Table 6: Fatty acid profile results of a selection of crop quality samples from the 2021/22 season

Province	Region	g Fatty acids/100 g Fatty Acids																							
		C14:0	C16:0	C16:1	C17:0	C17:1	C18:0	C18:1 t	C18:1 c	C18:1n7	C18:2 t	C18:2 c	C18:3n6	C18:3n5	C18:3n3	C20:0	C20:1	C20.2	C20.5	C21:0	C22:0	C22:1	C24:0	C24:1	Unknown
North West	12	ND	5.53	ND	ND	ND	4.38	ND	19.56	0.56	ND	67.7	ND	ND	LOQ	0.413	LOQ	ND	LOQ	ND	0.96	ND	0.31	ND	LOQ
	13	ND	5.57	ND	ND	ND	5.76	ND	15.84	0.48	ND	69.8	ND	ND	LOQ	0.456	LOQ	ND	LOQ	ND	1.06	ND	0.32	ND	LOQ
	14	ND	5.33	ND	ND	ND	5.97	ND	16.30	0.48	ND	69.4	ND	ND	LOQ	0.440	LOQ	ND	LOQ	ND	0.95	ND	LOQ	ND	LOQ
	14	ND	5.71	ND	ND	ND	3.98	ND	20.23	0.56	ND	67.1	ND	ND	LOQ	0.381	LOQ	ND	LOQ	ND	0.97	ND	0.33	ND	LOQ
	17	ND	5.47	ND	ND	ND	4.79	ND	18.79	0.51	ND	68.2	ND	ND	LOQ	0.416	LOQ	ND	LOQ	ND	0.88	ND	LOQ	ND	LOQ
	18	ND	5.38	ND	ND	ND	4.32	ND	21.33	0.52	ND	66.0	ND	ND	LOQ	0.395	LOQ	ND	LOQ	ND	0.97	ND	0.32	ND	LOQ
	19	ND	5.51	ND	ND	ND	5.35	ND	16.44	0.51	ND	69.6	ND	ND	LOQ	0.443	LOQ	ND	LOQ	ND	1.08	ND	0.291	ND	LOQ
	19	ND	5.84	ND	ND	ND	5.20	ND	15.35	0.55	ND	70.6	ND	ND	LOQ	0.448	LOQ	ND	LOQ	ND	1.06	ND	0.297	ND	LOQ
	20	ND	5.54	ND	ND	ND	5.60	ND	15.48	0.57	ND	70.2	ND	ND	LOQ	0.454	LOQ	ND	LOQ	ND	1.03	ND	0.290	ND	LOQ
	Min	-	*5.33*	-	-	-	*3.98*	-	*15.35*	*0.48*	-	*66.0*	-	-	-	*0.381*	-	-	-	-	*0.88*	-	*0.290*	-	-
	Max	-	*5.84*	-	-	-	*5.97*	-	*21.33*	*0.57*	-	*70.6*	-	-	-	*0.456*	-	-	-	-	*1.08*	-	*0.33*	-	-
	N	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*	*9*
Free State	21	ND	5.66	ND	ND	ND	5.61	ND	15.55	0.50	ND	70.2	ND	ND	LOQ	0.442	LOQ	ND	LOQ	ND	1.02	ND	LOQ	ND	LOQ
	22	ND	4.94	ND	ND	ND	6.58	ND	15.19	0.52	ND	70.1	ND	ND	LOQ	0.51	LOQ	ND	LOQ	ND	1.05	ND	0.285	ND	LOQ
	23	ND	5.46	ND	ND	ND	6.21	ND	14.63	0.50	ND	70.7	ND	ND	LOQ	0.468	LOQ	ND	LOQ	ND	1.06	ND	LOQ	ND	LOQ
	24	ND	5.28	ND	ND	ND	5.59	ND	17.90	0.49	ND	68.2	ND	ND	LOQ	0.436	LOQ	ND	LOQ	ND	0.96	ND	LOQ	ND	LOQ
	24	ND	4.84	ND	LOQ	ND	8.33	ND	14.09	0.44	ND	69.7	ND	ND	LOQ	0.55	LOQ	ND	LOQ	ND	1.00	ND	LOQ	ND	LOQ
