

Table 8: Fatty acid profile results of a selection of cultivar samples per region from the 2020/21 season

Province	Locality	Region	Cultivar	g Fatty acids/100 g Fatty Acids																			
				C14:0	C16:0	C16:1	C17:0	C17:1	C18:0	C18:1 c	C18:2 c	C18:3n6	C18:3n3	C20:0	C20:1	C20:2	C21:0	C22:0	C22:1	C24:0	C24:1		
Free State	Bethlehem	25	DM 5953 RSF	ND	10.4	ND	LOQ	ND	5.89	22.31	51.3	ND	8.55	0.46	LOQ	LOQ	ND	0.41	ND	LOQ	ND		
			SSS 5052 (tuc)	ND	9.4	ND	LOQ	ND	5.38	21.42	52.9	ND	9.11	0.50	LOQ	LOQ	ND	0.50	ND	LOQ	ND		
			PAN 1521 R	ND	9.4	ND	LOQ	ND	6.22	21.98	51.8	ND	8.90	0.57	LOQ	LOQ	ND	0.49	ND	LOQ	ND		
			RA 660 R	ND	8.8	ND	LOQ	ND	5.22	20.34	54.7	ND	9.36	0.47	LOQ	LOQ	ND	0.49	ND	LOQ	ND		
			P61T38 R	ND	8.7	ND	LOQ	ND	5.49	20.07	54.5	ND	9.59	0.47	LOQ	LOQ	ND	0.53	ND	LOQ	ND		
			NS 6448 R	ND	9.6	ND	LOQ	ND	5.17	20.52	54.4	ND	8.74	0.45	LOQ	LOQ	ND	0.43	ND	LOQ	ND		
			<i>Min</i>	-	8.7	-	-	5.17	20.07	51.3	-	8.55	0.45	-	-	-	-	0.41	-	-	-	-	
			<i>Max</i>	-	10.4	-	-	6.22	22.31	54.7	-	9.59	0.57	-	-	-	-	0.53	-	-	-	-	
			<i>N</i>	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
			Mpumalanga	Marble Hill	33	DM 5953 RSF	ND	10.8	LOQ	LOQ	ND	5.74	26.99	48.7	ND	6.06	0.47	LOQ	LOQ	ND	0.43	ND	LOQ
SSS 5052 (tuc)	ND	10.8				LOQ	LOQ	ND	4.66	23.79	51.4	ND	7.36	0.51	LOQ	LOQ	ND	0.58	ND	LOQ	ND		
PAN 1521 R	ND	10.3				LOQ	LOQ	ND	5.35	24.14	51.5	ND	6.69	0.56	LOQ	LOQ	ND	0.59	ND	LOQ	ND		
RA 660 R	ND	10.0				ND	LOQ	ND	5.03	23.69	52.5	ND	6.83	0.52	LOQ	LOQ	ND	0.59	ND	LOQ	ND		
P61T38 R	ND	10.0				LOQ	LOQ	ND	5.20	22.33	53.4	ND	7.13	0.50	LOQ	LOQ	ND	0.53	ND	LOQ	ND		
NS 6448 R	LOQ	10.9				ND	LOQ	ND	5.48	23.38	51.7	ND	6.56	0.56	LOQ	LOQ	ND	0.55	ND	LOQ	ND		
<i>Min</i>	-	10.0				-	-	4.66	22.33	48.7	-	6.06	0.47	-	-	-	-	0.43	-	-	-	-	
<i>Max</i>	-	10.9				-	-	5.74	26.99	53.4	-	7.36	0.56	-	-	-	-	0.59	-	-	-	-	
<i>N</i>	6	6				6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
KwaZulu-Natal	Greytown	36				DM 5953 RSF	ND	10.4	LOQ	LOQ	ND	6.39	29.98	44.2	ND	7.30	0.54	LOQ	LOQ	ND	0.48	ND	LOQ
			SSS 5052 (tuc)	ND	10.4	LOQ	LOQ	ND	5.05	23.76	50.5	ND	8.41	0.54	LOQ	LOQ	ND	0.56	ND	LOQ	ND		
			PAN 1521 R	ND	10.0	LOQ	LOQ	ND	5.75	25.07	49.1	ND	8.21	0.58	LOQ	LOQ	ND	0.56	ND	LOQ	ND		
			RA 660 R	ND	9.7	ND	LOQ	ND	4.98	21.88	52.8	ND	8.84	0.49	LOQ	LOQ	ND	0.53	ND	LOQ	ND		
			P61T38 R	ND	9.9	LOQ	LOQ	ND	4.99	21.22	53.0	ND	9.17	0.47	LOQ	LOQ	ND	0.52	ND	LOQ	ND		
			NS 6448 R	ND	10.7	ND	LOQ	ND	4.77	19.86	54.6	ND	8.49	0.46	LOQ	LOQ	ND	0.46	ND	LOQ	ND		
			<i>Min</i>	-	9.7	-	-	4.77	19.86	44.2	-	7.30	0.46	-	-	-	-	0.46	-	-	-	-	
			<i>Max</i>	-	10.7	-	-	6.39	29.98	54.6	-	9.17	0.58	-	-	-	-	0.56	-	-	-	-	
			<i>N</i>	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
			RSA	<i>Min</i>	-	8.7	-	-	4.66	19.86	44.2	-	6.06	0.45	-	-	-	-	0.41	-	-	-	-
<i>Max</i>	-	10.9		-	-	6.39	29.98	54.7	-	9.59	0.58	-	-	-	-	0.59	-	-	-	-			
<i>N</i>	18	18		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18			

Note:
 Limit of detection (LOD) = 0.09 g Fatty acid/100 g Fatty acids
 Values below the limit of detection are reported as ND (not detected).
 Limit of quantitation (LOQ) = 0.28 g Fatty acid/100 g Fatty acids.
 Values below the limit of quantitation cannot be accurately quantified.