

TABLE 28: 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																									
282	Ave. WM1	20.6			81.7			13.1			8.0			1.7			40.8			1.0			0.4		
	Min. WM1	10.3			7.9			10.2			6.2			0.9			28.3			0.6			0.1		
	Max. WM1	30.4			92.9			16.4			9.6			4.6			46.7			2.0			0.7		
GRADE: WM2																									
120	Ave. WM2	20.8			81.9			12.8			7.9			1.7			40.7			1.0			0.3		
	Min. WM2	8.5			71.7			10.5			6.1			1.3			30.3			0.5			0.2		
	Max. WM2	31.5			104.0			18.5			10.0			2.6			47.6			1.8			0.6		
GRADE: WM3																									
39	Ave. WM3	20.3			82.4			13.0			7.8			1.8			40.8			1.0			0.3		
	Min. WM3	12.3			72.8			11.4			6.7			1.3			32.7			0.6			0.2		
	Max. WM3	32.0			91.2			14.9			8.9			2.3			45.7			1.7			0.7		
GRADE: COM																									
15	Ave. COM	19.8			82.9			13.5			7.9			1.8			41.1			0.9			0.3		
	Min. COM	14.2			77.6			10.9			7.2			1.4			36.6			0.7			0.2		
	Max. COM	26.1			89.1			16.1			9.2			2.0			45.5			1.5			0.5		
456	Ave. White	20.6			81.9			13.0			7.9			1.7			40.8			1.0			0.4		
	Min. White	8.5			7.9			10.2			6.1			0.9			28.3			0.5			0.1		
	Max. White	32.0			104.0			18.5			10.0			4.6			47.6			2.0			0.7		

TABLE 29: BÜHLER MCKA MILLING AND WHITENESS INDEX																									
Number of samples	Province	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.
-	Western Cape	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	Northern Cape	21.3	20.7	21.8	78.3	77.8	78.9	12.1	12.0	12.3	7.1	6.7	7.4	1.6	1.6	1.7	40.7	40.3	41.0	1.0	0.9	1.2	0.4	0.3	0.5
155	Free State	19.3	8.5	32.0	83.4	72.8	94.0	13.4	10.6	16.4	8.0	6.2	10.0	1.7	1.3	4.6	41.3	28.3	47.6	1.0	0.5	1.9	0.3	0.2	0.7
-	Eastern Cape	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	KwaZulu Natal	22.6	19.5	26.5	79.8	76.3	83.6	12.3	11.1	13.4	7.7	6.6	8.3	1.6	1.3	2.0	39.8	38.0	41.4	0.9	0.6	1.2	0.4	0.2	0.4
184	Mpumalanga	22.4	11.2	30.9	79.8	7.9	92.9	12.6	10.2	15.8	7.9	6.1	9.2	1.7	1.3	2.2	40.1	32.3	46.7	0.9	0.5	1.8	0.4	0.2	0.7
7	Limpopo	21.7	19.5	23.7	81.4	78.5	83.8	13.1	11.7	14.6	7.7	6.7	8.9	1.5	1.3	1.9	39.5	35.9	43.0	0.9	0.7	1.1	0.4	0.3	0.5
29	Gauteng	21.1	15.8	25.3	81.1	77.7	88.0	12.7	11.2	14.9	8.0	7.3	8.9	1.6	1.3	2.0	41.6	37.8	45.4	0.9	0.7	1.1	0.4	0.2	0.6
66	North West	18.1	12.0	27.9	85.0	74.6	104.0	14.0	12.1	18.5	8.0	6.4	9.0	1.8	0.9	2.6	41.5	34.8	45.1	1.0	0.6	2.0	0.3	0.1	0.5
456	Ave. White	20.6			81.9			13.0			7.9			1.7			40.8			1.0			0.4		
	Min. White	8.5			7.9			10.2			6.1			0.9			28.3			0.5			0.1		
	Max. White	32.0			104.0			18.5			10.0			4.6			47.6			2.0			0.7		

OF WHITE MAIZE ACCORDING TO GRADE (2024/25)

