

**ORGANIC FRUIT CONFERENCE**  
**Monday and Tuesday, June 16<sup>th</sup> – 17<sup>th</sup>**  
**Vignola**

*The Conference is organized by the International Society for Horticultural Science (ISHS) Commission “Sustainability through Integrated and Organic Horticulture”*

*Scientific Committee:* Franco P. Weibel, Robert K. Prange, Silviero Sansavini, Bruno Marangoni, Antonio Corleto, David Granatstein, François Warlop, Martine Dorais, Rémi Kahane, Uygun Aksoy

*Conference Coordinators:* Franco P. Weibel and Robert K. Prange

*Location:* Rocca di Vignola (Castle of Vignola)  
*Language:* English

**Program**

**Monday, June 16<sup>th</sup>**

**8.00– 9.15 Registration/Posters**

9.15 – 9.45 Welcoming speech by local authorities.

9.45 – 10.00 Opening

**10.00 - 13.00**

**Plenary Session: General Organic Fruit, System Comparisons and World Market**

*Room:* Sala dei Contrari

**Keynote speakers:**

*Granatstein D.* Organic temperate fruits: Current world status.

*Vayssiries J.F.* Organic tropical and subtropical fruits: Current world status.

- **11.30 Break (10 min)**

**Presentations:**

*Pearson D.* Marketing organic fruits - An example of shopping behaviour from Australia

*Zocca, S.* The Slow Food “presidium” of traditional Vignola cherries

*Montalba R., Merino E., Vieli L.* Large scale organic transition process evaluation in berry orchards in south-central Chile from an agroecological perspective

*Peck, G., Merwin, I.* Multi-level comparisons of organic and integrated fruit production systems for ‘Liberty’ apple in New York

**13.00 – 14.30 Lunch**

**Afternoon Sessions**

**14.30- 18.00 Parallel Sessions: 1) Plant Protection – All Crops; 2) Plant Nutrition and Soil Fertility**

**Session 1 – Room: Sala dei Contrari**

**14.30 – 18.00 Plant Protection - All Crops**

*Keynote Speaker:*

*Wratten S*, The importance of ecological engineering to enhance ecosystem service in organic fruit production

**Presentations:**

*Heijne B., de Jong P.F., Trapman M., Lindhard Pedersen H., Paaske K., Bengtsson M., Hockenhull J., Eiben U., Köhl J*, EU-project: Replacement of copper fungicides in organic production of apple (REPCO) strategy against apple scab and results

*Jamar L., Pahaut B, Lateur M*, Alternative strategies using sulphur, copper and potassium bicarbonate for primary scab control in organic apple production in Belgium

- **15.40 Break** (20 min)

*Martinez, J., Nuñez, A., Ojeda, D*. Effect of increased epiphytic population on reduction of Fire blight (*Erwinia amylovora*) infection on apple trees

*S. Sansavini, Orsini M.C*. Phenolic compounds in leaves and fruits of scab (*Venturia inaequalis*) resistant and susceptible apple, with and without pathogen elicitation

*Iannotta, N., Belfiore, T., Noce M.E., Scalercio, S., Vizzarri V*. New attract and kill devices against *Bactrocera oleae* (Gmelin) in organic olive orchards: efficacy and environmental impact

- **17.00 Break** (10 min)

*El Jiati A.*, A non-chemical method for monitoring adult olive weevil populations in Tadra-Azilal plain in Morocco

*Penvern S., Fauriel J., Bellon S*. Peach aphid management in organic and conventional orchards: How to reconnect efficiency and ecology?

*Closing of the day session*

**Session 2 – Room: sala dei Grassoni**

**14.30 – 18.00 Plant Nutrition and Soil Fertility**

*Raviv M., Aviani I., Laor Y*. The changing needs with time for mineral nutrition of organic stone fruit orchards under Mediterranean conditions

*Intrigliolo, F., Giuffrida, A., Rapisarda P., Rocuzzo G., Torrisi B., Tittarell F., Canali, S*. Yield and fruit quality of “Valencia late” orange in response to organic fertilisation

*Rom, C.R., McAfee J., Friedrich H., Choi, H-S., Garcia M.E., Johnson D., Popp J.* The effects of nutrient source and groundcover management on organic orchard establishment.

