



WORKSHOP ON PRECISION CROP PROTECTION

Date: **Sunday June 12, 10.00 – 16.00**

Venue: **Radisson SAS Hotel Gillet**, Dragarbrunnsgatan 23, 75320 Uppsala

Agenda

10:00 Welcome

Introduction

Keynotes (30 min + discussion)

Laury Chaerle, University of Ghent (Belgium): Multispectral imaging reveals specific signatures for early detection of plant-pathogen interactions

Walter Kühbauch, University of Bonn (Germany): On-line imaging and site-specific control of weeds

12:30 Lunch break

13:30 Oral presentations (15 min + discussion)

John W. Heap, Adelaide (Australia): Managing soil-borne diseases in Australian field crops using precision agriculture and soil DNA tests

Simone Graeff-Hönniger, Hohenheim (Germany): The challenge of crop disease identification: coupling sensor technologies with crop growth models

Therese Berge & Haldor Fykse, Ås (Norway): Preliminary results from simulations of site-specific weed management in Norwegian cereal fields for decision of patch sprayer design

José Dorado Gomez, Madrid (Spain): Detection of wild oats in cereal crops

Maria Johansson & Björn Åstrand, Halmstad (Sweden): On-line recognition of sugar beet plants using image processing

Karl-Heinz Dammer, Potsdam (Germany): Sensor-controlled variable rate application of herbicides and fungicides in practice

Horst Oebel, Bonn (Germany): Using digital image analysis for automatic weed identification and weed mapping

16:00 Concluding remarks