



**Universitatea de Științe Agronomice și Medicină Veterinară  
Facultatea de Horticultură – București**



# **Stone fruit variety testing at USAMV Bucuresti**

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**Universitatea de Științe Agronomice și Medicină Veterinară București**

**EUFRUIT – European Fruit Network**

**Balandran – 1st of March 2017**



# Introduction

Position: 43° 37' and 48°15' northern latitude  
and 20 °15' and 29°41' eastern longitude

Area: 238,392 km<sup>2</sup>

Population: aprox . 22,500,000

Language: Romanian (neo-latin)

Climate: - temperate, excessive continental

- average annual temperature: 8-11 degrees Celsius

- annual rain fall: 450-800 mm

Agriculture: - arable land: 10 million hectares

- vineyards: 250,000 hectares: several local cv.

- fruit orchards: 200,000 hectares: temperate fruits:

Apples, European Plums, Pears, Quinces, Peaches, Apricots, Sweet & Sour Cherries, Walnuts, Hazelnuts, Chestnuts, Berries etc.



# University of Agronomic Sciences and Veterinary Medicine București



**B-dul Mărăști, 59, 011464, București, [www.usamv.ro](http://www.usamv.ro)**



## Faculty of Horticulture

<http://www.horticultura-bucuresti.ro>



**Research Center for Integrated Fruit Growing**  
B-dul Mărăști, nr 59, Sector 1, 011464, București  
Tel. +40.722.641795, Fax : +40.21.3182888, [www.pomosat.ro](http://www.pomosat.ro)  
E-mail: [pomicultura\\_integrata@yahoo.com](mailto:pomicultura_integrata@yahoo.com)



# Research Center for Integrated Fruit Growing USAMV București

## European Plum Variety testing and planting systems

**Year of planting: 2006**

**Varieties: 20**

Amers, Anna Spâth, Bluefree, Brzoskwinia, Čačanska Rana, Centenar, Empress, Firenze 90, Gras Românesc, Grossa di Felisio, Pescăruș, Precoce d'Ersinger, President, Ruth Gerstetter, Silvia, Sliva Nectarina, Stanley, Wegierka Zwykla

### **Canopies and planting systems:**

- Bush Vase – 5.0 x 3.0 m
- Tatura trellis – 5.0 x 1.5 m
- Simple Palmette – 4.0 x 3.5 m
- Trident – 4.0 x 2.0 m

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**Bush vase – 5.0 x 3.0 m**

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**Tatura trellis – 5.0 x 1.5 m**



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**Tatura trellis – 5.0 x 1.5 m**

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**Simple Palmette – 4.0 x 3.5 m**



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## European Plum

### New plum rootstock testing

**Year of planting: 2013**

**Varieties: 2 + 3**

Čačanska Leptica, Jojo

Elena, Presenta, Top Hit / Miobolan 29 C

**Rootstocks: 4 + 1**

Docera 6, Dospina 235, Weiwa, Wavit

Miobolan 29 C

**Canopies and planting systems:**

- Trident – 4.0 x 2.0 m

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**Trident – 4.0 x 2.0 m**

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**Trident – 4.0 x 2.0 m**

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Čačanska Lepotica



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## Sweet Cherry Variety and Rootstock testing

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**Year of planting: 2005**

**Varieties: 13**

Bigareau Burlat, Boambe de Cotnari, Gemersdorf, Hedelfinger, Katalin, Kordia, Regina, Rivan, Sam, Ulster, Van, Vega

**Rootstock: 1**

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Mahaleb

**Canopy and planting system:**

- Bush vase – 4.0 x 2.0 m, than Transversal Y 4.0 x 2.0 m

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**Bush-vase 4.0 x 2.0 m – mulching with Agrotex**



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**Bush vase 4.0 x 2.0 m – formation**

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**Bush vase 4,0 x 2,0 m**

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**Bush vase 4.0 x 2.0 m, converted to transversal Y**



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## Sweet Cherry

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### Variety and Rootstock and Canopy testing

**Year of planting: 2008**

#### **Varieties: 15**

Bigareau Burlat, Celeste, Early Red, Ferrovia, Firm Red, Giant Red, Giorgia, Kordia, Lapins, Mora di Vignola, New Star, Regina, Skeena, Van, Vega

#### **Rootstocks: 5**

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PHL-C, CAB 6P, CAB 11 E, Mahaleb, COLT

