

Table 9: Fatty acid profile results per cultivar from the 2019/20 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	10.2	ND	<LOQ	ND	5.82	20.69	51.4	ND	10.47	0.54	<LOQ	ND	ND	0.439	ND	<LOQ	ND
	Marble Hall	33	ND	11.2	<LOQ	<LOQ	ND	5.77	26.35	48.8	ND	6.36	0.50	<LOQ	ND	ND	0.371	ND	<LOQ	ND
	Greytown	36	ND	10.7	<LOQ	<LOQ	ND	6.12	26.91	47.4	ND	7.35	0.51	<LOQ	ND	ND	0.50	ND	<LOQ	ND
	Min		-	10.2	-	-	-	5.77	20.69	47.4	-	6.36	0.50	-	-	-	0.371	-	-	-
	Max		-	11.2	-	-	-	6.12	26.91	51.4	-	10.47	0.54	-	-	-	0.50	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
LDC 5.3	Bethlehem	25	ND	9.9	ND	<LOQ	ND	4.94	18.74	54.5	ND	10.61	0.53	<LOQ	ND	ND	0.46	ND	<LOQ	ND
	Marble Hall	33	ND	11.2	ND	<LOQ	ND	5.59	25.26	49.7	ND	6.51	0.62	<LOQ	ND	ND	0.50	ND	<LOQ	ND
	Greytown	36	ND	11.0	ND	<LOQ	ND	5.19	21.83	52.9	ND	7.81	0.53	<LOQ	ND	ND	0.360	ND	<LOQ	ND
	Min		-	9.9	-	-	-	4.94	18.74	49.7	-	6.51	0.53	-	-	-	0.360	-	-	-
	Max		-	11.2	-	-	-	5.59	25.26	54.5	-	10.61	0.62	-	-	-	0.50	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
SSS 5052 (tuc)	Bethlehem	25	ND	9.1	ND	<LOQ	ND	5.16	19.93	53.7	ND	10.71	0.54	<LOQ	ND	ND	0.49	ND	<LOQ	ND
	Marble Hall	33	ND	10.7	ND	<LOQ	ND	4.91	23.76	51.4	ND	7.55	0.54	<LOQ	ND	ND	0.49	ND	<LOQ	ND
	Greytown	36	ND	10.5	<LOQ	<LOQ	ND	5.07	24.02	51.0	ND	7.90	0.52	<LOQ	ND	ND	0.47	ND	<LOQ	ND
	Min		-	9.1	-	-	-	4.91	19.93	51.0	-	7.55	0.52	-	-	-	0.47	-	-	-
	Max		-	10.7	-	-	-	5.16	24.02	53.7	-	10.71	0.54	-	-	-	0.49	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PAN 1521 R	Bethlehem	25	ND	9.5	ND	ND	ND	5.44	20.03	52.5	ND	11.14	0.56	<LOQ	ND	ND	0.49	ND	<LOQ	ND
	Marble Hall	33	ND	10.6	ND	ND	ND	5.73	24.33	50.7	ND	7.03	0.61	<LOQ	ND	ND	0.50	ND	<LOQ	ND
	Greytown	36	ND	10.2	ND	ND	ND	5.91	23.80	51.1	ND	7.53	0.58	<LOQ	ND	ND	0.46	ND	<LOQ	ND
	Min		-	9.5	-	-	-	5.44	20.03	50.7	-	7.03	0.56	-	-	-	0.46	-	-	-
	Max		-	10.6	-	-	-	5.91	24.33	52.5	-	11.14	0.61	-	-	-	0.50	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
P61T38R	Bethlehem	25	ND	8.5	ND	ND	ND	5.13	18.71	54.7	ND	11.65	0.51	<LOQ	ND	ND	0.56	ND	<LOQ	ND
	Marble Hall	33	ND	10.5	ND	<LOQ	ND	5.38	24.70	50.6	ND	7.10	0.56	<LOQ	ND	ND	0.50	ND	<LOQ	ND
	Greytown	36	ND	9.9	<LOQ	<LOQ	ND	5.19	22.48	52.5	ND	8.36	0.52	<LOQ	ND	ND	0.48	ND	<LOQ	ND
	Min		-	8.5	-	-	-	5.13	18.71	50.6	-	7.10	0.51	-	-	-	0.48	-	-	-
	Max		-	10.5	-	-	-	5.38	24.70	54.7	-	11.65	0.56	-	-	-	0.56	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
NS 6448 R	Bethlehem	25	ND	9.2	ND	<LOQ	ND	5.21	19.61	54.0	ND	10.62	0.51	<LOQ	ND	ND	0.435	ND	<LOQ	ND
	Marble Hall	33	ND	11.0	ND	<LOQ	ND	5.58	24.89	50.2	ND	6.63	0.57	<LOQ	ND	ND	0.47	ND	<LOQ	ND
	Greytown	36	ND	10.7	ND	<LOQ	ND	5.27	21.40	53.3	ND	7.89	0.53	<LOQ	ND	ND	0.428	ND	<LOQ	ND
	Min		-	9.2	-	-	-	5.21	19.61	50.2	-	6.63	0.51	-	-	-	0.428	-	-	-
	Max		-	11.0	-	-	-	5.58	24.89	54.0	-	10.62	0.57	-	-	-	0.47	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Table 9: Fatty acid profile results per cultivar from the 2019/20 season
g Fatty acids/100 g Fatty Acids (continue)

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
LS 6868 R	Bethlehem	25	ND	8.7	ND	ND	ND	4.19	19.99	55.1	ND	10.87	0.46	<LOQ	ND	ND	0.434	ND	<LOQ	ND
	Marble Hill	33	ND	10.5	ND	<LOQ	ND	4.82	28.09	48.6	ND	6.26	0.56	<LOQ	ND	ND	0.53	ND	<LOQ	ND
	Greytown	36	ND	10.3	ND	<LOQ	ND	4.46	23.73	52.4	ND	7.69	0.48	<LOQ	ND	ND	0.430	ND	<LOQ	ND
RSA	Min		-	8.7	-	-	-	4.19	19.99	48.6	-	6.26	0.46	-	-	-	0.430	-	-	-
	Max		-	10.5	-	-	-	4.82	28.09	55.1	-	10.87	0.56	-	-	-	0.53	-	-	-
	N		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RSA	Min		-	8.5	-	-	-	4.19	18.71	47.4	-	6.26	0.46	-	-	-	0.360	-	-	-
	Max		-	11.2	-	-	-	6.12	28.09	55.1	-	11.65	0.62	-	-	-	0.56	-	-	-
	N		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21

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.

