

**Crop Formation: Wiltshire, U.K. 1995**

Laboratory Code: KS-03-56

Material: Wheat stems and heads, *Triticum aestivum*

Formation: Circular formations at Woodborough Hill, Wiltshire, UK on Aug. 3, 1995.

Sampled: by Mr. Ben Mitchell, Mr. Brian Johnson and Mr. Chad Deetken on Aug. 3, 1995.

SUMMARY OF RESEARCH FINDINGS:

a)- the sampling diagram from Mr. Peter Stammers report is presented in Fig. 1 attached. The values listed in parenthesis give the percent change in apical node lengths relative to the mean level in the control nodes.

b)- mean node lengths in controls: 3.62 mm with 0.69 s.d. and N=41 plants.

c)- sample "C11" was not considered in the control sample analyses since it was taken only 6" from the edge of the formation. We often find that "edge" samples are affected by the energies.

d)- the other control groups exhibit an overall variation of 31% which is larger than any of the node changes in the formation.

COMMENTS

Due to the large variation in node lengths within the control samples this formation is very difficult to call. The node length changes within the formation samples is minimal; however, the changes are all on the positive side, whereas if the changes were random one would expect both positive and negative variations about the mean, as was observed in the controls.

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Samples taken 3rd August 1995

Fig.1 Node length data (A-apical) for crop formation KS-03-56  
(percent change relative to mean of controls-excluding sample C11-see report)