#### **Canopies and Planting systems:**

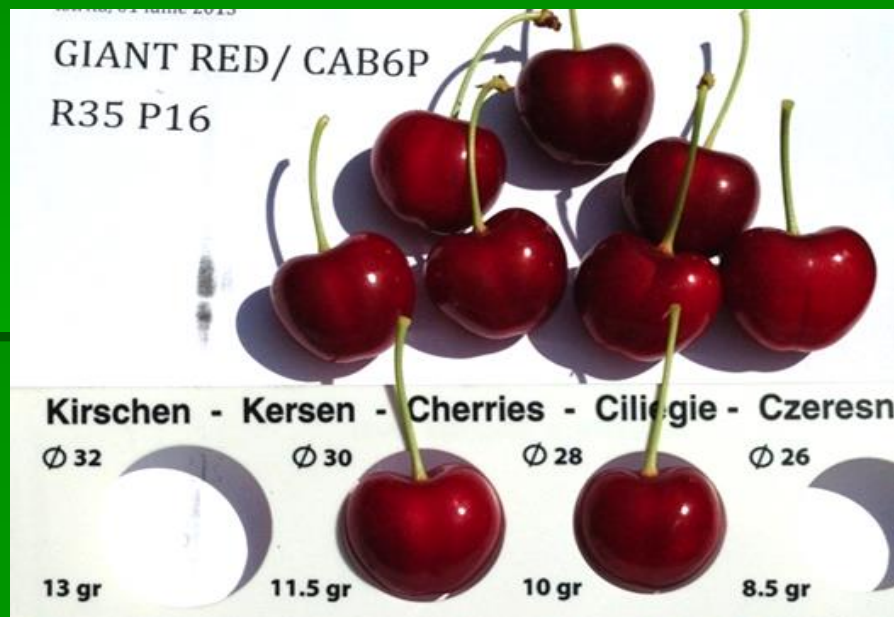
- Vertical axe – 4.0 x 1.0-1.5 m
- Drapeau Marchand 4.0 x 2.5 m

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**Vertical axe 4.0 x 1.0 m – PHL-C**

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Pruning techniques – big size fruit



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## Sweet Cherry

### New Variety testing

**Year of planting: 2014**

**Varieties: 13**

Alex, Andrei, Bucium, Cociu, George, Iașirom, Iosif, Ludovic, Maria, Paul, Rubin, Severin, Ștefan, Cetatuia, Margo, Lucia

**Year of planting: 2015**

**Varieties: 10**

Aida, Annus (Anita), Alex (Axel), Carmen, Paulus (Pal), Petrus (Peter), Rita, Sandor, Tunde, Vera

**Rootstock: 1**

Mahaleb

**Canopy and Planting system:**

- Trident- 4.0 x 2.5 m

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**Trident – 4.0 x 2.5 m**





# Research Center for Integrated Fruit Growing USAMV București

## Sweet Cherry

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### Variety and Rootstock and Canopy testing

**Year of planting: 2015**

**Varieties: 5**

**Sweet series – UNIBO - Aryana, Gabriel, Lorenz, Saretta, Valina**

**Rootstock: 2**

**Gisela 5, Gisela 6**

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**Canopy and planting system:**

- Vertical axe- 4.0 x 1.5 m
- Bi - Baum – 4.0 x 2.0 m



# Research Center for Integrated Fruit Growing USAMV București

## Apricot

### Varieties, Canopies and Planting systems testing

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**Year of planting: 2008**

#### **Varieties and selections: 34**

Adina, Alexandru, Amiral, Augustin, Auruș, Bela, Bucovina, Carmela, Cea mai bună de Ungaria, Cristal, Dacia, Danubiu, Early Orange, Elmar, Excelsior, Favorit, Fortuna, Goldrich, Harcot, Ilinca, Mamaia, Nicușor, Olimp, Orizont, Ovidius, Rareș, San Castrese, Siret, Sungiant, Sweet Cot, Tudor, Valeria, VT 92.01.10 (Elmar), VT 95.03.49 (Ovidius)

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#### **Canopies and Planting systems:**

- Vertical axe – 4.5 x 1.5 m
- Bi Baum – 4.5 x 1.5 m
- Drapeau Marchand 4.5 x 3.0 m
- MIKADO 4.5 x 2.5 m
- Trident – 4.5 x 2.5 m

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**Mikado**



**Drapeau Marchand**



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## **Peach**

### **Varieties, Canopies and Planting systems testing**

**Year of planting: 2015**

#### **Varieties and selections: 8**

- Spring Belle, Cardinal, Raluca - peaches
- Monica, Florin, Filip – flat peaches
- Mimi, Catherine Sel. 1 – can peaches

#### **Canopies and Planting systems:**

- Vertical axe – 4.0 x 1.5 m



## Research on new fruit species

since 1993: kiwi fruit, Chinese jujube (date), asimina or Northern banana, kaki, etc.



