

TABLE 22: 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.
WHITE																									
17	Region 12	15.8	7.6	25.2	87.2	79.3	97.6	13.4	11.8	15.1	8.3	7.1	9.3	2.1	1.7	2.6	42.6	37.5	51.2	1.1	0.7	1.7	0.4	0.2	0.7
8	Region 13	16.4	9.9	25.6	87.1	79.4	93.2	12.9	11.5	14.4	8.6	7.5	9.9	2.4	1.9	3.2	42.4	36.1	44.7	0.9	0.5	1.2	0.3	0.1	0.5
20	Region 14	16.3	11.8	21.2	86.6	81.5	91.3	13.3	11.9	14.4	8.8	8.1	9.3	2.1	1.8	2.8	41.5	39.2	45.3	1.1	0.5	2.0	0.4	0.2	0.8
13	Region 15	18.2	16.0	19.8	85.1	81.7	88.2	15.0	13.0	16.6	10.2	7.7	13.8	2.2	1.7	3.1	37.3	34.0	40.8	0.8	0.5	1.2	0.3	0.1	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
26	Region 17	17.4	10.5	25.3	85.4	78.0	91.9	13.2	10.0	14.9	8.4	7.4	9.6	2.0	1.6	3.4	41.4	35.1	47.8	1.0	0.1	2.0	0.4	0.1	0.5
24	Region 18	19.5	13.2	27.5	83.8	75.5	88.8	13.6	11.9	15.4	8.5	7.3	12.4	1.9	1.5	2.6	38.6	33.5	41.4	0.9	0.6	1.3	0.4	0.2	0.6
23	Region 19	15.0	6.1	21.0	87.3	78.9	99.6	13.2	11.3	16.1	9.8	7.7	11.9	2.5	1.7	3.8	40.1	35.9	47.8	1.0	0.5	1.7	0.4	0.2	0.6
21	Region 20	18.4	13.3	24.8	84.8	77.3	90.3	13.5	11.7	14.7	8.9	7.6	12.0	2.1	1.8	3.0	39.4	35.5	41.8	0.9	0.4	2.0	0.4	0.2	0.7
27	Region 21	18.7	13.6	26.7	84.8	78.1	90.4	14.8	12.5	16.9	10.0	7.2	14.6	2.2	1.5	5.2	37.3	31.7	41.6	0.8	0.5	1.5	0.3	0.1	0.8
32	Region 22	20.5	16.3	26.3	82.9	77.2	87.9	14.8	11.8	18.1	9.4	7.2	12.6	2.1	1.5	2.8	37.1	31.4	40.7	0.8	0.4	1.4	0.3	0.1	0.6
37	Region 23	20.3	16.7	24.3	83.0	76.9	87.3	14.1	11.9	17.1	8.5	7.4	12.3	1.9	1.6	2.6	38.1	33.3	40.3	0.9	0.5	1.5	0.4	0.1	0.8
28	Region 24	19.1	10.5	26.4	83.2	77.1	92.2	13.5	11.2	15.4	9.0	6.9	12.7	2.0	1.4	2.7	38.6	31.8	44.5	0.9	0.5	1.4	0.4	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
13	Region 28	15.7	11.4	21.3	87.5	81.9	93.4	14.3	12.4	16.9	10.4	7.1	14.4	2.3	1.6	3.1	39.0	35.1	42.5	0.8	0.5	1.3	0.3	0.1	0.6
33	Region 29	19.4	11.4	25.2	83.9	76.8	92.8	13.8	10.9	17.2	8.7	6.9	14.4	2.1	1.4	3.3	38.3	35.0	43.7	1.0	0.4	2.2	0.4	0.1	0.9
38	Region 30	22.5	18.3	26.3	80.1	74.8	85.3	12.2	8.6	17.2	7.8	6.9	8.6	2.0	1.5	3.0	37.8	32.4	41.6	1.0	0.4	1.9	0.4	0.1	1.0
14	Region 31	17.4	14.4	21.0	85.2	80.2	88.7	12.8	11.3	14.3	8.3	7.1	8.9	2.0	1.8	2.3	39.1	37.0	40.7	1.0	0.7	1.7	0.4	0.3	0.6
16	Region 32	20.4	16.8	24.2	82.9	79.4	86.0	12.8	10.5	14.7	8.2	6.7	10.7	1.9	1.5	3.0	38.7	35.5	41.7	0.8	0.4	1.1	0.4	0.1	0.5
51	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
33	Region 34	20.4	13.5	26.6	82.4	73.6	88.7	13.3	10.4	16.2	8.0	6.7	10.2	1.9	1.4	2.8	38.4	34.5	42.8	1.0	0.6	2.1	0.4	0.2	0.8
10	Region 35	21.3	16.3	28.6	82.3	73.8	88.0	13.8	11.4	19.2	8.7	6.8	12.6	2.0	1.5	2.7	36.9	32.1	40.6	0.8	0.4	1.2	0.3	0.1	0.5
16	Region 36	22.7	17.6	25.8	79.8	75.3	86.8	11.7	9.8	18.6	8.4	7.4	11.7	1.9	1.5	2.4	38.7	35.3	41.7	0.9	0.6	1.5	0.4	0.2	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 (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.
