

Table 9: Fatty acid profile results per cultivar from the 2020/21 season

Cultivar	Locality	Region	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
DM 5953 RSF	Bethlehem	25	ND	10.4	LOQ	LOQ	LOQ	ND	6.39	29.98	44.2	ND	7.30	0.54	LOQ	ND	0.48	ND	LOQ	ND
	Marble Hall	33	ND	10.8	LOQ	LOQ	LOQ	ND	5.74	26.99	48.7	ND	6.06	0.47	LOQ	ND	0.43	ND	LOQ	ND
	Greytown	36	ND	10.4	ND	LOQ	LOQ	ND	5.89	22.31	51.3	ND	8.55	0.46	LOQ	ND	0.41	ND	LOQ	ND
	Min		-	10.4	-	-	-	-	5.74	22.31	44.2	-	6.06	0.46	-	-	0.41	-	-	-
	Max		-	10.8	-	-	-	-	6.39	29.98	51.3	-	8.55	0.54	-	-	0.48	-	-	-
NS 6448 R	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Bethlehem	25	ND	10.7	ND	LOQ	LOQ	ND	4.77	19.86	54.6	ND	8.49	0.46	LOQ	ND	0.46	ND	LOQ	ND
	Marble Hall	33	LOQ	10.9	ND	LOQ	LOQ	ND	5.48	23.38	51.7	ND	6.56	0.56	LOQ	ND	0.55	ND	LOQ	ND
	Greytown	36	ND	9.6	ND	LOQ	LOQ	ND	5.17	20.52	54.4	ND	8.74	0.45	LOQ	ND	0.43	ND	LOQ	ND
	Min		-	9.6	-	-	-	-	4.77	19.86	51.7	-	6.56	0.45	-	-	0.43	-	-	-
P61T38 R	Max		-	10.9	-	-	-	-	5.48	23.38	54.6	-	8.74	0.56	-	-	0.55	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Bethlehem	25	ND	9.9	LOQ	LOQ	LOQ	ND	4.99	21.22	53.0	ND	9.17	0.47	LOQ	ND	0.52	ND	LOQ	ND
	Marble Hall	33	ND	10.0	LOQ	LOQ	LOQ	ND	5.20	22.33	53.4	ND	7.13	0.50	LOQ	ND	0.53	ND	LOQ	ND
	Greytown	36	ND	8.7	ND	LOQ	LOQ	ND	5.49	20.07	54.5	ND	9.59	0.47	LOQ	ND	0.53	ND	LOQ	ND
PAN 1521 R	Min		-	8.7	-	-	-	-	4.99	20.07	53.0	-	7.13	0.47	-	-	0.52	-	-	-
	Max		-	10.0	-	-	-	-	5.49	22.33	54.5	-	9.59	0.50	-	-	0.53	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Bethlehem	25	ND	10.0	LOQ	LOQ	LOQ	ND	5.75	25.07	49.1	ND	8.21	0.58	LOQ	ND	0.56	ND	LOQ	ND
	Marble Hall	33	ND	10.3	LOQ	LOQ	LOQ	ND	5.35	24.14	51.5	ND	6.69	0.56	LOQ	ND	0.59	ND	LOQ	ND
RA 660 R	Greytown	36	ND	9.4	ND	LOQ	LOQ	ND	6.22	21.98	51.8	ND	8.90	0.57	LOQ	ND	0.49	ND	LOQ	ND
	Min		-	9.4	-	-	-	-	5.35	21.98	49.1	-	6.69	0.56	-	-	0.49	-	-	-
	Max		-	10.3	-	-	-	-	6.22	25.07	51.8	-	8.90	0.58	-	-	0.59	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Bethlehem	25	ND	9.7	ND	LOQ	LOQ	ND	4.98	21.88	52.8	ND	8.84	0.49	LOQ	ND	0.53	ND	LOQ	ND
Marble Hall	33	ND	10.0	ND	LOQ	LOQ	ND	5.03	23.69	52.5	ND	6.83	0.52	LOQ	ND	0.59	ND	LOQ	ND	
Greytown	36	ND	8.8	ND	LOQ	LOQ	ND	5.22	20.34	54.7	ND	9.36	0.47	LOQ	ND	0.49	ND	LOQ	ND	
Min		-	8.8	-	-	-	-	4.98	20.34	52.5	-	6.83	0.47	-	-	0.49	-	-	-	
Max		-	10.0	-	-	-	-	5.22	23.69	54.7	-	9.36	0.52	-	-	0.59	-	-	-	
N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Cultivar		Locality	Region	g Fatty acids/100 g Fatty Acids (continue)																		
				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	
SSS 5052 (tuc)	Bethlehem	25	ND	10.4	LOQ	LOQ	LOQ	ND	5.05	23.76	50.5	ND	8.41	0.54	LOQ	LOQ	ND	0.56	ND	LOQ	ND	
	Marble Hill	33	ND	10.8	LOQ	LOQ	LOQ	ND	4.66	23.79	51.4	ND	7.36	0.51	LOQ	LOQ	ND	0.58	ND	LOQ	ND	
	Greytown	36	ND	9.4	ND	ND	LOQ	ND	5.38	21.42	52.9	ND	9.11	0.50	LOQ	LOQ	ND	0.50	ND	LOQ	ND	
	Min		-	9.4	-	-	-	-	4.66	21.42	50.5	-	7.36	0.50	-	-	-	0.50	-	-	-	-
	Max		-	10.8	-	-	-	-	5.38	23.79	52.9	-	9.11	0.54	-	-	-	0.58	-	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RSA	Min		-	8.7	-	-	-	-	4.66	19.86	44.2	-	6.06	0.45	-	-	-	0.41	-	-	-	-
	Max		-	10.9	-	-	-	-	6.39	29.98	54.7	-	9.59	0.58	-	-	-	0.59	-	-	-	-
	N		18	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.