*Actinidia deliciosa*

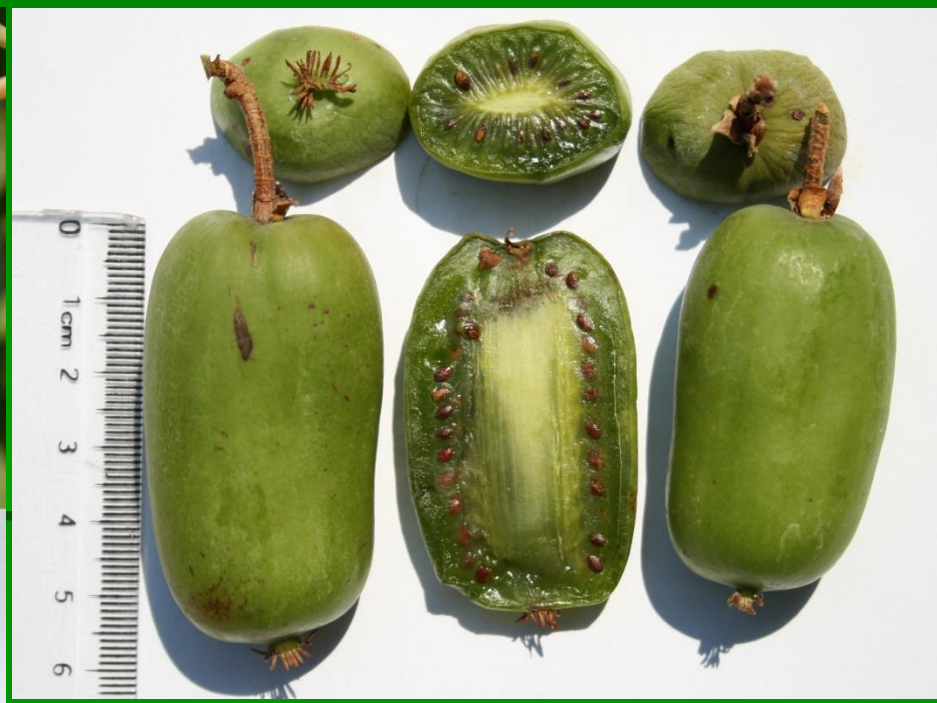
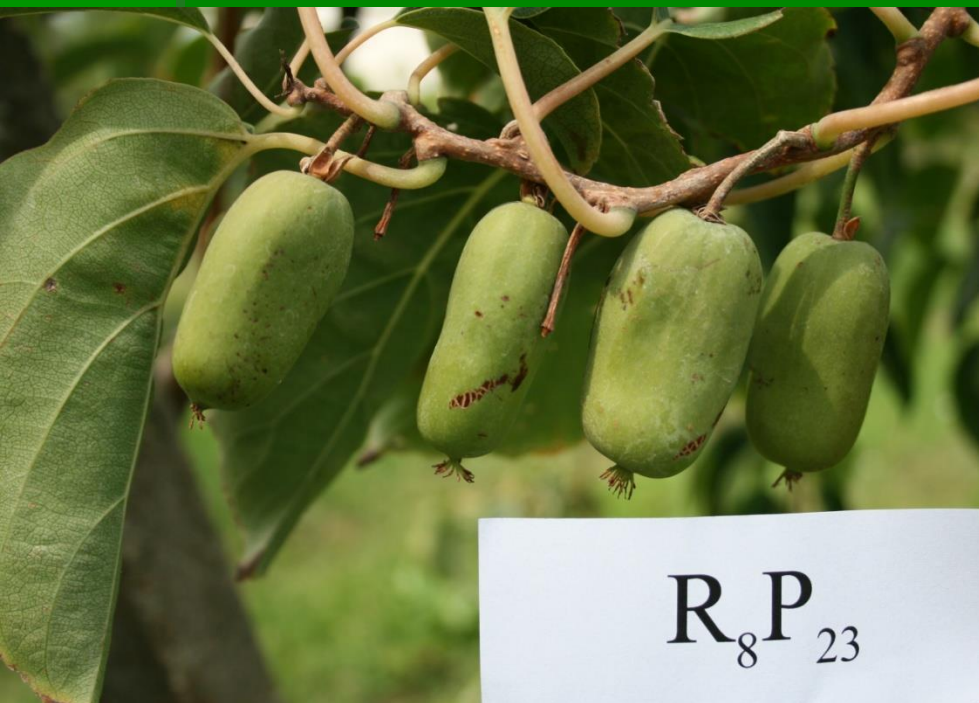


