

Comparison of standard Induction Curves of 1 year old (right) and 3 year old (left) needle leaves of *Taxus*. Actinic light intensity, 70 $\mu\text{mol quanta/m}^2\text{s}$.

Measurement with Micro Head (IMAG-MIC) of Imaging-PAM.

Observations:

- 1) There is not much difference in the maximal quantum yields F_v/F_m measured after dark adaptation.
- 2) Upon illumination the young leaf shows distinctly higher effective quantum yield (Yield) than the older leaf.
- 3) The induction pattern of nonphotochemical quenching suggests that the older leaf is limited by carbon dioxide fixation rate.