

**Getting the pomological base**

L 4

**KNOWLEDGE****He/she is able to**

1. describe the features of the most important fruit species (apple, pear, plum, cherry and sour cherry) by the following points:
  - a) origin and ecological needs
  - b) phenology
  - c) morphology of trees, fruiting buds, fruits (most detailed)
  - d) inner quality parameters of fruits (sugar/acid content, nutrition value)
2. name the general requirements of the varieties suitable for traditional orchards
  - a) Requirements related to technology (tolerance to pests and diseases, competing plant species, abiotic growing conditions, special bearing habit etc.)
  - b) Requirements related to marketing and rural development (consumer's preferences, protection of cultural values etc.)
3. describe the features of 30 fruit varieties for traditional orchards by the following points:
  - a) Fruit morphology
  - b) Vegetative features
  - c) History and origin
  - d) Phenology
  - e) Tree vigour and natural habit
  - f) Yield and fruit quality (appearance and inner quality)
  - g) Special properties (pest/disease resistance/susceptibility, fertility conditions, recommended growing conditions, technology needs, processing value etc. )
4. explain the advantages and disadvantages of old varieties (special appearance, taste, rareness, remarkable products, healthy growing conditions, etc.)
5. describe the different tastes and flavours of fruits and the methods of tasting fruits
6. name sources, where to get old varieties from

**SKILLS****He/she is able to**

1. identify the most important fruit species and to distinguish them from each other
2. identify 30 fruit varieties from fruit samples, distinguish them from each other and describe their features
3. taste fruits, assess their tasting features and describe their taste and flavour
4. search further information on (more) fruit varieties and their features systematically in order to improve his/her knowledge
5. collect fruits for an exhibition of old varieties suitable for traditional orchards

**COMPETENCES**

1. He/she chooses varieties for the establishment of a traditional orchard suitable for the local growing conditions in his/her own.
2. He/she demonstrates the varieties of a traditional orchard on fairs and exhibitions to raise awareness of old varieties and their features on his/her own.
3. He/she organises and conducts exhibitions of old fruit varieties for laymen and people interested in pomology on his/her own.