77.5	22.8	20.8	26.2	21.9	16.6	26.6
0.2	0.2	0.3	2.9	2.4	3.3	12.9	10.4	15.1	21.8	18.9	25.8	39.0	34.3	42.5	12.9	10.4	15.1	26.3	24.0	29.6	73.7	70.4	76.0	19.0	17.4	20.5	17.5	15.1	20.4
0.0	-	-	2.9	-	-	17.3	-	-	22.5	-	-	42.8	-	-	17.3	-	-	17.3	-	-	82.7	-	-	9.7	-	-	8.7	-	-
0.1	0.0	0.1	1.8	1.6	2.0	15.8	13.5	19.2	22.5	19.4	25.3	41.3	39.9	42.5	15.8	13.5	19.2	20.3	18.7	22.5	79.7	77.5	81.3	16.7	16.2	17.4	14.7	13.4	17.0
0.1	-	-	2.7	-	-	13.9	-	-	22.2	-	-	39.0	-	-	13.9	-	-	24.9	-	-	75.1	-	-	21.8	-	-	19.2	-	-
0.1	-	-	2.4	-	-	15.6	-	-	22.5	-	-	39.5	-	-	15.6	-	-	22.4	-	-	77.6	-	-	13.3	-	-	12.2	-	-
0.1			**2.1**			**14.7**			**24.5**			**40.9**			**14.7**			**20.0**			**80.0**			**16.5**			**14.7**		
	0.0			**0.7**			**10.4**			**18.9**			**32.5**			**10.4**			**8.4**			**69.2**			**2.2**			**-1.6**	
		0.3			**3.3**			**20.0**			**32.2**			**48.4**			**20.0**			**30.8**			**91.6**			**26.2**			**26.6**

TABLE 21: BÜHLER MCKA MILLING AND WHITENESS INDEX

Number of samples	Region	MCKA																					
		DEGERMER OVERS, %			DEGERMER THRUS, %			B1,%			B2,%			B3,%			C1,%			C2,%			C3,%		
		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: WM3																									
2	Region 12	14.2	13.3	15.2	89.9	89.6	90.1	13.1	13.1	13.1	8.0	7.8	8.3	2.1	1.8	2.3	45.6	45.6	45.6	0.9	0.9	0.9	0.2	0.2	0.2
1	Region 14	21.2	-	-	82.7	-	-	13.2	-	-	8.3	-	-	2.0	-	-	39.4	-	-	0.6	-	-	0.4	-	-
1	Region 17	17.1	-	-	86.0	-	-	12.2	-	-	9.1	-	-	2.1	-	-	41.0	-	-	1.2	-	-	0.4	-	-
1	Region 19	10.5	-	-	93.1	-	-	11.8	-	-	11.1	-	-	3.2	-	-	41.0	-	-	1.1	-	-	0.2	-	-
2	Region 20	19.0	13.3	24.8	82.9	77.3	88.6	12.8	11.7	13.9	9.8	7.6	12.0	2.4	2.0	2.9	37.4	36.6	38.1	1.0	0.9	1.2	0.4	0.3	0.5
2	Region 21	18.8	17.3	20.3	84.3	81.7	86.9	15.1	15.1	15.2	12.9	12.5	13.4	2.5	2.5	2.5	35.3	34.8	35.7	0.7	0.5	0.9	0.2	0.1	0.3
2	Region 22	24.2	24.1	24.3	79.8	78.8	80.9	12.9	12.4	13.3	7.9	7.7	8.1	1.7	1.6	1.8	37.6	37.5	37.8	1.0	0.9	1.1	0.4	0.4	0.5
1	Region 23	24.3	-	-	76.9	-	-	13.2	-	-	7.6	-	-	1.7	-	-	35.2	-	-	1.4	-	-	0.7	-	-
1	Region 28	18.2	-	-	85.2	-	-	12.5	-	-	8.3	-	-	1.9	-	-	38.1	-	-	1.1	-	-	0.4	-	-
