NEW SOUR CHERRY CULTIVARS IN SERBIA

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BREEDING GOAL - To create a new cultivar that will be well adapted to the environmental conditions of the area, resistant to economically important pest and suitable for either table consumption or for processing.

CREATING NEW CULTIVARS:
- Clonal selection
- Planned hybridisation
In 2014 four new sour cherry cultivars were recognized in Serbia:

1. `LENKA`
2. `NEVENA`
3. `ISKRA`
4. `SOFIJA`
LENKA

- It was selected as a spontaneous seedling
- It blooms early
- Method of fluorescent microscopy proved that this is a self-compatible cultivar.
- The maturing time is also early.
- High productivity.

- The fruit is larger (7.6 g),
- The taste is sweet-acidic, harmonic, having soluble solid/total aciditivy ratio (17.72).
- Fruits are suitable both for fresh consumption and for processing.
- Resistant to economically important diseases (*Monilinia laxa* and *M. fructigena, and Blumeriella jaappi*) and low temperatures.
- Regarding large fruit and pleasant taste, this cultivar could be used both for processing and table consumption.
NEVENA
Köröser Weichsel × Heimanns Konserven Weichsel

• Moderate vigour
• Ripens in the half of the third decade of June
• Abundant and steady cropper
• Large to very large fruit
• Fruit is 7.2 g, mesocarp ratio 90.69%
• 15.55% SSC, TA 1.64%
• Dark red mesocarp and juice

• Medium long stalk
• Tolerant to Blumeriella jaapii (Rehm) v. Arx
ISKRA
Köröser Weichsel × Heimanns Rubin

- Moderately vigorous
- Ripens towards the end of June
- High cropper
- Large to very large fruit
- Light red skin
- Fruit is 7.45 g, mesocarp ratio 91.14%
- 17.55% SSC, TA 1.91%
- Whitish mesocarp of sweet acid flavour
- Light red juice
- Medium long stalk
- Tolerant to Blumeriella jaapii (Rehm) v. Arx
SOFIJA
Čačanski rubin × Heimanns Konserven Weichsel

- Mid-late flowering
- Moderately vigorous with bended branches
- Ripens towards the third decade of June
- Large fruit
- Ruby red skin and juice
- Long stalk
- Fruit is 7.25 g, mesocarp ratio 88.83%
- 10.6% SSC, TA 1.37%

• Classified as resistant to Blumeriella Jaapii (Rehm) v. Arx
THANK YOU FOR YOUR ATTENTION