



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Economic Affairs,
Education and Research EAER

Agroscope

EUFRIN Board Meeting 2015 Country Report Switzerland

Lukas Bertschinger, Robert Baur, Catherine Baroffio, Christoph Carlen, Danilo Christen, Eduard Holliger, Franz Gasser, Markus Kellerhals, Thomas Kuster, Dominique Mazzi, Philippe Monney, Andreas Naef, Sarah Perren

Brussels, 19. 11. 2015



Country Report Switzerland

Participation of Agroscope 2015 in EUFRIN Working Groups and EUFRIN-meetings

EUFRIN-Working group participation (TN-fruit, low residues, thinning, irrigation, ...). Meetings:

- Participation of Dominique Mazzi in the EUFRIN-Decision Support Systems meeting (Sint-Truiden, Belgium, 2.-4. June)
- Participation of Thomas Kuster in EUFRIN-chemical fruit thinning meeting at Altenahr/Germany from 19. to 21.02.2015
- Participation of Sarah Perren in EUFRIN-variety testing group meeting at Vilnius from 19. to 20.03.2015



Country report Switzerland

Major issues related with Swiss fruit production 2015

Intermediate cherry production, good apricot and plum production, high pear and apple production with excellent quality, summer drought had no negative impacts on fruits.

Drosophila suzukii in stone fruits (cherry, plum), berries, grapes

- Still of major concern
- Cherry damage considerable, little plum and grape damage (dry August/September; population decrease), first observations of problems in apricots, few damages on berries
- National R&D-Task Force established (leader: Dominique Mazzi)
- Webpage with newsletter etc.
<http://www.drosophilasuzukii.agroscope.ch/> (g & f)
- National conference for stakeholders to be held on 24.11.2015.



Country report Switzerland

Major issues related with Swiss fruit production 2015

Marssonina coronaria in organic production and extensive cider production orchards (tall trees): continued increasing importance and concern.

Fireblight: Moderate infection 2015. Umbrella project «Gemeinsam gegen Feuerbrand»; 1st national fireblight conference 17.11.2015; new multi-actor working group for tall tree systems (juice/cider production).

Proposal for field experiments 2016 with cis-genic apple trees (cv. Gala), which are tolerant against fire blight

Neonicotinoides (Clothianidin, Thiamethoxam, Imidacloprid) strongly restricted (final decision pending)



Country report Switzerland

Selected R&D-related activities 2015 in POME fruits & STONE fruits

a) Important meetings:

- Eucarpia Fruit Breeding and Genetics Symposium was held at Bologna University 14.-19.06.15 with an integrated EUCARPIA hosted FruitBreedomics International Conference on 18.06.15 (Andrea Patocchi, Markus Kellerhals and Isabelle Baumgartner participating)
 - Part a. New technical & scientific outcomes
 - Part b. From genes and markers to varieties. Innovation in apple and peach breeding)
- In 2016: Eucarpia General Congress in Zürich, Switzerland (August 29 to Sept. 1)
- In 2019: ISHS Rubus & Ribes Symposium in Switzerland, Zürich; Pre-Symposium Tour South-Germany - Switzerland



Country report Switzerland

... (c'td)

- b) Interesting new genotypes selected in Agroscope breeding programmes of apple and apricot and from pear selection: pear 'CH 201' (ACW 3851) with moderate fire blight susceptibility and interesting tree and fruit features, first commercial fields in 2016, Apricot «4477» good fruit quality, tolerant to *Pseudomonas* disease. Apricot «4353» good fruit quality, tolerant to *Monilia* disease.
- c) Postharvest: research lines: fruit rot prevention for low pesticide-residue systems, DCA based on respiration coefficient (in stead of chlorophyll fluorescence), studies on the genetic regulation of the RC, preparation of a projet “use of ozon in fruit storage”

Wish list

Reactivate the WG Berries and Stone fruits



Country report Switzerland

Selected R&D-related 2015 activities in BERRIES

- a) *Drosophila suzukii* was more or less controlled in berry crops in Switzerland with monitoring, sanitary measures (very important), mass trapping and in some rare cases with insecticides (Spinosad). Alternatives to chemical treatments are studied (nets / lime)
- b) High frequency drip irrigation on strawberries allows a 45% water reduction without impact on yield and fruit quality
- c) New interesting cultivars for strawberries: Flair (Goossens Flevoplant): precocity, good taste; Magnum (Marionnet): yield and fruit texture
- d) New interesting cultivars for everbearing strawberries: Murano (NL), Eve Delight (UK)
- e) New interesting cultivars for primocane fruiting raspberries: Vajolet (I), Tulameen Pearl (Canada)
- f) New interesting cultivars for blueberries: Liberty, Drapper, (US) Poppins (NZ) (increasing acreage and imports)



Country report Switzerland

News Agroscope & FiBL 2015

- a) Agroscope at Wädenswil: 125th anniversary!
- b) Agroscope with budget problems 2015/2016; third money even more important
- c) **EUFRUIT** (Horizon 2020) is of high importance to Agroscope
 - the 1st EU-project with Agroscope participation in the EIP context
 - strengthening principles which are similarly applied by Agroscope since many years (stakeholder platforms; scan / synthesise / share / show)
- d) Agroscope participates in FP7-Project **Trafoon** (WP **fruits**): Traditional Food Network to improve the transfer of knowledge for innovation in Grain, Fish, Vegetable, Mushroom, Olive and Fruit sectors
- e) Franco Weibel left FiBL. He is working now at the extension service of canton Basel at Sissach



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Economic Affairs,
Education and Research EAER

Agroscope

EUFRIN Board Meeting 2015 Update EUFRIN - EPSO

Lukas Bertschinger

Brussels, 19. 11. 2015

www.agroscope.ch | good food, healthy environment



EPSO - EUFRIN

- EPSO White Paper on horticulture includes a reference to EUFRIN vision and SRA-document; see EPSO webpage: <http://www.epsoweb.org/horticulture-wogr>
- Launch event: not yet defined
- EUFRIN documents refer to EPSO White Paper