2	Region 30	23.0	22.4	23.6	77.5	76.4	78.5	12.7	11.5	13.8	7.8	7.2	8.3	2.1	1.8	2.4	37.0	36.0	38.0	1.3	1.3	1.4	0.5	0.4	0.6
2	Region 31	18.8	18.7	18.9	84.0	83.8	84.3	13.0	12.5	13.6	8.3	7.7	8.9	2.0	2.0	2.1	38.2	38.0	38.3	0.9	0.8	1.1	0.5	0.4	0.6
1	Region 36	22.5	-	-	80.7	-	-	10.7	-	-	8.0	-	-	2.0	-	-	39.9	-	-	0.9	-	-	0.4	-	-
18	**Ave. WM3**	**19.4**			**83.4**			**12.9**			**9.0**			**2.1**			**38.7**			**1.0**			**0.4**		
	Min. WM3		**10.5**			**76.4**			**10.7**			**7.2**			**1.6**			**34.8**			**0.5**			**0.1**	
	Max. WM3			**24.8**			**93.1**			**15.2**			**13.4**			**3.2**			**45.6**			**1.4**			**0.7**
GRADE: COM																									
4	Region 12	18.8	15.6	21.0	83.8	81.7	84.9	13.2	12.8	13.6	8.0	7.2	8.8	1.9	1.7	2.5	39.7	38.3	40.9	1.2	0.8	1.5	0.5	0.3	0.7
4	Region 14	14.4	11.8	18.9	88.2	83.9	91.3	12.7	12.0	13.7	9.1	8.5	9.3	2.3	1.9	2.8	43.5	40.5	45.3	1.1	0.5	1.7	0.5	0.3	0.7
2	Region 15	18.2	17.7	18.7	85.1	84.5	85.6	15.1	13.9	16.2	10.6	8.7	12.5	2.4	2.0	2.7	37.2	34.2	40.3	0.7	0.5	0.9	0.2	0.2	0.3
2	Region 17	15.5	10.5	20.5	86.6	83.5	89.7	13.4	12.5	14.3	8.7	8.1	9.4	2.3	1.8	2.9	43.2	38.6	47.8	1.3	1.0	1.7	0.4	0.4	0.5
2	Region 18	21.5	16.3	26.6	82.0	75.5	88.5	12.7	12.4	13.0	8.2	7.7	8.7	1.8	1.8	1.9	38.4	35.5	41.4	0.9	0.7	1.1	0.4	0.3	0.5
2	Region 20	18.7	18.4	19.0	81.5	80.8	82.2	13.3	13.1	13.5	8.3	8.1	8.6	1.9	1.9	2.0	39.2	39.2	39.3	1.5	1.0	2.0	0.6	0.5	0.7
4	Region 21	17.5	14.1	19.3	84.5	81.2	87.8	14.9	13.2	15.8	10.6	8.3	12.7	2.3	1.9	2.7	37.7	33.6	41.6	1.0	0.6	1.5	0.4	0.2	0.8
6	Region 22	20.0	17.1	22.7	82.9	78.1	87.9	14.9	13.4	16.0	9.5	7.9	12.4	2.3	1.7	2.8	36.7	33.8	40.6	0.8	0.5	1.3	0.3	0.2	0.5
2	Region 23	20.1	19.7	20.5	84.0	82.7	85.2	15.2	13.8	16.6	9.5	7.4	11.5	1.9	1.6	2.2	37.3	35.9	38.7	0.7	0.6	0.9	0.2	0.1	0.3
3	Region 24	20.8	17.5	26.4	81.0	77.1	84.1	12.6	11.2	14.2	8.5	7.9	8.8	2.0	1.6	2.3	39.1	36.1	41.6	1.0	0.7	1.4	0.4	0.3	0.5
1	Region 28	11.6	-	-	89.5	-	-	14.3	-	-	7.7	-	-	2.1	-	-	42.5	-	-	1.3	-	-	0.5	-	-
2	Region 29	22.5	21.5	23.4	83.0	81.7	84.3	13.6	12.3	14.9	7.7	7.7	7.7	1.7	1.6	1.9	38.0	36.3	39.6	0.8	0.7	0.9	0.3	0.2	0.4
5	Region 30	22.8	18.3	26.2	79.5	77.1	84.3	11.7	10.9	13.0	7.9	7.4	8.3	2.0	1.7	2.3	37.4	35.3	40.4	1.2	1.0	1.9	0.5	0.4	0.7
