

**Table 8: Fatty acid profile results per cultivar - 2022/23 season**  
**g Fatty acids/100 g Fatty Acids**

Cultivar	Locality	Region	C14:0	C16:0	C16:1	C17:0	C18:0	C18:1 n7*	C18:2 cis	C18:3 n6	C18:3 n5	C18:3 n3	C20:0	C20:1	C20:2	C22:0	C24:0	Unknown 1	Unknown 2
DM 59160 RSF	Groblersdal	35	LOQ	10.71	LOQ	4.36	22.11	1.6	52.7	ND	ND	7.1	0.393	0.168	ND	0.458	LOQ	ND	ND
	Bethlehem	25	LOQ	10.0	LOQ	4.10	16.92	1.4	55.9	ND	ND	10.5	0.355	LOQ	ND	0.401	LOQ	ND	ND
	Greytown	36	LOQ	11.0	LOQ	3.71	20.81	1.5	53.1	ND	ND	8.5	0.339	0.150	ND	0.420	LOQ	ND	ND
	Min		-	10.0	-	3.71	16.92	1.4	52.7	-	-	7.1	0.339	0.150	-	0.401	-	-	-
	Max		-	11.0	-	4.36	22.11	1.6	55.9	-	-	10.5	0.393	0.168	-	0.458	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
LG60261PR	Groblersdal	35	LOQ	11.3	LOQ	4.99	24.04	1.3	49.3	ND	ND	7.5	0.480	0.165	ND	0.493	0.147	ND	ND
	Bethlehem	25	LOQ	10.5	LOQ	4.32	17.51	1.1	53.9	ND	ND	11.3	0.383	LOQ	ND	0.406	LOQ	ND	ND
	Greytown	36	LOQ	11.4	LOQ	3.95	20.32	1.3	52.4	ND	ND	9.4	0.377	0.155	ND	0.437	LOQ	ND	ND
	Min		-	10.5	-	3.95	17.51	1.1	49.3	-	-	7.5	0.377	0.155	-	0.406	-	-	-
	Max		-	11.4	-	4.99	24.04	1.3	53.9	-	-	11.3	0.480	0.165	-	0.493	0.147	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
NS 5258 R	Groblersdal	35	LOQ	10.79	LOQ	5.27	22.84	1.3	52.0	ND	ND	6.42	0.398	0.186	ND	0.392	0.142	ND	ND
	Bethlehem	25	LOQ	9.82	LOQ	5.53	20.37	1.3	53.7	ND	ND	8.1	0.394	0.157	ND	0.377	LOQ	ND	ND
	Greytown	36	LOQ	10.96	LOQ	4.47	20.40	1.2	54.0	ND	ND	7.7	0.329	0.167	ND	0.351	LOQ	ND	ND
	Min		-	9.82	-	4.47	20.37	1.2	52.0	-	-	6.42	0.329	0.157	-	0.351	-	-	-
	Max		-	10.96	-	5.53	22.84	1.3	54.0	-	-	8.1	0.398	0.186	-	0.392	0.142	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PAN 1521 R	Groblersdal	35	LOQ	10.91	LOQ	4.84	23.74	1.4	51.4	ND	ND	6.19	0.440	0.178	ND	0.448	LOQ	ND	ND
	Bethlehem	25	LOQ	10.47	LOQ	4.86	18.41	1.3	54.7	ND	ND	9.0	0.410	LOQ	ND	0.388	LOQ	ND	ND
	Greytown	36	LOQ	10.89	LOQ	3.86	21.70	1.4	53.2	ND	ND	7.7	0.346	0.171	ND	0.388	LOQ	ND	ND
	Min		-	10.47	-	3.86	18.41	1.3	51.4	-	-	6.19	0.346	0.171	-	0.388	-	-	-
	Max		-	10.91	-	4.86	23.74	1.4	54.7	-	-	9.0	0.440	0.178	-	0.448	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RA 660 R	Groblersdal	35	LOQ	10.3	LOQ	4.59	22.99	1.4	52.7	ND	ND	6.56	0.414	0.169	ND	0.471	LOQ	ND	ND
	Bethlehem	25	LOQ	9.56	LOQ	4.38	17.82	1.2	56.3	ND	ND	9.6	0.352	LOQ	ND	0.391	LOQ	ND	ND
	Greytown	36	LOQ	10.28	LOQ	3.70	22.39	1.3	53.2	ND	ND	7.9	0.332	0.159	ND	0.409	LOQ	ND	ND
	Min		-	9.56	-	3.70	17.82	1.2	52.7	-	-	6.56	0.332	0.159	-	0.391	-	-	-
	Max		-	10.3	-	4.59	22.99	1.4	56.3	-	-	9.6	0.414	0.169	-	0.471	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Y657	Groblersdal	35	LOQ	11.4	LOQ	5.18	21.96	1.4	51.5	ND	ND	7.0	0.475	0.157	ND	0.511	0.143	ND	ND
	Bethlehem	25	LOQ	10.77	LOQ	4.77	17.49	1.2	54.5	ND	ND	10.0	0.407	LOQ	ND	0.442	LOQ	ND	ND
	Greytown	36	LOQ	11.7	LOQ	4.10	19.91	1.3	53.2	ND	ND	8.5	0.378	0.153	ND	0.454	LOQ	ND	ND
	Min		-	10.77	-	4.10	17.49	1.2	51.5	-	-	7.0	0.378	0.153	-	0.442	-	-	-
	Max		-	11.7	-	5.18	21.96	1.4	54.5	-	-	10.0	0.475	0.157	-	0.511	0.143	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RSA	Min		-	9.56	-	3.70	16.92	1.1	49.31	-	-	6.19	0.329	0.150	-	0.351	-	-	-
	Max		-	11.7	-	5.53	24.04	1.6	56.28	-	-	11.3	0.480	0.186	-	0.511	0.147	-	-
	N		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	N		18	18	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) = 0.09 g Fatty acid/100 g Fatty acids.  
 Limit of quantitation (LOQ) = 0.28 g Fatty acid/100 g Fatty acids.  
 Values below the limit of detection are reported as ND (not detected).  
 Values below the limit of quantitation cannot be accurately quantified.