

Table 8: Fatty acid profile results per cultivar - 2023/24 season

Cultivar	Locality	Region	g Fatty acids/100 g Fatty Acids														
			C14:0	C16:0	C16:1	C17:0	C18:0	C18:1 cis	C18:1 n7	C18:2 cis	C18:3 n6	C18:3 n3	C20:0	C20:1	C20:2	C22:0	C24:0
DM 59160 RSF IPRO	Warrenton	11	LOQ	10.29	LOQ	LOQ	3.97	18.11	1.4	55.5	ND	9.4	0.344	LOQ	ND	0.394	LOQ
	Bethlehem PD1	25	LOQ	9.96	LOQ	LOQ	5.43	22.04	1.5	52.9	ND	6.50	0.507	0.189	ND	0.513	0.201
	Greytown Kranskop	36	LOQ	11.2	LOQ	LOQ	5.36	23.31	1.7	49.6	ND	7.1	0.503	0.166	ND	0.577	0.168
	Min		-	10.0	-	-	3.97	18.11	1.4	49.6	-	6.5	0.344	0.166	-	0.394	0.168
	Max		-	11.2	-	-	5.43	23.31	1.7	55.5	-	9.4	0.507	0.189	-	0.577	0.201
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
LG60261IPR	Warrenton	11	LOQ	11.0	LOQ	LOQ	4.30	18.27	1.3	53.8	ND	10.0	0.394	0.142	ND	0.415	LOQ
	Bethlehem PD1	25	LOQ	10.32	ND	LOQ	5.61	23.10	1.3	50.8	ND	7.1	0.567	0.201	ND	0.539	0.211
	Greytown Kranskop	36	LOQ	11.8	LOQ	LOQ	5.61	23.26	1.4	47.6	ND	8.5	0.577	0.176	ND	0.644	0.170
	Min		-	10.3	-	-	4.30	18.27	1.3	47.6	-	7.1	0.394	0.142	-	0.415	0.170
	Max		-	11.8	-	-	5.61	23.26	1.4	53.8	-	10.0	0.577	0.201	-	0.644	0.211
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
NS 5258 R	Warrenton	11	LOQ	10.49	ND	LOQ	4.90	17.89	1.2	55.4	ND	9.0	0.354	0.148	ND	0.340	LOQ
	Bethlehem PD1	25	LOQ	9.85	LOQ	LOQ	6.07	23.30	1.4	51.5	ND	6.37	0.476	0.197	ND	0.431	0.213
	Greytown Kranskop	36	LOQ	10.74	LOQ	LOQ	5.19	22.84	1.3	50.6	ND	8.0	0.386	0.159	ND	0.369	LOQ
	Min		-	9.85	-	-	4.90	17.89	1.2	50.6	-	6.37	0.354	0.148	-	0.340	-
	Max		-	10.74	-	-	6.07	23.30	1.4	55.4	-	9.0	0.476	0.197	-	0.431	0.213
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PAN 1521 R	Warrenton	11	LOQ	10.52	LOQ	LOQ	4.57	18.49	1.4	55.7	ND	8.1	0.399	0.147	ND	0.384	LOQ
	Bethlehem PD1	25	LOQ	9.93	LOQ	LOQ	6.15	22.39	1.4	52.1	ND	6.21	0.580	0.200	ND	0.524	0.210
	Greytown Kranskop	36	LOQ	11.2	LOQ	LOQ	4.93	23.10	1.5	49.7	ND	8.1	0.448	0.154	ND	0.454	LOQ
	Min		-	9.93	-	-	4.57	18.49	1.4	49.7	-	6.21	0.399	0.147	-	0.384	-
	Max		-	11.20	-	-	6.15	23.10	1.5	55.7	-	8.1	0.580	0.200	-	0.524	0.210
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RA 660 R	Warrenton	11	LOQ	9.61	LOQ	LOQ	4.61	20.31	1.3	54.4	ND	8.5	0.385	0.144	ND	0.390	LOQ
	Bethlehem PD1	25	LOQ	9.35	LOQ	LOQ	6.03	23.80	1.3	52.2	ND	5.49	0.564	0.210	ND	0.500	0.218
	Greytown Kranskop	36	LOQ	10.31	LOQ	LOQ	4.82	24.73	1.3	49.5	ND	7.9	0.427	0.155	ND	0.443	LOQ
	Min		-	9.35	-	-	4.61	20.31	1.3	49.5	-	5.49	0.385	0.144	-	0.390	-
	Max		-	10.3	-	-	6.03	24.73	1.3	54.4	-	8.5	0.564	0.210	-	0.500	0.218
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Y657	Warrenton	11	LOQ	11.2	LOQ	LOQ	4.56	17.48	1.3	54.8	ND	9.3	0.405	LOQ	ND	0.453	LOQ
	Bethlehem PD1	25	LOQ	10.75	LOQ	LOQ	5.60	22.32	1.3	51.7	ND	6.57	0.551	0.189	ND	0.555	0.206
	Greytown Kranskop	36	LOQ	11.7	LOQ	LOQ	5.33	22.13	1.4	49.6	ND	8.3	0.486	0.141	ND	0.506	LOQ
	Min		-	10.75	-	-	4.56	17.48	1.3	49.6	-	6.6	0.405	0.141	-	0.453	-
	Max		-	11.7	-	-	5.60	22.32	1.4	54.8	-	9.3	0.551	0.189	-	0.555	0.206
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RSA	Min		-	9.35	-	-	3.97	17.48	1.2	47.60	-	5.49	0.344	0.141	-	0.340	0.168
	Max		-	11.8	-	-	6.15	24.73	1.7	55.70	-	10.0	0.580	0.210	-	0.644	0.218
	N		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18

Note:
 All fatty acids marked with an asterisk (*) are not SANAS accredited.
 Limit of detection (LOD) = 0.06 g/100 g.
 Values below the limit of detection are reported as ND (not detected).
 Limit of quantitation (LOQ) = 0.14 g/100 g.
 Values below the limit of quantitation cannot be accurately quantified.