2	Region 31	18.0	16.9	19.0	85.0	83.6	86.3	12.3	12.3	12.4	8.5	8.5	8.6	2.0	1.9	2.1	39.4	39.1	39.6	0.8	0.7	0.9	0.4	0.4	0.4
1	Region 32	23.8	-	-	80.9	-	-	12.7	-	-	8.6	-	-	1.8	-	-	36.0	-	-	1.1	-	-	0.5	-	-
3	Region 33	21.5	19.9	24.1	80.7	79.5	82.4	11.7	10.5	12.5	7.8	7.7	7.9	2.2	1.9	2.4	37.8	36.0	38.7	1.6	0.9	2.0	0.5	0.4	0.6
1	Region 34	17.5	-	-	81.4	-	-	10.9	-	-	9.9	-	-	2.3	-	-	40.3	-	-	1.9	-	-	0.5	-	-
1	Region 35	16.3	-	-	88.0	-	-	14.0	-	-	8.1	-	-	1.9	-	-	40.4	-	-	0.9	-	-	0.4	-	-
1	Region 36	20.4	-	-	82.7	-	-	11.7	-	-	8.4	-	-	2.0	-	-	41.3	-	-	0.8	-	-	0.3	-	-
48	**Ave. COM**	**19.2**			**83.4**			**13.3**			**8.8**			**2.1**			**38.9**			**1.1**			**0.4**		
	Min. COM		**10.5**			**75.5**			**10.5**			**7.2**			**1.6**			**33.6**			**0.5**			**0.1**	
	Max. COM			**26.6**			**91.3**			**16.6**			**12.7**			**2.9**			**47.8**			**2.0**			**0.8**
517	**Ave. White**	**19.3**			**83.7**			**13.4**			**8.7**			**2.1**			**38.8**			**0.9**			**0.4**		
	Min. White		**6.1**			**73.6**			**8.6**			**6.7**			**1.4**			**31.4**			**0.1**			**0.1**	
	Max. White			**28.6**			**100.8**			**19.2**			**14.6**			**5.2**			**51.2**			**2.2**			**1.0**

OF WHITE MAIZE ACCORDING TO GRADE (2023/24) (continue)

Milling																					Whiteness Index					
G1, %			G2, %			G3, %			Fraction B1 - B3, %			Fraction C1 - C3, %			Grits (Fraction G3), %			Germ/Bran (Degermer overs + G1 + G2), %			TOTAL of all meal fractions, %			Unsifted			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.	ave.	min.	max.	ave.	min.	max.
0.1	0.0	0.2	1.4	1.4	1.5	14.3	13.8	14.9	23.2	22.7	23.6	46.7	46.7	46.7	14.3	13.8	14.9	15.8	14.7	16.8	84.2	83.2	85.3	8.7	5.9	11.6	8.6	7.1	10.1
0.0	-	-	2.2	-	-	12.7	-	-	23.5	-	-	40.4	-	-	12.7	-	-	23.5	-	-	76.5	-	-	20.5	-	-	19.4	-	-
0.0	-	-	1.5	-	-	15.3	-	-	23.4	-	-	42.6	-	-	15.3	-	-	18.7	-	-	81.3	-	-	7.5	-	-	7.4	-	-
0.0	-	-	1.7	-	-	19.3	-	-	26.1	-	-	42.3	-	-	19.3	-	-	12.3	-	-	87.7	-	-	4.3	-	-	4.5	-	-
0.1	0.0	0.1	2.2	1.9	2.6	14.8	12.9	16.7	25.0	21.3	28.7	38.8	38.3	39.4	14.8	12.9	16.7	21.3	15.2	27.5	78.7	72.5	84.8	11.7	11.6	11.8	7.1	6.0	8.3
