

Proceedings from the workshop on remote sensing Sostrup Castle, Grenaa, May 6-7, 1991

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Summary

The remote sensing workshop was organized jointly by the Danish Institute of Plant and Soil Science, University of Århus and the Royal Veterinary and Agricultural University. 11 papers were presented by danish and international re-

searchers. 9 of the presented papers are printed in the proceedings. The workshop and the publication of the proceedings was partly funded by the Danish Agricultural and Veterinary Research Council (SJVF).

Keywords: Remote sensing, spectral reflectance, LAI, biomass, crops, temperature, soil.

List of presented papers:

1. Spectral measurements. History, instrumentation, related plant physiology, and trends in application. *A. Jensen.*
2. A spectral reflectance index as indicator for crop growth and development. *C.T. Petersen.*
3. Estimation of Leaf-Area-Index (LAI) from radiation measurements. *A. Thomsen.*
4. Multispectral radiometry. A source of additional data in field fungicide trials. *J.G. Hansen, L.N. Jørgensen and J. Simonsen.*
5. Assessing leaf area index and light interception from spectral reflectance measurements. *S. Christensen.*
6. Crop canopy temperature and meteorological conditions. *H. Svendsen, H.E. Jensen, S.E. Jensen and V.O. Mogensen.*
7. Mapping of areal evapotranspiration from high and low resolution satellite imagery. *H. Sjøgaard.*
8. Spectral signatures of Danish crops multitemporal signatures derived from high resolution satellites. *J.N. Poulsen and T.B. Svendsen.*
9. Soil degradation assessment in semi-agrid tropical areas – satellite image methodology. *P. Frederiksen.*

Resumé

Telemålingsworkshoppen var arrangeret i fællesskab af Statens Planteavlsvforsøg, Århus Universitet og Den Kgl. Veterinær- og Landbohøjskole. Der blev givet 11 indlæg af danske og udenlandske forskere. 9 af disse indlæg er trykt i proceed-

ings (se nedenfor). Workshoppen og trykningen af proceedings er støttet af Statens Jordbrugs- og Veterinærvidenskabelige Forskningsråd (SJVF).

Nøgleord: Telemåling, spektral reflektans, LAI, biomasse, afgrøder, temperatur, jord.