

TABLE 34: NUTRITIONAL VALUES OF SOUTH AFRICAN WHITE AND YELLOW MAIZE OVER 10 SEASONS

Season	Number of samples	Fat % (db)			Protein % (db)			Starch % (db)			Crude Fibre % (db)		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
White Maize													
2015/16	415	4.1	3.5	5.2	9.7	7.5	12.2	72.6	69.8	76.3	-	-	-
2016/17	549	4.2	3.4	5.3	8.7	6.8	11.5	74.1	69.8	75.9	-	-	-
2017/18	451	4.1	3.4	5.0	8.7	6.8	11.2	73.2	69.4	74.8	-	-	-
2018/19	404	4.0	3.0	5.3	9.0	7.4	12.3	73.6	69.7	75.4	1.9	1.7	2.8
2019/20	516	4.0	3.4	5.0	8.4	6.7	11.7	73.2	69.6	74.9	1.9	1.6	2.6
2020/21	560	4.0	3.4	5.1	8.3	6.0	11.3	75.5	71.4	77.3	2.3	2.1	2.5
2021/22	524	4.0	3.3	5.2	8.0	6.1	10.0	76.0	72.8	76.9	2.2	1.7	2.7
2022/23	520	4.0	3.4	5.3	8.2	6.4	10.5	75.1	71.1	76.7	2.1	1.8	2.4
2023/24	518	3.9	3.4	5.2	8.9	6.7	11.1	74.3	70.5	77.4	2.2	1.8	2.5
2024/25	458	4.0	3.3	4.8	8.9	6.6	12.7	74.0	69.1	76.5	2.1	1.9	2.6
Weighted Average		4.0			8.6			74.2			2.1		
Minimum		3.0			6.0			69.1			1.6		
Maximum		5.3			12.7			77.4			2.8		
Yellow Maize													
2015/16	505	4.0	3.3	5.1	9.7	7.7	12.6	72.3	70.0	75.3	-	-	-
2016/17	451	4.1	3.3	5.1	8.9	7.1	10.8	73.7	71.3	76.2	-	-	-
2017/18	449	4.0	3.2	5.0	9.0	6.7	11.3	72.0	68.5	74.6	-	-	-
2018/19	404	4.0	3.3	5.0	9.2	6.7	11.4	72.7	70.2	75.2	2.0	1.6	2.3
2019/20	374	3.9	3.3	4.6	9.0	7.0	10.9	72.3	68.3	74.9	1.9	1.6	2.5
2020/21	440	4.0	3.2	5.1	8.7	7.1	10.3	74.7	71.9	76.5	2.3	2.0	2.6
2021/22	476	3.9	3.3	4.7	8.4	6.4	10.0	75.1	72.4	76.8	2.3	1.7	2.7
2022/23	480	4.0	3.3	4.9	8.6	6.6	10.6	73.9	70.8	76.5	2.2	1.8	2.6
2023/24	482	3.9	3.2	4.8	9.3	7.5	11.6	73.5	70.0	77.0	2.2	1.8	2.6
2024/25	542	3.9	3.2	5.0	8.8	6.8	11.6	73.6	69.8	76.5	2.2	1.9	2.5
Weighted Average		4.0			9.0			73.4			2.2		
Minimum		3.2			6.4			68.3			1.6		
Maximum		5.1			12.6			77.0			2.7		
White and Yellow Maize													
2015/16	920	4.1	3.3	5.2	9.7	7.5	12.6	72.4	69.8	76.3	-	-	-
2016/17	1000	4.1	3.3	5.3	8.8	6.8	11.5	73.9	69.8	76.2	-	-	-
2017/18	900	4.0	3.2	5.0	8.8	6.7	11.3	72.6	68.5	74.8	-	-	-
2018/19	808	4.0	3.0	5.3	9.1	6.7	12.3	73.2	69.7	75.4	1.9	1.6	2.8
2019/20	890	4.0	3.3	5.0	8.7	6.7	11.7	72.8	68.3	74.9	1.9	1.6	2.6
2020/21	1000	4.0	3.2	5.1	8.5	6.0	11.3	75.2	71.4	77.3	2.3	2.0	2.6
2021/22	1000	3.9	3.3	5.2	8.2	6.1	10.0	75.6	72.4	76.9	2.2	1.7	2.7
2022/23	1000	4.0	3.3	5.3	8.4	6.4	10.6	74.5	70.8	76.7	2.1	1.8	2.6
2023/24	1000	3.9	3.2	5.2	9.1	6.7	11.6	73.9	70.0	77.4	2.2	1.8	2.6
2024/25	1000	4.0	3.2	5.0	8.9	6.6	12.7	73.8	69.1	76.5	2.2	1.9	2.6
Weighted Average		4.0			8.8			73.8			2.1		
Minimum		3.0			6.0			68.3			1.6		
Maximum		5.3			12.7			77.4			2.8		