0.0	0.0	0.0	0.8	0.8	0.8	13.6	12.6	14.7	30.6	30.2	31.0	36.2	36.0	36.3	13.6	12.6	14.7	19.6	18.1	21.1	80.4	78.9	81.9	20.7	19.5	21.9	20.2	18.9	21.5
0.1	0.1	0.1	2.9	2.7	3.0	11.3	10.8	11.8	22.4	21.6	23.2	39.0	38.8	39.3	11.3	10.8	11.8	27.2	27.2	27.2	72.8	72.8	72.8	25.7	24.9	26.4	23.2	22.0	24.3
0.1	-	-	2.6	-	-	13.3	-	-	22.5	-	-	37.2	-	-	13.3	-	-	27.0	-	-	73.0	-	-	19.2	-	-	23.7	-	-
0.2	-	-	2.4	-	-	16.9	-	-	22.7	-	-	39.6	-	-	16.9	-	-	20.8	-	-	79.2	-	-	13.0	-	-	12.6	-	-
0.2	0.2	0.2	3.0	2.8	3.1	12.4	12.2	12.6	22.5	20.5	24.5	38.9	37.8	40.0	12.4	12.2	12.6	26.2	25.5	26.9	73.8	73.1	74.5	23.3	23.0	23.5	20.0	18.5	21.6
0.2	-	-	2.5	-	-	15.5	-	-	23.3	-	-	39.6	-	-	15.5	-	-	21.6	-	-	78.4	-	-	20.9	-	-	20.9	-	-
0.0	-	-	2.3	-	-	13.5	-	-	20.7	-	-	41.1	-	-	13.5	-	-	24.7	-	-	75.3	-	-	18.1	-	-	14.7	-	-
0.1			**2.1**			**14.2**			**24.1**			**40.1**			**14.2**			**21.7**			**78.3**			**16.9**			**15.7**		
	0.0			**0.8**			**10.8**			**20.5**			**36.0**			**10.8**			**12.3**			**72.5**			**4.3**			**4.5**	
		0.2			**3.1**			**19.3**			**31.0**			**46.7**			**19.3**			**27.5**			**87.7**			**26.4**			**24.3**
0.1	0.0	0.1	1.9	1.6	2.5	14.7	12.7	17.3	23.2	21.7	24.8	41.4	40.3	42.8	14.7	12.7	17.3	20.8	17.5	23.5	79.2	76.5	82.5	17.9	13.7	20.6	17.8	15.8	20.1
0.1	0.1	0.1	2.3	2.2	2.4	14.1	12.6	15.9	24.1	22.5	24.9	45.0	41.3	47.6	14.1	12.6	15.9	16.7	14.2	21.1	83.3	78.9	85.8	18.5	16.3	20.2	16.5	13.0	19.9
0.0	0.0	0.1	1.4	1.1	1.7	14.2	13.9	14.5	28.1	24.7	31.5	38.2	34.9	41.4	14.2	13.9	14.5	19.6	19.4	19.7	80.4	80.3	80.6	16.0	15.3	16.7	15.4	15.2	15.6
0.1	0.0	0.1	2.3	1.8	2.7	12.6	12.4	12.9	24.5	24.3	24.8	44.9	40.0	49.9	12.6	12.4	12.9	17.9	12.4	23.3	82.1	76.7	87.6	20.5	18.6	22.4	18.6	18.2	19.1
0.1	0.1	0.1	2.7	2.5	2.9	13.3	11.4	15.1	22.7	21.9	23.6	39.8	37.1	42.4	13.3	11.4	15.1	24.3	18.9	29.6	75.7	70.4	81.1	14.7	9.0	20.5	10.8	5.3	16.3
0.2	0.2	0.2	2.8	2.7	2.9	13.5	13.2	13.9	23.6	23.5	23.7	41.3	40.7	41.9	13.5	13.2	13.9	21.6	21.4	21.8	78.4	78.2	78.6	10.5	-2.0	22.9	9.4	-2.5	21.2
0.0	0.0	0.1	1.5	0.7	2.2	13.9	12.7	15.2	27.8	24.4	31.0	39.2	34.3	43.4	13.9	12.7	15.2	19.0	16.3	20.2	81.0	79.8	83.7	19.5	16.0	23.5	19.7	14.4	23.0
