



Quality of Flaxseed Varieties from 2010 Harvest Sample Program
1CW Composites

Variety ¹	No. of Samples	Oil	Protein	FFA ⁴	Iodine Value ⁵	Fatty Acid Composition ⁶				
		Content ²	Content ³			C16:0	C18:0	C18:1	C18:2	C18:3
		%	%			%	%	%	%	%
Manitoba										
CDC Bethune	31	44.4	21.9	0.34	188	5.2	3.4	19.8	15.6	55.1
CDC Sorrel	16	44.6	21.2	0.20	191	5.3	3.5	19.5	13.4	57.5
Hanley	8	43.6	23.0	0.20	197	5.6	2.7	14.5	16.9	59.4
Means	55	44.2	22.0	0.25	192	5.4	3.2	17.9	15.3	57.3
Saskatchewan										
CDC Bethune	69	45.2	20.7	0.17	193	5.0	3.4	17.3	15.9	57.5
CDC Sorrel	44	45.0	19.8	0.19	199	5.2	3.1	15.5	14.1	61.5
Taurus	8	44.8	21.2	0.13	192	5.5	2.8	18.8	14.9	57.2
Vimy	24	45.5	20.3	0.14	197	5.6	3.1	14.8	15.4	60.3
Means	145	45.1	20.5	0.16	195	5.3	3.1	16.6	15.1	59.1

¹ as indicated on submitted envelopes

² moisture-free basis

³ %N x 6.25; moisture-free basis

⁴ % free fatty acids in oil, expressed as percentage oleic acid

⁵ calculated from fatty acid composition

⁶ % of fatty acids including: Palmitic (C16:0), Stearic (C18:0), Oleic (C18:1), Linoleic (C18:2), and Linolenic (C18:3) Arachidic (C20:0), Eicosenoic (C20:1), Behenic (C22:0), and Lignoceric (C24:0)