



evropský
sociální
fond v ČR



EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



OP Vzdělávání
pro konkurenceschopnost

Mendelova
univerzita
v Brně



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ



Inovace studijních programů AF a ZF MENDELU směřující k vytvoření mezioborové integrace CZ.1.07/2.2.00/28.0302

Tato prezentace je spolufinancovaná z Evropského sociálního fondu a státního rozpočtu České republiky



Significance of Fruit Tree Cultivation

- Fruit crops are cultivated for their fruits
- Fruit cultivation in the temperate zone aims to produce enough fruits for direct consumption and enough material for processing industry

Fruits may be classified according to their use as:

- Table fruits

- Fruits for processing

- Fruits for Must, freshly pressed fruit juices (musts, juices, syrups, fruit concentrates, etc.)
- Fruits for salads
- Fruits for freezing industry
- Fruits for crystallization
- Dried fruits
- Fruits for liquor production
- Fruits for special purposes (children nutrition, diabetic products)
- Pectin production
- Fruits for seeds (production of rootstock, pomaceous fruits, stone fruits)

Today's Fruit Growing Industry and Fruits Production

- Traditional segment of Czech farming
- Most of temperate zone fruits is imported
- High investments (lots of seasonal workers, risks, etc.)
- More than 5,000 ha of orchards have gone within the last 20 years

Today's Fruit Growing Industry and Fruits Production

- Total acreage of fruit orchards: 22,868 ha, commercial orchards: 17,785 ha
- Problem: High share of old orchards – 46 % of commercial orchard acreage
- Unsatisfactory age structure: Berries, peach trees, apple trees, sour cherry trees
- Optimum age structure: Plum trees, black currant, pear trees

Colum-shaped trees – sour cherry tree



Today's Fruit Growing Industry and Fruits Production

- Lack of investments for establishments of new orchards
- Acquisition of 1 ha of intensively cultivated orchard (irrigation, supports) - close to CZK 1,000,000
- This sum does not cover other expenditures (packaging, storage, post-harvest treatment)

Today's Fruit Growing Industry and Fruits Production

- 1995-2012: 11,400 ha of production orchards planted
- Recently, 300-400 ha are planted annually (twice the amount is required though)

Fruit-growing Regions

- There are several major regions:
- · Český Brod, Kolínsko, Nymbursko, Kutnohorsko regions
- Northwest of Prague to the Slané region
- · Podkrkonoší and the Českého Středoohoří region
- · Turnovsko, Jičínsko, Orlické hory regions

Fruit-growing Regions

- South Moravia, Brno, Znojmo, Břeclav
- Central and North Moravia, Olomoucko and Mohelnicko regions
- · Zlínsko, Ostravsko, Hladké Životice regions
- Southern Bohemia, Lhenice, Chelčice
- Northern Bohemia, Rokycansko

Fruits production

- Total yield from production orchards:
150,000 – 200,000 tons
- 80 % of the production is cultivated in accordance with the principles of integrated production