Table 1. Effect on SOC of converting native land to agricultural. VandenBygaart et al. 2003. Influence of agricultural management on soil organic carbon: A compendium and assessment of Canadian studies. Can. J. Soil Sci. 83:363-380.

Location (by province from west to east)	MAP (mm)	MAT °C	Soil Great Group[z]/ Soil Type	Textural Class	Relative Treatment	Depth of sampling (cm) or horizon	Years since conversion	Δ Soil C (%)	Reference
72 farms in AB	n/a[x]	n/a	Variable	Variable	Native conversion	n/a	Variable	-24%	**Reinl 1984**
AB, SK and MB	n/a	n/a	BC	Variable	Grassland conversion	30	Variable	-21%	**Newton et al. 1945**
AB, SK and MB	n/a	n/a	DBC	Variable	Grassland conversion	30	Variable	-22%	Newton et al. 1945
AB, SK and MB	n/a	n/a	BlC	Variable	Grassland conversion	30	Variable	-18%	Newton et al. 1945
AB, SK and MB	n/a	n/a	DGC	Variable	Grassland conversion	30	Variable	-27%	Newton et al. 1945
SK	n/a	n/a	BlC	SiL	Grassland conversion	A horizon	60	-32%	**Tiessen et al. 1982**
SK	n/a	n/a	BlC	SiL	Grassland conversion	A horizon	90	-58%	Tiessen et al. 1982
SK	n/a	n/a	DBC	C	Grassland conversion	A horizon	70	-37%	Tiessen et al. 1982
SK	n/a	n/a	DBC	SL	Grassland conversion	A horizon	65	-46%	Tiessen et al. 1982
central SK	n/a	n/a	Luvisolic	n/a	Forest conversion	45	<=20	-11%	**Pennock and van Kessel 1997**
central SK	n/a	n/a	Brunisolic	n/a	Forest conversion	45	<=20	-36%	Pennock and van Kessel 1997
central SK	n/a	n/a	BlC	SiCL	Grassland conversion	45	>70	-15%	Pennock and van Kessel 1997
central SK	n/a	n/a	BlC	CL	Grassland conversion	45	>70	-35%	Pennock and van Kessel 1997
central SK	n/a	n/a	BlC	LS	Grassland conversion	45	>70	11%	Pennock and van Kessel 1997
Matador, SK	n/a	n/a	BC	C	Grassland conversion	10	20	-19%	**Martel and Paul 1974**
Quinton, SK	n/a	n/a	BlC	L	Grassland conversion	10	15	-35%	Martel and Paul 1974
Quinton, SK	n/a	n/a	BlC	L	Grassland conversion	12	60	-59%	Martel and Paul 1974
Hafford, SK	n/a	n/a	BlC	L	Grassland conversion	10	30	-33%	Martel and Paul 1974
Swift Current, SK	358	3.5	BC	CL	Grassland conversion	12	14	-27%	**Doughty et al. 1954**
Swift Current, SK	358	3.5	BC	CL	Grassland conversion	12	14	-24%	Doughty et al. 1954
Swift Current, SK	358	3.5	BC	C	Grassland conversion	12	12	-17%	Doughty et al. 1954
Bond Head, ON	1083	5	GBL	SiL	Forest conversion	A horizon	68	-24%	**Ellert and Gregorich 1996**
C. Blondeau, ON	1176	4.9	HFP	S	Forest conversion	A horizon	25	-20%	Ellert and Gregorich 1996
Delhi, ON	1009	7.8	GBL	S	Forest conversion	A horizon	n/a	-55%	Ellert and Gregorich 1996
Edwards, ON	915	5.8	MB	SiL	Forest conversion	A horizon	n/a	-68%	Ellert and Gregorich 1996
Exeter, ON	985	7.3	GBL	SiL	Forest conversion	A horizon	170	-38%	Ellert and Gregorich 1996
