

May 17, 1992

Circle Sample Report #4

Plant Species: Brassica napus L. (oil seed rape plants)

Collected by: Pat Delgado

Location: UK

Lab. Code No. KS-01-1

Sample information provided: 21m circle formed during the night of April 24-25, 1992. Plants collected on May 1, 1992 - received at the lab. on May 11, 1992. Control plants taken about 60m from the circle formation.

Sample condition and appearance: plants arrived in relatively good condition with green stems and no heavy external mold. Both sample groups had developing seed pods which at this stage were <2 cm long - some in both groups were chlorotic in appearance. All leaf foliage had disintegrated and was removed before selecting tissues for study.

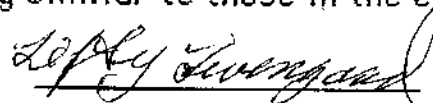
Tissue Examination:

1) Developing seed pods - a comparison of the cells within the fruiting bodies disclosed no observed difference between the control and circle samples. The stomata in the epidermal tissue was of normal appearance in both samples.

2) Stem sections - samples of stem tissue were taken at the same height locations from both groups and examination of the parenchyma cells in the center of the stems disclosed identical form and structure in both samples - the cells near the outer vascular bundles were also of the same appearance in the circle and control plants.

Summary (Code: KS-01-1):

The external appearance and the cellular structures within the plants from the circle sample were very similar to those in the control plants.



DR. W. C. LEVENGOOD
Pinelandia Biophysics Lab
P. O. Box 388
Grass Lake, MI 49240