*Actinidia chinensis*

# Baby kiwi – *Actinidia arguta*

- R<sub>8</sub>P<sub>23</sub>

- Big Delight – A 380



# Baby kiwi – *Actinidia arguta*

- elita R<sub>10</sub>P<sub>10</sub>





# Research on new fruit species

## Asimina, pawpaw or Northern banana



*Asimina triloba* Dunal



Fam. Suciu Ioan - 1926



- **New variety - Simina**



**VITROPLANT 2**



**VITROPLANT 2**



# Research on new fruit species

## Chinese jujube (date)



*Ziziphus jujuba* Mill.



# Workshop: Chinese Jujube a new fruit for Europe

București, 9-12 Oct. 2016









# Field visit to Ostrov - Danube shore – local Chinese jujube



# Fruit Events in 2017

## București Horticulture Open Days and Hortus FlorShow

4-7 May 2017



# Fruit Events in 2017

## Sweet Cherry Festival at Istrița, Buzău - 10 June 2017







# ISTRITA

Since 1893



[www.pepineraistrita.ro](http://www.pepineraistrita.ro)



## Screen house – Istrița Nursery



Prebase



Base



## IX International Peach Symposium

organized under the auspices of the Romanian Academy, ISHS and the Romanian Society of Horticulturists (SRH) at the University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Horticulture

### Location

București, Romania

### Begin date

July 2, 2017

### End date

July 6, 2017

### Convener

**Prof. Dr. Florin Stănică**

Website: <http://peach2017.com> Email: [contact@peach2017.com](mailto:contact@peach2017.com)

### Groups involved

- Section Pome and Stone Fruits
- Workgroup Peach Culture



## IX International Peach Symposium

The themes for the IX International Peach Symposium are:

- Genetics and Breeding
- Biotechnology
- Propagation and Nursery Practices
- Rootstocks
- Planting systems and Orchard Management
- Plant protection
- Postharvest Physiology
- Postharvest Management
- Product Development
- Marketing and Value chains



# IX International Peach Symposium

## Provisional program

### Sunday, 2<sup>nd</sup> of July

17:00-21:00 Welcome and Registration

### Monday, 3<sup>rd</sup> of July

08:00-09:00 Registration and Poster display

09:00-09:30 Opening ceremony

09:30-13:00 Working sessions (Biotechnology, Genetic Resources and Breeding)

13:00-14:30 Lunch

14:30-16:30 Working sessions

17:00-20:00 Excursion to Village Museum

### Tuesday, 4<sup>th</sup> of July

08:00-13:00 Working sessions (Ecophysiology, Rootstocks and Orchard Management, Pest and Diseases)

13:00-14:30 Lunch

14:30-16:30 Working sessions

17:00-18:30 Round table

18:30-20:30 Panel Test



# IX International Peach Symposium

## Provisional program

### Wednesday, 5<sup>th</sup> of July

08:30-13:00 **Technical excursion** - Research Institute for Fruit Growing Pitești-Mărăcineni – Prunus Breeding Working Group

13:00-14:30 Lunch

14:30-16:30 Fruit Exhibition. Field visit.

16.30 - Visit to Curtea de Argeș Monastery. Royal Burial Church.

18.00 - Dinner at Curtea de Argeș

### Thursday, 6<sup>th</sup> of July

08:00 - 13:00 Working sessions (Fruit quality, Postharvest and Marketing)

13:00-14:30 Lunch

14:30-16:30 Working sessions

17:00-18:30 Round table

20:00 – Symposium official dinner

### Friday, 7<sup>th</sup> of July

**Post-Congress tour:** Technical excursion in Dobrogea Region.

Constanța Fruit Research and Development Station. Comly Însurăței. Danube Delta.

In addition, there will be interesting programmes for accompanying persons



**We wait for you to join us at  
IX International Peach Symposium**

**Prof.dr. Florin STĂNICĂ and the Organizing committee**