

Crop Formation: Birch, near Colchester, UK

Laboratory Code: KS-03-188

Material: Wheat stems and heads (*Triticum aestivum*).

Formed: First seen July 29, 1996.

Sampled: By Peter Henden and Bradley Haycroft on Aug. 16, 1996

Formation Characteristics: In Fig. 1 is Mr. Henden's diagram of the formation and sample locations.

Results and Discussion:

Each of 13 sample groups contained between 12 and 30 plants. The node lengths were determined on all plants. In addition, seedling growth tests were conducted. The node length changes were in the range of +16% to -7% relative to the combined data from two control groups (N=57). These node length variations are not significantly different from the controls.

The routine, paper roll, seedling development tests were conducted with data taken at the 4 and 11 day development stages. All sample sets germinated at the 100% level. Both control sets gave very uniform growth and were combined to give mean growth level. At 11 days the growth changes in the formation samples varied from +10% to -12% relative to the controls. A chi-squared value for either a plus or minus growth bias was not statistically significant. In other words, there was no significant difference between the growth of seeds from the formation and the growth of the controls.

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