

Fruit tree Crop REsponses to Water deficit and decision support Systems applications

(FruitCREWS)



Training School

Fertigation – application of nutrients together with irrigation

(Monday, June 29th – Wednesday, July 1st 2026)

Location: At Research, Development and Innovation (RD & I) Center, Nouryon in Deventer, The Netherlands.

Day 1 – Monday, 29 June 2026

08:30 – 08:45 – Welcome to the Training School at Nouryon

- Alberto Allegro, Global Marketing Director Micronutrients, Nouryon (Online)
- Prof. Brunella Morandi, Action Chair (Online)

08:45 – 10:45 – Introduction to Crop Nutrition

- Marcel Bugter, Market Development Manager Micronutrients, Nouryon
- Dr. Arjen Reichwein, R&D Manager Micronutrients, Nouryon

10:45 – 11:00 – Coffee break

11:00 – 12:30 – Lab Tour – Nouryon analytical facilities

- Dr. Arjen Reichwein, R&D Manager Micronutrients, Nouryon

12:30 – 14:00 – Lunch break

14:00 – 15:30 – Basics of Soil Fertility and its Management / Remote Sensing for Diagnosing Nutrient Deficiencies

- Dr. Ignacio Buesa, Desertification Research Center (CIDE), CSIC-UV-GV

15:30 – 15:45 – Coffee break

15:45 – 17:15 – Crop Nitrogen Status Monitoring Using Proximal and Remote Sensing

- Dr. Carlos Ballester, Desertification Research Center (CIDE), CSIC-UV-GV

17:15 – 18:30 – Student Presentations

- Presentations from 10 selected participants

Day 2 – Tuesday, 30 June 2026

08:30 – 10:15 – From Soil to Strength: Using the Soil Health Indicator to Build Stress Tolerant Fruit Trees

- Dr. Arjan Reijneveld, Eurofins Horti
- Pauline Bugter, Eurofins Horti

10:15 – 10:30 – Coffee break

10:30 – 13:00 – Fertigation Management

- Koen Dhaeyer, Fertigation Specialist, SQM Europe

13:00 – 14:00 – Lunch break

14:00 – 17:00 – Calcium Uptake by Plants and Allocation to Fleshy Fruits

– Phosphorus Chemistry and Acquisition by Roots

– Polyphosphate as a Source of P and Sequestration of Metals in Soil Solution

- Dr. Ran Erel, GRC, Agricultural Research Organization - Volcani Institute (Online)

17:00 – 17:30 – Student Presentations

- Presentations of 5 selected participants

17:30 – 18:30 – Crop Nutrition Quiz

- Participants divided into two teams

Day 3 – Wednesday, 1 July 2026

08:30 – 09:30 – Foliar Fertilization – An Option Under Reduced Irrigation or Water Deficit

- Dr. Muhammad Imran, Technical Development Manager Micronutrients, Nouryon

09:30 – 11:30 – Drought Stress – A Challenge to Obtain Optimal Crop Yield and Good Quality Harvest in Tree Fruits

- Dr. Olfa Zarrouk, Assistant Professor, Polytechnic University of Santarém

11:30 – 11:45 – Coffee break

11:45 – 13:30 – Drought and Salinity Tolerance Linked to Crop Nutrition

- Team Nouryon

13:30 – 15:00 – Lunch break & Departures

- Lunch and closing of the Training School

Editorial

Local organizing team:

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CA21142 team:

Core Action Team

Host Organisation:

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