- **15.40 Break** (20 min)

*Weibel, F.P., Suter, F., Buchleither S., Hammelehle A., Bantleon G.* Tree nutrition strategies for organic apple growing long-term and additive effects of compost, N-fertilizer and foliar fertilizer on N-mineralisation, yield, fruit quality and soil fertility

*Krawczyk G., Schupp J., Travis J. W. Halbrecht N. O.* Challenges in organic apple production in eastern US

*Granatstein D., Wiman M., Mullinix K., Kirby E.,* Sustainability trade-offs in organic orchard floor management

- **17.00 Break** (10 min)

*Giorgi V., Ponzio C., Polverigiani S., Savini G., Lodolini E.M., Massetani F, Neri D.* Olive root growth with different organic matters

*Jamar L., Aubinet M., Fievez T., Magein H., Lateur M.* Soil biological properties in conventional and organic orchards

*Closing of the day session*

**18.00 – 19.30 Break, aperitif**

### **Evening Sessions**

#### **19.30 – 20.45 Two Parallel Round Table Discussions.**

##### **A) Round Table Discussion: How to develop organic market and production**

*Room: Sala dei Contrari*

Keynote Speaker:

*Ostenson H.* Organic pome and cherry production and marketing issues: Past, present and future

- Keynote presentation and open discussion;
- finding common solutions;
- Summarising the Round Table Discussion.

##### **B) Round-Table Discussion: Genetic and technical perspectives in organic fruit production: Needs, suitability for organic production, research needs**

*Room: sala dei Grassoni*

Keynote Speaker:

*Sansavini S.* Genetic and technical perspectives in organic fruit production: Needs, suitability for organic production, research needs

- Keynote presentation and open discussion;
- finding common solutions;
- Summarising the Round Table Discussion.

**Tuesday, June 17<sup>th</sup>**

**8.00 – 9.00 Poster Session**

**9.00 – 13.00 Plenary Session: Post harvest**

*Room: Sala dei Contrari*

**Keynote speaker:**

*Soldevilla S.* Organic bananas in Peru: Its social and economic impacts

**Presentations:**

*Leccese A., Bartolini S., Viti R., Pirazzini P.* Fruit quality performance of organic apricots at harvest and after storage from different environmental conditions

*Rapisarda P., Camin F., Faedi W., Paoletti F., Tabilio M.R.* New “markers” for the traceability of organic fruit: A cooperative research project supported with funding by MiPAAF

- **10.10 Break** (10 min)

*Gobbi S., Bertolo G., Maestrelli A., Torreggiani D.* Organic sweet cherry dehydrofreezing and quality cultivar selection bridged with innovative technology

*Spadaro D., Frati S., Garibaldi A., Gullino M.L.* Efficacy of biocontrol yeasts against *Penicillium expansum* and patulin on different cultivars of apple in postharvest

*Soria Y., Schotsmans W., Reig G., Larrigaudière C.* A comparative study of 'Golden Delicious' and 'Fuji' apples produced by organic and conventional systems in the North-east of Spain

- **11.20– 11.50 Break, Interactions, Posters**

**11.50 - 13.00**

**Parallel Sessions: 1) Tropical Fruit; 2) Economy**

**1) 11.50 – 13.00 Tropical Fruit**

*Room: Sala dei Contrari*

*Leu. A.,* Organic Lychee, Rambutan, Star Apple, Mangosteen and Durian production

*Lehne P., Song S., Le J., G, T., Huang D.* Muskmelon growth, yield and nitrogen accumulation under organic and conventional farming conditions in Eastern China

*Akinyemi S.O.S., Akande M.O.* Integrated effects of organic and inorganic fertilizer on growth and yield of Papaya (*Carica papaya* L.)

## 2) 11.50 – 13.00 Economy

*Warlop F.* Can models be useful for deciding to convert to organic fruit growing ?

