



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of Economic Affairs,  
Education and Research EAER

**Agroscope**

# **EUFRIN Board-Meeting**

## **Lukas Bertschinger**

Brussels, 13. 11.2014

[www.agroscope.ch](http://www.agroscope.ch) | good food, healthy environment



# Country report Switzerland

- EUFRIN-Working group participation as usual (TN-fruit, low residues, thinning, irrigation, ...)
- Meeting of WG Fruit Thinning in Wädenswil (Albert Widmer, now on retirement, new physiologist hired)



# Country report Switzerland

## Important issues of fruit production

High cherry and plum production, quality intermediate (rainfall in summer). High pip fruit (apple, pear) production, good quality.

*Drosophila suzukii* in stone fruit (cherry, plum), berries, grapes.

- Stakeolder expect chemical solutions on a short term. However, this can only be part of the solution
- Political initiative
- Interreg-project with KOB (lake of Constance) in place. COST action not accepted

*Marssonina coronaria* in organic production and extensive cider production orchards (tall trees), increasing importance.

Little fireblight infection. Nevertheless: New federal and stakeholder funding for providing continuity in R&D (genomics, antagonists, cis-genic apple genotypes, ..). Overall aim: produce without Streptomycin.

Concern: The EU-embargo of Russia is circumvented via Switzerland (non EU-member) with trees and fruit produce of low price.



# Country report Switzerland

## Selected R&D activities in POME fruits and STONE fruits

- a) Final meeting in Switzerland of an Euphresco-project on phytoplasmas in apricots, apples and pears (Topics: monitoring of the diseases, control of the vectors) Contact: Danilo Christen; Partners: CH, D, A, I, NO
- b) Apple: Good results of deficit irrigation during summer in apple orchards (Gala) with subsurface drip irrigation: 40% economy of water without loss of yield and quality.
- c) Interesting new genotypes selected in Agroscope breeding programme of apricots: one genotype tolerant to blossom blight and one genotype tolerant to *Pseudomonas syringae*.
- d) Postharvest behavior of apricot cultivars under CA conditions (project in progress)

## Wish list

Reactivate the WG Berries and Stone fruits



# Country report Switzerland

## Selected R&D activities in BERRIES

- a) *Drosophila suzukii* was more or less controlled in berry crops in Switzerland with monitoring, mass trapping and in some rare cases with insecticides (Spinosad)
- b) Irrigation experiments showed that with frequent irrigation (1 to 3 times a day, irrigation controlled by measurement of soil water level and management by ICT). This approach saved about 30-50 % of the water application compared to traditional irrigation systems without loss of yield and quality of the strawberries.
- c) New interesting cultivars for strawberries: cv. Flair
- d) New interesting cultivars for everbearing strawberries: cv. Marigquette, cv. Eve Delight
- e) New interesting cultivars for primocane fruiting raspberries: cv. Paris, cv. Kwanza
- f) New interesting cultivars for blueberries: cv. Nui, cv. Aurora



# Country report Switzerland

## Horizon 2020

Solution for continued participation opportunities of Swiss partners in Horizon 2020 / «societal challenges» in view

## Reorganisation Agroscope

Four institutes (plant production sciences, animal production sciences, food sciences, sustainability sciences)

6 topics, which are relevant for the controlling and reporting:

- Ecological intensification
- Resource efficiency
- Climate change
- Food quality & safety
- Competitiveness
- Landscape management

Agroscope needs to make again 5-7% economies (=less full time equivalents for agrifood-stakeholder related R&D)