Early Research

Fortunately my garden were cable of delivering a variety of weed's for testing the response to UV Light.

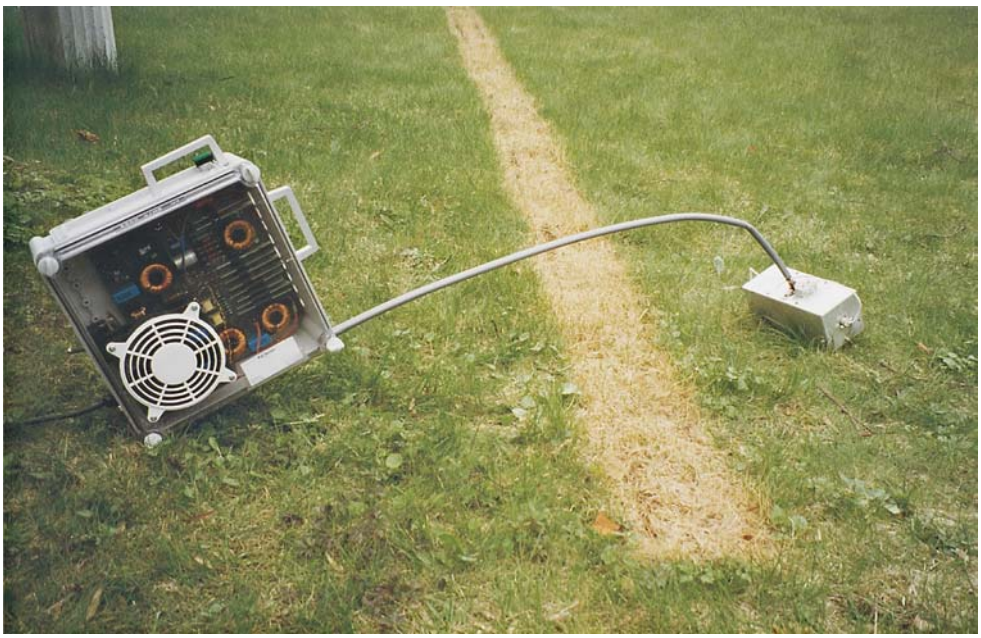
Two small pieces of "laboratory" equipment were assembled for the tests.
A 3KW unit shown on the left picture, and a 800W unit shown on the picture below.

The traces on the lawn are the result of UV exposure using the 3KW unit.

The grass has been exposed to UV one week before the pictures were taken.

The 800W unit were calibrated in order to verify what was expected from the mathematical calculations.
In addition two long UVC lamps were calibrated to test effects from UVC light.

Full size working units for field research has not been build so far (by February 2005).



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Pots containing weed are being prepared for UV exposure by the small calibrated 800W UV unit.

Exposing time in seconds:
0, 1, 2, 3, 4, 5, 6, 7, 9.

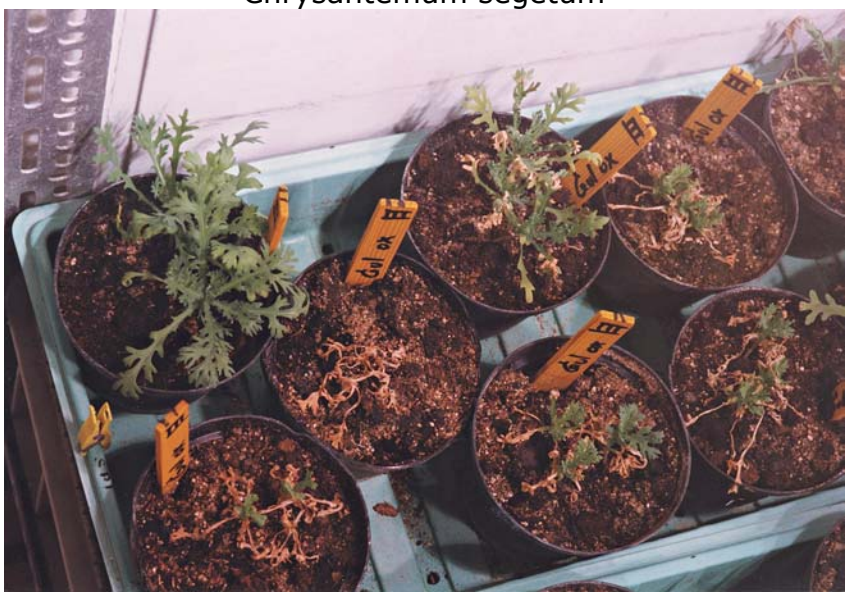
The results are shown below in photos taken a week later.

Equivalent dose of UV light in Joule/m^2:
One dose for each pot.

0, 2500, 5000, 7500, 10000,
12500, 15000, 17500, 22500.

Viola arvénsis.

Chrysántemum segétum



Results from Bachelor thesis by Julie Ogstrup-Pedersen, The Department of Agricultural Sciences.

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