*Mencarelli H., Bravin E., Bertschinger L.* Cost decreasing and productivity improving strategies of the organic apple farmers in Switzerland

*Bravin E., Weibel F.P., Mencarelli H., Hofmann D., Kockerols K.* “Arbokost” a business management software-tool for organic apple production

12.50            *Closing of the morning session*

## 13.00 – 14.30 Lunch Interaction Posters

### Afternoon

14.00- 17.00

**Parallel sessions: 1) Mediterranean, Stone Fruit, Apple and Pear 2) Small Fruit and Berry Crops**

### 1) 14.30 – 15.40 Mediterranean and Stone Fruit

*Room: Sala dei Contrari*

*Caleca V.* Effectiveness of clays and copper products in the control of *Bactrocera oleae* (Gmelin) and *Ceratitits capitata* (Wiedemann) in organic farming

*Arnone S., Bontempo L., Camin F., Cristofaro M., Gatti R., Mandatori R., Perini M., Rapisarda P., Tabilio R., Tronci C., Zappa G.* Detection of inorganic insecticides and fertilizers in organic peach fruit

*Linares J., Scholberg J., Chase C., McSorley R., Ferguson J.* Evaluation of annual warm-season cover crops for weed management in organic citrus

#### • 15.40 Break (20 min)

### 16.00 – 16.40 Apple and Pear

*Alin, G., Alegre S., Iglesias, I.* Agronomic and sensory characteristics of some apple scab resistant varieties

*Delate K., Wills M., Whalon M., Bird G., Birmingham D.* Insect and disease management in organic apples in the U.S. and New Zealand

*Kockerols K., Widmer A., Gölles M.* Towards grower-friendly apple crop thinning by tree shading

### 2) 14.30 - 17.00 Small Fruit and Berry Crops

*Room: Sala dei Grassoni*

*Sciarappa W., Polavarapu S., Barry, J., Oudemans P., Ehlenfeldt M., Pavlis G., Polk, D., Holdcraft, R.* Advances in organic highbush blueberry production systems

*Heinäaho M., Aniszewski T., Pusenius J., Julkunen-Tiitto R.* The effects of different organic farming methods on berry production by Finnish sea buckthorn cultivars

*Burkhard N.E., Lynch D.H., Percival, D.C.* Vegetation and nitrogen dynamics for organically managed highbush blueberry (*Vaccinium corymbosum* L. cv. 'Duke') in the Annapolis Valley, Nova Scotia, Canada

- **15.40 Break** (20 min)

*Suter F., Schmi, A., Daniel C., Weibel F.P.* Organic highbush blueberries (*Vaccinium corymbosum* L.) production: Long-term effect of cultivation system and pH regulation on plant growth, yield and root distribution and biomass with two cultivars

*Rom C.R., McAfee J., Friedrich H., Choi H-S., Garcia M.E., Johnson D., Popp J.* High tunnel production of organic blackberries and raspberries in Arkansas

*Shakya S., Coll M., Weintraub, P.* Role of biological control agents in organic strawberry production

## **17. 00 Break**

### **17.10 – 18.00 Plenary Discussion**

*Room: Sala dei Contrari*

- **Summary of the Chairs**
- **Discussing future activities of the Commission**
- **Closing the conference**

## POSTERS

### General Organic Fruit, System Comparisons, World Market

- *Garcia M.E, Berkett L.P., Bradshaw T., Moran R.* Horticultural options when starting an organic apple orchard
- *Rozpara E., Grzyb Z., Kruczynska D., Bielicki P.* Organic fruit production in Poland - area of research activity

### Plant Protection - All Crops

- *Heijne B., de Jong P.F.* Promotion of earthworms to reduce apple scab inoculum in organic orchards
- *Köhl J., Molhoek W.M.L, Groenenboom-de Haas B.H., Goossen-van de Geijn H.M.* Development of novel biocontrol agents for apple scab control in organic farming
- *Balestra G.M., Rossetti A., Quattrucci A.* Biological control of Kiwifruit and tomato bacterial pathogens
- *Mazzola M., Granatstein D.* Potential of brassicaceae seed meal formulations for replant disease control in conventional and organic orchard systems
- *Balestra G.M., Rossetti A.* A natural antagonist against phyto-bacteria of Kiwifruit plants
- *Visintainer G.* Experience of the control of *Rhagoletis cerasi* (cherry fruit fly) in new cherry planting systems in Trentino, Italy.
- *Reekie J., Specht E., Carter K., Appleby M., Fraser H., Wilson K., Pink L.* The control of apple maggots in organic orchards with GF-NF Naturalyte® fruit fly bait

