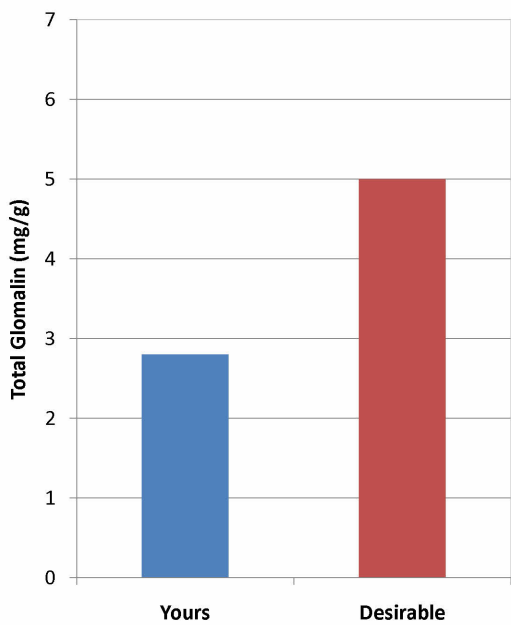


<b>Client name</b>	John Sample	<b>Sample Received</b>	04/06/09
<b>Location</b>	Sampletown	<b>Tests ordered</b>	G (A + B + D + F)
<b>Crop</b>	Wheat	<b>Agent</b>	John Sample & Sons
<b>Sample ID</b>	Paddock 1	<b>Authorised by</b>	Ash Martin
<b>Sample Date</b>	01/06/09	<b>Analysis no.</b>	000001

## Test D - Total Glomalin in Soil



	Mass (kg/ha)	
	Yours	Desirable
Carbon held in total glomalin	42,000	75,000

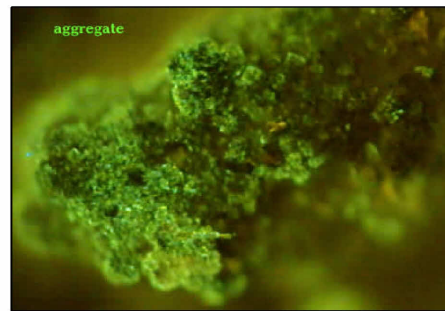


Image source: <http://invam.caf.wvu.edu/methods/mycorrhizae/aggregate.jpg>

Example of glomalin on a soil aggregate

### Comments

John, the total amount of glomalin in your soil is less than the minimum desirable level. It should be increased by encouraging the growth of mycorrhizal fungi in your soil through mycorrhizal-friendly farming practices. When glomalin increases, you should see an improvement in soil structure and general microbiological health. The glomalin in your soil holds 42,000 kg/ha carbon. Over time and with mycorrhizal-friendly management practices this could increase to 75,000 kg/ha.

### Explanations

Glomalin is a long-lived, carboniferous exudate of arbuscular mycorrhizal fungi that can improve soil structure by binding soil aggregates together into small crumbs. These crumbs contain micropores, small spaces that help to retain soil moisture and encourage the growth of other beneficial organisms by providing a suitable and protected environment. Glomalin increases slowly in the soil, so repeat testing of the same sample area may not be necessary for several years.

### Analysis by Creation Innovation Agriculture and Forestry

The information in this report should be used under consideration of particular production conditions. The desirable levels are derived from ongoing research carried out by Creation Innovation Agriculture and Forestry. Comparison of results with those obtained using other methods may be inaccurate, as accurate interpretation relies on specific sampling and analysis methods. Creation Innovation Agriculture and Forestry and its employees or agents will not be liable for any loss or damage arising from the use of the information supplied in this report. Please seek specific guidance and recommendations from your advisor.