Fonthill, ON	936	7.4	GBL	SiCL	Forest conversion	A horizon	195	-23%	Ellert and Gregorich 1996
Highgate, ON	824	8	HG	SCL	Forest conversion	A horizon	n/a	-8%	Ellert and Gregorich 1996
Kapuskasing, ON	861	0.5	MB	SiCL	Forest conversion	A horizon	53	-4%	Ellert and Gregorich 1996
Kemptville, ON	996	5.8	MB	SL	Forest conversion	A horizon	n/a	-30%	Ellert and Gregorich 1996
Panmure, ON	776	6	HG	SL	Forest conversion	A horizon	145	-24%	Ellert and Gregorich 1996
Plainfield, ON	852	7.5	GBL	SiCL	Forest conversion	A horizon	91	-40%	Ellert and Gregorich 1996
Ste. Anne, ON	836	8.6	MB	SiL	Forest conversion	A horizon	85	-34%	Ellert and Gregorich 1996
Vineland, ON	836	8.6	GBL	SL	Forest conversion	A horizon	145	-29%	Ellert and Gregorich 1996
Winchester, ON	996	5.8	HG	SiCL	Forest conversion	A horizon	105	-49%	Ellert and Gregorich 1996
Woodslee, ON	875	8.7	HG	C	Forest conversion	A horizon	n/a	-47%	Ellert and Gregorich 1996
Ottawa, ON	846	5.9	MB	SL	Forest conversion	30	>35	21%	**Coote and Ramsey 1983**
Ottawa, ON	846	5.9	MB	LS	Forest conversion	30	>35	-6%	Coote and Ramsey 1983
Ottawa, ON	846	5.9	HG	C	Forest conversion	30	>35	-15%	Coote and Ramsey 1983
Ottawa, ON	846	5.9	MB	C	Forest conversion	30	>35	-12%	Coote and Ramsey 1983
Ste-Anne-de-Bellevue, QC	1020	6	Gleysolic	C	Forest conversion	approx. 25	n/a	24%	**Carter et al. 1998**
Beauce, QC	1008	4	Brunisolic	CL	Forest conversion	approx. 25	n/a	31%	Carter et al. 1998
Lennoxville, QC	1058	5.2	Brunisolic	L	Forest conversion	approx. 25	n/a	19%	Carter et al. 1998
La Pocatiere, QC	967	4.2	Podzolic	SCL	Forest conversion	approx. 25	n/a	-54%	Carter et al. 1998
Isle aux Coudes, QC	n/a	n/a	HG	CL	Grassland conversion	A and B horizon	n/a	-33%	**Martel and Deschenes 1976**
Charlevoix, QC	n/a	n/a	HFP	SL	Grassland conversion	A and B horizon	n/a	-30%	Martel and Deschenes 1976
Cantonsde l'Est, QC	n/a	n/a	HFP	SiL	Grassland conversion	A and B horizon	n/a	-36%	Martel and Deschenes 1976
Harrington, PEI	1077	5.9	Podzolic	FSL	Forest conversion	approx. 25	n/a	-11%	**Carter et al. 1998**
Kelvin Grove, PEI	1000	5.7	Podzolic	FSL	Forest conversion	approx. 25	n/a	-29%	Carter et al. 1998
Mt. Herbert, PEI	1077	5.9	Podzolic	FSL	Forest conversion	approx. 25	n/a	-11%	Carter et al. 1998
Eastern Canada[w]								-22+/- 8.8%	
Western Canada[w]								-28 +/- 6.7%	
Canada								-24 +/- 6%	

[z] GBL = Gray-Brown Luvisol, HFP = Humo-Ferric Podzol, MB = Melanic Brunisol, HG = Humic Gleysol, BC = Brown Chernozem, DBC = Dark Brown Chernozem, BlC = Black Chernozem, DGC = Dark Gray Chernozem

[y] MAP = mean annual precipitation, MAT = mean annual temperature

[x] not applicable or not available

[w] Ontario-Manitoba border as boundary between eastern and western Canada