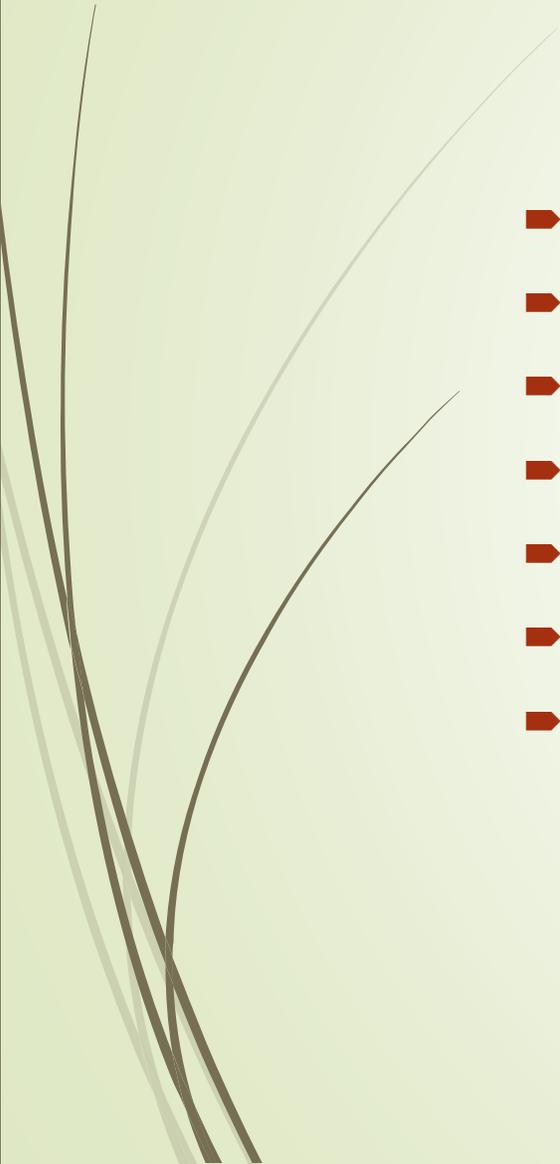


DEPARTMENT OF FRUIT GROWING AIO





ACTIVITY OF FRUIT GROWING DEPARTMENT

- 
- Fruit tree nursery
 - Mother tree nursery of certified material
 - Scientific and research work
 - Introduction of new varieties and rootstock
 - Experimental orchard
 - Clonal selection of sour cherry
 - National and domestic projects

FRUIT TREE NURSERY

- ▶ Production of 50.000 fruit trees- focus on stone fruits (cherries, plum, apricots)
- ▶ In vitro and generative rootstocks
- ▶ Trees with lateral branches one year old and two year old
- ▶ Cherries and sour cherries
 - ▶ Generative rootstock Prunus mahaleb and Prunus avium
 - ▶ Vegetative rootstock on Gisela 5 and Gisela 6
 - ▶ Most popular varieties Burlat, Carmen, Kordia, Regina, Lapins, New star
 - ▶ Sour cherry Oblacinska and diferent Hungarina varieties for processing



FRUIT TREE NURSERY

- ▶ Plum production
 - ▶ Grafted on *Prunus myrabolana* or Wawit
 - ▶ New varieties from from Germany Top selection
 - ▶ Trees for high density orchards or standard
- ▶ Apricot production
 - ▶ Grafted on *Prunus myrabolana*, *Prunus armeniaca*, Wawit and interstock plum variety
 - ▶ Selection from Hungary and Serbia
 - ▶ Most popular varieties Hungarian best, Bergeron, Sungiant selection from University of Novi Sad



Clonal selection of sour cherry

- 4 types of Oblacinska sour cherry
- Most suitable sour cherry variety for processing and mechanical harvest
- Low vigorous and high productivity- small fruit size good for industrial purpose
- Low requirement for pest management



MOTHER TREE NURSERY

- ▶ Production of 2 million of certified budwood and graftwood for nurseries
- ▶ All varieties of apples, pear, plums, apricots, almond, peach and nectarine, quince, cherries....
- ▶ Screen house for basic and prebasic material



Scientific and research work

- ▶ Work on abiotic and biotic stresses on fruit varieties, local and introduced
- ▶ Tolerancy on pests and plant disease
- ▶ New technology in plum production- high density orchards, mechanical thinning of flowers
- ▶ Fruit quality in agroecological conditions of eastern Croatia
- ▶ Effect of reflective ground cover on apple coloration



Experimental orchard and introduction of new varieties and rootstock

- 5 ha of experimental orchard apple, pear, plum, apricots, cherries
- Different density and rootstock
- 50 varieties of apples, 25 varieties of plums and apricots, 10 varieties of pears

