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Changes in soil organic carbon (SOC) in European tillage experiment

Reference	Experimental site	Treatment	Duration (y)	%SOC ¹	Depth (cm)	Percentage difference due to treatment	Percentage difference per year
Powlson & Jenkinson (1981)	Rothamsted, UK	Conventional tillage	5	2.14	25.0 ²	-0.93	-0.19
Powlson & Jenkinson (1981)	Rothamsted, UK	No-till	5	2.12	21.1 ²		
Powlson & Jenkinson (1981)	Boxworth, UK	Conventional tillage	6	2.19	25.0 ²	5.94	0.99
Powlson & Jenkinson (1981)	Boxworth, UK	No-till	6	2.32	20.5 ²		
Powlson & Jenkinson (1981)	Headley Hall I, UK	Conventional tillage	8	1.57	25.0 ²	3.82	0.48
Powlson & Jenkinson (1981)	Headley Hall I, UK	No-till	8	1.63	23.7 ²		
Powlson & Jenkinson (1981)	Penicuik I, UK	Conventional tillage	10	4	25.0 ²	-1.5	-0.15
Powlson & Jenkinson (1981)	Penicuik I, UK	No-till	10	3.94	21.1 ²		
Tomlinson (1974); Cannell & Finney (1973)	Jealott's Hill, UK	Conventional tillage	2	4.22	20	1.66	0.83
Tomlinson (1974); Cannell & Finney (1973)	Jealott's Hill, UK	No-till	2	4.29			
Chaney <i>et al.</i> (1985)	Headley Hall II, UK	Conventional tillage	8	1.52	20	9.21	1.15
Chaney <i>et al.</i> (1985)	Headley Hall II, UK	No-till	8	1.66			
Ball <i>et al.</i> (1994)	Penicuik II, UK	Conventional tillage	23	3.15	18	9.52	0.41
Ball <i>et al.</i> (1994)	Penicuik II, UK	No-till	23	3.45			
Buhtz <i>et al.</i> (1970)	Müncheberg, Germany	Conventional tillage	4	0.43	25	-2.33	-0.58
Buhtz <i>et al.</i> (1970)	Müncheberg, Germany	No-till	4	0.42			
Buhtz <i>et al.</i> (1970)	Seehausen, Germany	Conventional tillage	4	1.15	25	6.09	1.52
Buhtz <i>et al.</i> (1970)	Seehausen, Germany	No-till	4	1.22			
Buhtz <i>et al.</i> (1970)	Trossin, Germany	Conventional tillage	4	0.63	25	4.76	1.19
Buhtz <i>et al.</i> (1970)	Trossin, Germany	No-till	4	0.66			
Buhtz <i>et al.</i> (1970)	Kotschau, Germany	Conventional tillage	4	1.42	25	2.82	0.7
Buhtz <i>et al.</i> (1970)	Kotschau, Germany	No-till	4	1.46			
Fleige & Baeumer (1974)	Göttingen I, Germany	Conventional tillage	5	0.86	30	10.59	2.12
Fleige & Baeumer (1974)	Göttingen I, Germany	No-till	5	0.95			
Fleige & Baeumer (1974)	Göttingen II, Germany	Conventional tillage	5	1.12	30	7.14	1.43
Fleige & Baeumer (1974)	Göttingen II, Germany	No-till	5	1.2			
Fleige & Baeumer (1974)	Göttingen III, Germany	Conventional tillage	6	1.04	30	1.92	0.32
Fleige & Baeumer (1974)	Göttingen III, Germany	No-till	6	1.06			

¹After correction for differences in bulk density where appropriate

²Sampled to equivalent depths (i.e., the depth containing the same weight of dry soil) to account for differences in soil bulk density