### Plant Nutrition and Soil Fertility

- *Musyimi D.M, Odhiambo G.D., Ouma G.* Weed management strategies in organically grown fruit trees and vines
- *Sorrenti G., Rombolà A. D.* Are all graminaceous species effective in preventing iron chlorosis of fruit tree crops?
- *Toselli M., Baldi E., Marcolini G., Malaguti D., Quartieri M., Sorrenti G., Marangoni B.* Response of potted pear and grapevine trees to increasing copper concentration in sandy and clay-loam soils

### Post Harvest

- *Tarozzi A., Cocchiola M., D'Evoli L., Franco F., Hrelia P., Gabrielli P., Lucarini, M., Lombardi-Boccia G.* Bioactive molecule content, antioxidant and antiproliferative activities of strawberries (*Fragaria ananassa* cv. Favette) grown by biodynamic and conventional agriculture

- *Leccese A., Bartolini S., Viti, R., Pacini G.* Qualitative Kiwifruit traits from organic system and their evolution during long term cold storage
- *Van der Maas M.P., Op 't Hof M.C.J.* Extending storage period of organically grown apple cultivar "Topaz"
- *Basack A., Juras I., Bielicki P.* Effect of novel organic/mineral biostimulators on some fruit quality parameters in apple
- *Baiamonte I., Raffo A., Nardo N., Bonoli M., Baruzzi G., Faedi W., Paoletti F.* Anthocyanin content in strawberries from organic and integrated agriculture
- *Györéné-Kis G., Varga A., Menyhért Z., Lugasi A.* Antioxidant characteristics and total polyphenol content in organic and conventional black currant (*Ribes nigrum*), red currant (*Ribes rubrum*), raspberry (*Rubus idaeus*) and blackberry (*Rubus rusticanus* cv. Inermis)
- *Bertazza G., Bignami C., Cristoferi G.* Fruit composition and quality of apple, apricot and pear cultivars grown organically and conventionally in Veneto region (Northern Italy)

### **Tropical Fruit**

- *Harris P. J. C., Oke O., Olabiyi T.I., Aiyelaagbe I. O.* Post harvest quality of tropical organic fruit in Ogun State, Nigeria
- *Zabedah M., Aini Z. and Hussan A.K.* Effective control of Army Worm (*Spodoptera litura*) for starfruit under netted structure with Nuclearpolyhedrosis virus (NPV)

### **Small Fruit and Berry Crops**

- *Foschi S., Battelli T., Fontana F.* Strawberry organic cultivation varieties and management

### **Mediterranean and Stone Fruit**

- *Iannott N., Belfior T., Noce M.E., Scaleri S., Vizzarr V.* Impact of kaolin and *Beauveria bassiana* treatments against olive fly on non-target arthropods of the olive ecosystem
- *Plessi M., Bertelli D., Lolli M., Papotti G., Zocca, S.* Physicochemical characteristics and antioxidant activity of sweet cherry from organic and conventional farming systems
- *Ughini V., Caruso S., Plessi C., Malvicini G.L.* Use of nets in the Vignola cherry district against fruit cherry fly (*Rhagoletis cerasi*)

## **Apple and Pear**

- *Visintainer G.*, Mechanical thinning trials in organic orchards

## **Cultural Events/tours in connection with the Organic Fruit Conference**

### **Vignola... It's Time for Cherries**

*Sat. June 14, from 15.00 to 23.00*

*Sun. June 15, from 10.00 to 22.00*

*Where: streets and squares around the city*

Cherries are the focus of this event, which, for years, has been bringing many tourists to Vignola to experience its eno-gastronomy and sample the typical products of the land. Thus, all the activities organized by the Municipality, by Vignola Great Ideas and by the various cultural, sports and recreational associations will be dedicated to this special fruit. Strolling along the streets of the city, it will be possible to visit important monuments, such as the imposing Fortress and Barozzi's winding staircase. A walk among the stands will be an excellent opportunity to taste and to buy cherries, fresh seasonal fruit, jam, wine and many other typical products straight from the producers. Some of the activities scheduled for the 2008 edition are: Organic products and beauty products market; organic health products; Cherry producers' market associated with Vignola's Cherry, Susina and Typical Fruit Consortium; creative art-talent market; 4<sup>th</sup> Rally of the Vignola Ferrari Team Club (June 15, starting at 9 AM); 14<sup>th</sup> Camper Rally (June 13 to 15); and more shows, music, animation, exhibitions, showcases and commercial displays. With the Cherry Pass, you will be able to taste the land's delicacies in various rest areas, and on Sunday, the celebrations will conclude with the cutting of the kilometre pie, a cherry pie made by local bakeries, which will be given to spectators to taste.