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			2.0			12.4			22.8			42.1			12.4			22.7			77.3			15.7			14.5					
0.0			0.9			9.1			19.4			30.4			9.1			11.9			64.3			1.6			1.9					
0.8			4.6			19.1			26.1			48.3			19.1			35.7			88.1			25.0			26.7					
0.1			1.9			12.8			22.4			42.0			12.8			22.8			77.2			12.6			11.2					
0.0			1.0			8.8			19.4			31.4			8.8			10.9			63.8			-2.0			-3.6					
0.7			3.9			17.7			27.5			48.9			17.7			36.2			89.1			22.1			22.1					
0.1			1.9			13.0			22.6			42.1			13.0			22.3			77.7			11.5			10.6					
0.0			1.3			8.6			20.9			33.8			8.6			13.8			64.2			0.9			-0.7					
0.4			3.5			18.2			24.4			47.0			18.2			35.8			86.2			22.2			20.1					
0.1			2.1			12.5			23.2			42.4			12.5			22.0			78.0			14.2			13.2					
0.0			1.3			10.9			20.5			38.0			10.9			15.9			71.6			9.3			6.4					
0.3			3.2			15.0			27.2			46.4			15.0			28.4			84.1			24.0			25.7					
0.1			2.0			12.5			22.7			42.1			12.5			22.7			77.3			14.5			13.2					
0.0			0.9			8.6			19.4			30.4			8.6			10.9			63.8			-2.0			-3.6					
0.8			4.6			19.1			27.5			48.9			19.1			36.2			89.1			25.0			26.7					

OF WHITE MAIZE ACCORDING TO PROVINCE (2024/25)

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.
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0.0	0.0	0.0	1.6	1.5	1.6	14.1	14.0	14.3	20.8	20.7	21.0	42.2	41.6	42.7	14.1	14.0	14.3	22.8	22.4	23.3	77.2	76.7	77.6	17.4	17.1	17.6	16.3	15.2	17.3
0.1	0.0	0.7	1.8	0.9	4.6	13.0	8.6	19.1	23.1	19.8	27.2	42.7	30.4	48.9	13.0	8.6	19.1	21.2	10.9	36.2	78.8	63.8	89.1	13.8	-2.0	24.6	12.7	-3.6	25.1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0.1	0.0	0.1	2.0	1.7	2.5	12.6	11.4	14.4	21.7	19.5	22.7	41.1	39.2	42.8	12.6	11.4	14.4	24.6	21.5	28.5	75.4	71.5	78.5	16.7	11.7	24.4	15.3	11.1	22.5
0.1	0.0	0.8	2.1	1.0	3.6	11.9	9.4	15.1	22.1	19.4	26.0	41.4	34.0	48.3	11.9	9.4	15.1	24.6	14.0	34.2	75.4	65.8	86.0	13.9	-1.3	21.8	12.6	-2.1	20.7
0.0	0.0	0.1	2.1	1.6	2.9	13.1	11.0	15.8	22.3	21.0	23.2	40.7	37.0	44.0	13.1	11.0	15.8	23.8	21.2	26.6	76.2	73.4	78.8	15.8	10.7	22.9	14.9	9.6	22.1
0.1	0.0	0.2	1.9	1.3	2.8	11.7	10.3	13.6	22.3	20.2	25.0	42.9	38.9	46.8	11.7	10.3	13.6	23.0	18.1	27.3	77.0	72.7	81.9	15.6	2.0	23.5	14.3	-0.7	21.4
0.0	0.0	0.1	1.9	1.2	2.8	13.5	9.8	18.2	23.7	20.7	27.5	42.8	35.6	46.3	13.5	9.8	18.2	20.0	13.8	30.0	80.0	70.0	86.2	13.8	0.9	25.0	12.8	2.3	26.7
0.1			2.0			12.5			22.7			42.1			12.5			22.7			77.3			14.5			13.2		
	0.0			0.9			8.6			19.4				30.4		8.6			10.9			63.8			-2.0			-3.6	
		0.8			4.6			19.1			27.5			48.9			19.1			36.2			89.1			25.0			26.7