

Tenth Workshop on Sustainable Plant Protection Techniques in Fruit Growing

Every two years, researchers, manufacturers and consultants exchange the latest information on spraying techniques. The current status, new ideas and developments in technology, as well as methods for precisely spraying crop protection products and reducing the risk to the consumer and the environment are addressed in the form of a workshop.

The tenth edition of this workshop, with the theme 'sustainable spraying techniques in fruit growing' will be organised from 30 September to 2 October 2009 in Wageningen (the Netherlands). In 35 presentations, researchers and guest lecturers from a large number of countries will present the latest developments. Since 1991, the workshop has been held every two years in another country. After the last successful meetings in Spain (2005) and Sweden (2007), this year the organisation is in the hands of the Netherlands. The workshop – with the title 'Suprofruit 2009' – is organised by Plant Research International and Applied Plant Research – Fruit Sector, which both are part of the Wageningen University and Research Centre.

CASA technique

A special development in spraying technology is crop-adapted spraying. Here the volume of spray depends on the amount of leaf that must be covered. A special session of the workshop will focus on this 'Crop Adapted Spray Application system (CASA)', which has been developed within the European ISAFRUIT project (www.isafruit.org). The CASA system is to ensure precise, efficient and safe spray application in fruit growing according to actual needs and with respect to the environment. The CASA system consists of three sensor based elements:

- Crop Health Sensor (CHS); identification of crop health status with spectral sensors.
- Crop Identification System (CIS); identification of tree geometry with ultrasonic sensors.

– Environmentally Dependent Application System (EDAS); identification of environmental circumstances and GPS navigation.

Registration

The formal language of the workshop is English. The workshop fee includes during the whole workshop coffee/tea, welcome cocktail, 3 lunches, 1 dinner and an exclusive workshop dinner. A copy of the Book of Abstracts will be provided to all participants registered. Registration and more information on the website: www.suprofruit2009.wur.nl. We look forward to welcoming you to Wageningen and the workshop.

PROGRAM

Preliminary program Suprofruit 2009:

Tuesday 29 September 2009

Registration and informal-get-to-gether

Wednesday 30 September 2009

Registration

Presentations - sessions:

- Guest speakers
- CASA system (ISAFRUIT)
- Spray drift
- Spray deposition and biological efficacy
- New spray technology (e.g. robots)
- Small fruits
- Environment
- Residue

Thursday 1 October 2009

Excursion tour

- Spray laboratory
- Fruit growing farm and water quality issues (Water Board 'Rivierenland')
- Fruit auction 'Fruitmasters' (www.fruitmasters.nl)
- Demonstrations at Randwijk – Applied Plant Research
 - Tunnel sprayers
 - Multiple row sprayers
 - Mast sprayer for nursery trees
 - Canopy Density Spraying
 - Biofilter
 - CASA Sprayer (ISAFRUIT)

Official Workshop Dinner

Friday 2 October 2009

Continuation of presentations – see Tuesday 29 September 2009

Closing of workshop at 16:00 hours



In the CASA technique, the volume of spray depends on the amount of leaf that must be covered.

Photo: PPO-Fruit