



SOIL *life* ORGANIC MATTER



Report No: 64183
Prepared for: Baston Fen Farm
Date: 01/01/2020
Field Reference: North Field
Sample Depth: 75/300 mm

COMPARISON VALUES (LOI, last 3 years)

County	3.1%
Region	3.7%
Country	4.2%

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LAB REF. NO	FIELD NAME	OM (LOI) %W/W	INDEX	OM (DUMAS) %	INDEX
444657	Cadwell Covet & Long	4.8	Normal	3.1	Normal
444665	Copse Field	3.4	Low	2.4	Low
444666	Old Barn	3.9	Normal	3.1	Normal
444667	Rough Field	5.1	Normal	4.4	Good
444668	Three Trees	4.4	Normal	4.2	Normal

There are a number of methods for analysing OM at the laboratory. The important element is to monitor the OM of soil over time. It is the net changes in OM that should be assessed, particularly making sure that OM levels do not go down. The Dumas method measures the CO₂ given off from a soil sample after combusting and is a measure of soil carbon, which is a fixed proportion of organic matter content. The Dumas method is, in our opinion, the more accurate measurement of soil organic matter. LOI (Loss On Ignition) is provided here to allow comparison with previous analysis and for use with benchmarking schemes that use this method.