SOUR CHERRIES FROM RESEARCH STATION FOR FRUIT GROWING IASI - ROMANIA

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ROMANIA - 7,761 ha sweet and sour cherry (2014) of which 3,500 ha (45%) is sour cherry.

But:

In Romania at present is ongoing an program for renewing local fruit growing.
COST Action FA1104 – Sustainable Production of high-quality cherries for the European Market - COST meeting - Sour cherry breeding- Dresden, Germany 13-16 July 2015

**Production**

- Extensively: 65%
- Intensive: 3%
- High-intensive: 2%

**Age of plantations**

- Over 25 years: 58%
- 10-25 years: 26%
- 1-10 years: 16%
North East area = 1047 ha (30% from total surface):

Counties:
- Iaşi = 573 ha
- Vaslui = 273 ha
- Neamţ = 60 ha
- Suceava = 49 ha
- Bacau = 92 ha
- Botoşani = 10 ha
Sour cherry collection from RSFG Iasi was established in 2000 as a replication of the RIFG Pitesti National Collection.

Iasi area - very suitable in terms of climate and soil conditions to maintain cherry genotypes.

Collection consists of 102 autochthonous and foreign genotypes.

Nursery 128 ha: sour cherry 2,000 trees/year, from 6 cultivars
## PLANT MATERIAL FROM IASI NURSERY

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TIMPURII DE OSOI

Released in 1990
Authors: I. Bodi, C. Bazgan & G. Dumitrescu.
Genitors: Selection collected from a local population.
Tree of medium vigor; early ripening; yielding on bouquets and mixed branches.
The variety is partially self fertile, with late blossoming period.
The fruit is about 4,9-5,3 g, of red color, shiny, red pulp, medium consistency, juicy, sweet slightly sour taste, with about 15% dry soluble solids in juice, 5,5 % stone.
It starts into bearing in the 5th year since planting and has a production capacity of 7 t/ha (714 trees/ha);
Weaknesses: small fruit production recorded in the some years.
STEELAR

Released in 2008
Authors: S. Budan
Genitors: Mocanesti 16 X Anglaise Hative
Tree: medium-strong vigor, upright spreading canopy, spur, partial self-fertile, intermediate yield efficiency, tolerant to Monilia sp. and Blumeriella jaapii (Rehm) Arx.)
Fruit: large size (6.2 g), round-elongate shape, long stalk, dark red skin color, soft flash firmness, juicy, pink juice, intermediate stone size, sweet/acid taste, excellent for fresh fruit market and for processing.
Harvest maturity: end of the first decade of June.
RIVAL

Released in 2004
Authors: S. Budan
Genitors: Griot Moscovski X Nana
Tree: intermediate vigor, spreading canopy, partial self-fertile, good yield efficiency, sensitive to Monilia and tolerant to Blumeriella jaapii (Rehm) Arx.)
Fruit: medium-large size (5g), elongate shape, long stalk, red skin color, soft flash firmness, juicy, red juice, large stone size, acid taste, excellent for processing.
Harvest maturity: at the end of June.
CRISANA 2

Released in 1975
Authors: V. Cociu
Genitors: Selection collected from a local population.
Tree: strong vigor, globose canopy, self-sterile, intermediate yield efficiency
Fruit: large size (7g), round shape, long stalk, red skin color, intermediate firm flash, juicy, light red juice, large stone size, intermediate sweet/acid taste, excellent for fresh fruit market and for processing.
Harvest maturity: in the mid of June.
PITIC

Released in 1978
Authors: I. Bodi.
Genitors: open pollination of Plodorodnaia Miciurina.
Tree is of low vigor, fructification on bouquets and long weeping branches.
The variety is self fertile with late blossoming period.
The fruit of medium weight (4.8 g), of red skin color, with juicy pulp, intensively colored juice, 12-13% content of dry soluble solids, high acidity, 8-9% stone.
It starts into bearing in the 4th year since planting and has a production capacity of 7 t/ha (714 trees/h);
Weaknesses: medium resistance to Monilia sp.
ILVA

Released in 1982
Genitors: Selection collected from a local population.
Tree of medium vigor, yielding on bouquets and long branches.
The variety is self fertile, with late blooming, by free pollination fruit set is around 24% of the flowers.
The fruit is medium size (5,0 g), spherical shape, shiny dark red, red pulp, juicy, red juice, slightly sour taste, more pleasant than Schattenmorelle, with 1,71 % titrated acidity, 7,36% total sugar and 6,8 % stone.
Qualities: tolerance to Monilia sp. and Blumeriella jaapiii; mixed destination for fresh consumption and processing as juice, jams, compote and cherry brandy.
BOTOȘANI

Released in 1994.
Authors: L. Petre & E. Cârdei.
Genitors: Selection collected from a local population.
Tree - medium vigor, yielding on bouquets and mixed branches.
The variety is **partially self fertile** with medium blooming period.
**Large fruit (7.2 g)**, red skin color, with juicy pulp, intensively colored juice, 18% dry soluble solids content, **low acidity**, 5.2% stone.
It starts into bearing in the 4th year since planting and has a production capacity of 7 t/ha (714 trees/ha);
**Weaknesses**: sometimes at harvesting, some small stipules detach at the peduncle base, giving an unpleasant aspect.
THANK YOU FOR YOUR ATTENTION!