	26	ND	5.64	ND	ND	ND	6.77	ND	15.26	0.54	ND	69.2	ND	ND	LOQ	0.58	LOQ	ND	LOQ	ND	1.13	ND	0.282	ND	LOQ
	28	ND	5.69	ND	ND	ND	5.98	ND	14.95	0.53	ND	70.4	ND	ND	LOQ	0.467	LOQ	ND	ND	ND	1.04	ND	LOQ	ND	LOQ
	Min	-	*4.84*	-	-	-	*5.59*	-	*14.09*	*0.44*	-	*68.2*	-	-	-	*0.436*	-	-	-	-	*0.96*	-	*0.282*	-	-
	Max	-	*5.69*	-	-	-	*8.33*	-	*17.90*	*0.54*	-	*70.7*	-	-	-	*0.58*	-	-	-	-	*1.13*	-	*0.285*	-	-
	N	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*	*7*
Mpumalanga	29	ND	5.67	ND	ND	ND	4.89	ND	19.92	0.53	ND	66.4	ND	ND	LOQ	0.439	LOQ	ND	LOQ	ND	1.03	ND	0.294	ND	LOQ
	29	ND	5.20	ND	ND	ND	5.75	ND	16.83	0.49	ND	69.2	ND	ND	LOQ	0.468	LOQ	ND	LOQ	ND	1.06	ND	0.292	ND	LOQ
	33	ND	5.89	ND	ND	ND	4.98	ND	20.36	0.59	ND	65.6	ND	ND	LOQ	0.438	LOQ	ND	LOQ	ND	1.05	ND	LOQ	ND	LOQ
	Min	-	*5.20*	-	-	-	*4.89*	-	*16.83*	*0.49*	-	*65.6*	-	-	-	*0.438*	-	-	-	-	*1.03*	-	*0.282*	-	-
	Max	-	*5.89*	-	-	-	*5.75*	-	*20.36*	*0.59*	-	*69.2*	-	-	-	*0.468*	-	-	-	-	*1.06*	-	*0.294*	-	-
	N	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*
Gauteng	34	ND	5.21	ND	ND	ND	5.64	ND	17.95	0.53	ND	68.1	ND	ND	LOQ	0.47	LOQ	ND	LOQ	ND	1.11	ND	0.281	ND	LOQ
Limpopo	35	ND	5.64	LOQ	ND	ND	3.88	ND	28.43	0.72	ND	58.8	ND	ND	ND	0.349	LOQ	ND	0.31	ND	0.83	ND	0.293	ND	0.30
	35	ND	5.39	ND	ND	ND	6.28	ND	15.32	0.53	ND	69.9	ND	ND	LOQ	0.485	LOQ	ND	LOQ	ND	1.00	ND	LOQ	ND	LOQ
	Min	-	*5.39*	-	-	-	*3.88*	-	*15.32*	*0.53*	-	*58.8*	-	-	-	*0.349*	-	-	-	-	*0.83*	-	*0.293*	-	*0.30*
	Max	-	*5.64*	-	-	-	*6.28*	-	*28.43*	*0.72*	-	*69.9*	-	-	-	*0.485*	-	-	*0.31*	-	*1.00*	-	-	-	-
	N	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*	*2*
RSA	*Min*	-	*4.84*	-	-	-	*3.88*	-	*14.09*	*0.44*	-	*58.8*	-	-	-	*0.349*	-	-	-	-	*0.83*	-	*0.282*	-	-
	Max	-	*5.89*	-	-	-	*8.33*	-	*28.43*	*0.72*	-	*70.6*	-	-	-	*0.58*	-	-	*0.31*	-	*1.13*	-	*0.33*	-	*0.30*
	N	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*	*22*

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.