Nature lovers may enjoy a walk along the nature path between Vignola and Modena or ride along the bicycle trail built on the old railway. From Vignola, it will be possible to explore the neighbouring Municipality of Marano sul Panaro, and then go on towards the Apennines, and even to Montese or Sassi di Roccamalatina Park. Or alternatively, one can spend time discovering the five municipalities in the Land of the Castles, their antique traditions and historic centres.

Information: Events Office – Tel. 059 777587

Promoters: Municipality of Vignola, Vignola Great Ideas

### **Field Research on Cultivars and Production Techniques for Organic Pear and Stone Fruits (Apricots, plums, peaches and cherries)**

*Sunday, June 15<sup>th</sup> from 14:30 to 18:00*

*Vignola*

This is a pre-conference tour intended to provide a practical, in-depth examination of field research and on-farm trials of horticultural techniques and cultivars to obtain high quality organic fruit. The tour will visit the experimental farm of the University of Bologna and the Spallanzani Agrarian Institute and commercial farms producing apricots, plums, pears, peaches and cherries.

Price: € 45.00 The price includes: bus, English-speaking tour leader, visits as described. This tour will be confirmed only if we reach 16 booked participants before May 30<sup>th</sup>. *Registration: [www.modenatur.it](http://www.modenatur.it)*

### **Rendez-vous in Castelvetro**

*Sunday, June 15<sup>th</sup>*

*Castle of Levizzano Rangone*

In the magnificent setting of Castle of Levizzano, three activities are scheduled to inaugurate the newly renovated fortress and to welcome the Conference participants:

At 17.00 there will be a presentation on the history and the restoration of the Castle and of the Bishop's chambers; followed at 18.00 by a guided tour to the Castle and Documentation Centre, which will host the exhibitions of paintings and photos and finally (after 18.00), a "Jazz and Wine" event, where visitors will be able to taste *Lambrusco Grasparossa di Castelvetro* wine while listening to jazz music, swing and Irish songs.

Promoter: Municipality of Castelvetro.

*Transportation from Modena and from Vignola to Levizzano will be provided for all those willing to attend, no reservation is needed.*

### **Music in the Fortress**

*Monday, June 16th, 21.30 pm*

*Where: Castle trenches (in case of rain: Cantelli Theatre)*

This free concert, entitled "Sicily. From Middle East to Trinacria", ends the 20<sup>th</sup> edition of this successful exhibition, which will be entitled "Twanging Islands - Mediterranean Splinters". Every year, the event renews itself by exploring sounds of different parts of the world. Music from Sicily, Sardinia and other Mediterranean islands will have the leading role in this year's edition. Specifically, on June 16th, the band DOUNIA will give a tribute concert to Sicily. DOUNIA blends the unique Middle Eastern vocality of Faisal Taher with original mixes of melodies, harmonies and rhythms from every corner of the Mediterranean.

Information: Events Office – Tel. 059 777587

Promoter: Municipality of Vignola

Music in the Fortress is part of the activities outlined in the Apennines On-Stage calendar

A detailed program of the events is available at [www.comune.vignola.mo.it](http://www.comune.vignola.mo.it)

### **On Farm Special Workshop**

*Tuesday, June 17<sup>th</sup> from 14.30 to 17.00*

The Conference program includes an "on farm" Special Workshop with organic farming pioneer and biodynamic expert Alex Podolinsky.

After the lunch break a short walk (10-15 min.) from the conference site along the river, in the pleasant atmosphere of a mid-June afternoon, brings you to an organic farm at the edge of Vignola's historical centre. Under the shade of ancient cherry trees (still harvest time!) Alex Podolinsky will describe the farm and discuss his views with participants.

This tour is provided with no additional charge for all Conference participants.