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## A - Papers appearing in refereed journals

Prout, J. M., Shepherd, K. D., McGrath, S. P., Kirk, G. J. D. and Haefele, S. M. 2020. What is a good level of soil organic matter? An index based on organic carbon to clay ratio. *European Journal of Soil Science*. pp. 1-11.

The publisher's version can be accessed at:

- https://dx.doi.org/10/1111/ejss.13012
- https://onlinelibrary.wiley.com/doi/10.1111/ejss.13012

The output can be accessed at: <a href="https://repository.rothamsted.ac.uk/item/98166/what-is-a-good-level-of-soil-organic-matter-an-index-based-on-organic-carbon-to-clay-ratio">https://repository.rothamsted.ac.uk/item/98166/what-is-a-good-level-of-soil-organic-matter-an-index-based-on-organic-carbon-to-clay-ratio</a>.

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**TABLE S2** Mean clay content and mean soil organic carbon content for each treatment of the Woburn Organic Manuring experiment (mean of four blocks).

Treatmenta	Clay (g kg-1)	Soil organic carbon from indicated years (g kg <sup>-1</sup> )							
		1964	1968	1971	1975-6	1978-9	1980-1	1986-7	1995
GmLc	10.40	0.76	0.84	0.89	0.81	0.74	0.77	0.88	0.80
LnLC	10.28	0.81	0.91	0.96	0.96	0.88	0.87	0.95	0.90
PtLc	9.68	0.75	0.96	1.35	1.26	1.06	1.13	1.18	1.06
Dg	9.65	0.73	0.88	1.03	0.94	0.86	0.86	1.07	0.99
Fd	9.98	0.74	0.74	0.72	0.72	0.68	0.70	0.66	0.70
Fs	9.83	0.76	0.73	0.71	0.75	0.71	0.72	0.66	0.70
Lc	10.88	0.77	0.92	0.94	0.90	0.84	0.84	0.93	0.85
St	11.28	0.83	0.87	0.95	0.89	0.83	0.82	0.86	0.83

<sup>&</sup>lt;sup>a</sup> Treatment cycles were from 1965 to 1972 (1<sup>st</sup> cycle) and 1979 to 1987 (2<sup>nd</sup> cycle): GmLc = 1<sup>st</sup> cycle: green manuring, 2<sup>nd</sup> cycle: grass/clover ley; LnLc = 1<sup>st</sup> cycle: grass ley + nitrogen, 2<sup>nd</sup> cycle: grass/clover ley; PtLc = 1<sup>st</sup> cycle: peat, 2<sup>nd</sup> cycle: grass/clover ley; Dg = dung (farmyard manure); Fd = inorganic fertiliser (PKMg) equivalent to manuring; Fs = inorganic fertiliser (PKMg) equivalent to straw plus supplementary P; Lc = grass/clover ley; St = straw. (Full details of experiment: Mattingly, 1974).