0.2	0.0	1.4	1.7	1.3	2.6	14.4	11.2	17.3	23.8	21.3	25.9	44.0	38.4	52.4	14.4	11.2	17.3	17.7	9.4	27.9	82.3	72.1	90.6	14.5	4.7	25.7	13.0	2.0	21.7
0.1	0.0	0.2	2.0	1.4	2.9	14.0	11.1	18.6	23.9	21.9	26.2	43.6	37.2	45.8	14.0	11.1	18.6	18.5	11.6	28.7	81.5	71.3	88.4	15.3	7.3	26.5	12.8	4.3	22.0
0.1	0.0	0.1	2.1	1.7	2.5	14.4	12.5	16.7	24.1	22.5	25.4	43.0	40.1	47.6	14.4	12.5	16.7	18.4	14.2	23.5	81.6	76.5	85.8	19.4	12.2	26.9	17.8	11.2	23.3
0.0	0.0	0.1	1.6	0.8	2.5	14.3	13.2	15.6	27.4	24.1	31.9	38.4	34.7	42.4	14.3	13.2	15.6	19.9	16.9	21.7	80.1	78.3	83.1	17.8	7.4	21.9	17.1	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	0.3	2.1	1.5	2.7	13.9	10.6	19.0	23.7	21.7	25.8	42.8	36.2	49.9	13.9	10.6	19.0	19.6	12.4	27.9	80.4	72.1	87.6	17.3	5.3	25.9	15.4	4.2	24.3
0.1	0.0	0.2	2.3	0.8	3.2	14.3	11.4	17.2	24.0	21.7	28.5	39.9	34.4	42.9	14.3	11.4	17.2	21.9	15.8	30.8	78.1	69.2	84.2	18.4	9.0	26.1	16.6	5.3	23.5
0.1	0.0	0.3	1.9	1.0	2.8	16.0	12.6	20.5	25.5	22.8	29.9	41.6	37.2	49.0	16.0	12.6	20.5	16.9	7.5	23.8	83.1	76.2	92.5	12.7	-1.9	24.6	10.8	-2.7	21.0
0.1	0.0	0.3	2.5	1.8	3.0	13.8	12.4	16.7	24.4	21.3	28.7	40.8	36.7	43.5	13.8	12.4	16.7	21.0	15.2	27.5	79.0	72.5	84.8	18.7	-2.0	24.6	16.0	-2.5	21.5
0.1	0.0	0.2	1.7	0.7	2.9	14.2	11.1	17.4	27.0	22.7	33.8	38.4	32.5	43.4	14.2	11.1	17.4	20.4	14.8	27.4	79.6	72.6	85.2	18.8	11.8	24.7	18.1	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	32.2	38.2	32.0	42.0	13.0	7.5	16.5	22.4	18.5	29.8	77.6	70.2	81.5	21.6	16.9	29.2	20.6	14.0	27.7
0.1	0.0	0.3	2.2	0.8	2.9	13.7	11.7	15.9	24.5	21.4	31.8	39.3	34.0	41.7	13.7	11.7	15.9	22.5	17.6	27.0	77.5	73.0	82.4	22.3	14.5	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	24.5	22.0	29.1	40.0	32.5	45.6	14.1	11.7	19.5	21.4	12.8	28.8	78.6	71.2	87.2	19.9	8.3	26.3	17.6	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
0.1	0.0	0.2	2.0	1.1	2.8	15.0	12.8	18.0	27.0	22.7	33.4	40.2	35.7	44.3	15.0	12.8	18.0	17.8	12.8	23.3	82.2	76.7	87.2	19.3	13.0	25.9	17.4	8.1	23.3
0.1	0.0	0.6	2.3	0.8	3.4	13.9	11.8	16.8	24.6	21.4	34.2	39.6	35.8	45.3	13.9	11.8	16.8	21.9	12.4	28.1	78.1	71.9	87.6	20.8	13.9	26.5	19.7	12.3	26.6
0.2	0.0	0.4	2.6	1.8	3.3	13.5	10.4	16.1	22.0	18.9	25.8	39.2	34.3	42.6	13.5	10.4	16.1	25.3	21.6	29.7	74.7	70.3	78.4	19.8	3.9	23.7	17.8	1.6	22.6
0.2	0.0	0.3	2.6	1.7	3.1	16.1	13.9	18.4	23.2	21.5	25.0	40.5	38.4	42.8	16.1	13.9	18.4	20.3	17.3	23.8	79.7	76.2	82.7	19.4	9.7	22.7	18.8	8.7	23.3
0.1	0.0	0.3	2.3	1.6	3.6	14.4	11.9	19.2	23.0	19.4	25.3	39.8	36.8	42.7	14.4	11.9	19.2	22.8	18.7	28.0	77.2	72.0	81.3	18.1	13.2	22.9	18.0	13.4	23.6
0.1	0.0	0.3	2.6	1.3	3.5	13.7	11.6	16.9	22.0	19.2	24.5	39.9	36.1	44.3	13.7	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	2.4	1.6	3.3	14.1	11.7	17.1	23.2	20.6	26.3	39.8	36.2	43.7	14.1	11.7	17.1	23.0	15.9	29.5	77.0	70.5	84.1	19.5	9.9	27.8	18.1	9.5	30.1
0.1	0.0	0.2	2.3	0.9	3.7	13.8	11.0	16.2	24.4	21.1	32.6	38.0	33.0	41.6	13.8	11.0	16.2	23.7	18.2	32.5	76.3	67.5	81.8	16.4	9.8	23.4	14.6	7.5	21.6
0.1	0.0	0.1	2.2	1.0	2.5	13.1	12.2	14.6	22.0	18.7	32.5	40.0	36.2	43.1	13.1	12.2	14.6	24.9	18.5	28.1	75.1	71.9	81.5	20.2	14.4	24.4	16.7	9.8	21.4
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		