0.0	0.0	0.1	1.8	0.8	2.7	13.6	12.3	14.3	26.7	23.8	30.8	37.8	34.7	41.7	13.6	12.3	14.3	21.9	19.1	25.3	78.1	74.7	80.9	19.6	16.9	21.4	17.2	14.0	19.2
0.0	0.0	0.1	1.6	0.8	2.3	13.5	12.5	14.4	26.5	22.8	30.3	38.3	36.6	39.9	13.5	12.5	14.4	21.7	20.6	22.9	78.3	77.1	79.4	19.6	14.5	24.7	19.2	15.3	23.2
0.1	0.0	0.1	2.3	1.9	2.5	13.4	12.0	15.0	23.1	22.0	25.2	40.5	37.2	43.5	13.4	12.0	15.0	23.1	19.4	28.8	76.9	71.2	80.6	21.3	17.8	24.0	18.4	14.0	22.0
0.1	-	-	1.9	-	-	18.0	-	-	24.1	-	-	44.3	-	-	18.0	-	-	13.6	-	-	86.4	-	-	13.3	-	-	8.1	-	-
0.1	0.0	0.2	2.4	2.2	2.6	13.0	12.2	13.8	23.0	21.8	24.2	39.1	37.4	40.8	13.0	12.2	13.8	24.9	23.7	26.2	75.1	73.8	76.3	23.3	20.2	26.5	22.2	19.3	25.2
0.3	0.2	0.4	3.0	2.7	3.3	13.3	11.4	14.5	21.6	20.5	23.0	39.1	36.9	41.9	13.3	11.4	14.5	26.0	21.8	29.7	74.0	70.3	78.2	17.8	3.9	23.7	15.9	1.6	22.4
0.2	0.2	0.2	2.5	2.2	2.8	15.9	15.4	16.4	22.9	22.7	23.0	40.5	40.2	40.9	15.9	15.4	16.4	20.7	19.9	21.4	79.3	78.6	80.1	20.5	20.1	21.0	19.0	18.7	19.3
0.2	-	-	3.1	-	-	12.1	-	-	23.2	-	-	37.6	-	-	12.1	-	-	27.2	-	-	72.8	-	-	15.3	-	-	14.6	-	-
0.1	0.1	0.2	2.8	2.4	3.0	13.9	13.0	15.3	21.8	20.6	22.4	39.9	37.3	41.3	13.9	13.0	15.3	24.4	22.9	27.3	75.6	72.7	77.1	20.1	15.8	22.7	17.6	15.1	19.5
0.1	-	-	1.6	-	-	14.9	-	-	23.1	-	-	42.7	-	-	14.9	-	-	19.2	-	-	80.8	-	-	11.9	-	-	14.6	-	-
0.1	-	-	1.9	-	-	16.2	-	-	24.0	-	-	41.6	-	-	16.2	-	-	18.2	-	-	81.8	-	-	14.4	-	-	12.8	-	-
0.0	-	-	2.3	-	-	12.7	-	-	22.2	-	-	42.4	-	-	12.7	-	-	22.7	-	-	77.3	-	-	18.6	-	-	13.7	-	-
0.1			**2.2**			**13.9**			**24.2**			**40.4**			**13.9**			**21.5**			**78.5**			**18.3**			**16.7**		
	0.0			**0.7**			**11.4**			**20.5**			**34.3**			**11.4**			**12.4**			**70.3**			**-2.0**			**-2.5**	
		0.4			**3.3**			**18.0**			**31.5**			**49.9**			**18.0**			**29.7**			**87.6**			**26.5**			**25.2**
0.1			**2.2**			**14.1**			**24.1**			**40.2**			**14.1**			**21.7**			**78.3**			**19.2**			**17.5**		
	0.0			**0.7**			**7.5**			**18.7**			**32.0**			**7.5**			**7.5**			**67.5**			**-2.0**			**-2.7**	
		1.4			**3.7**			**20.5**			**34.2**			**52.4**			**20.5**			**32.5**			**92.5**			**29.2**			**30.1**