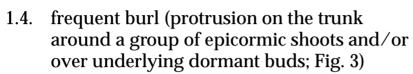
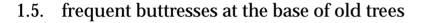


- 1.2. wide spreading, weak apical dominance when old, sometimes fastigiated
- .3. branches irregularly distributed along the trunk, frequent epicormic shoots (Fig. 2)









2. Bark

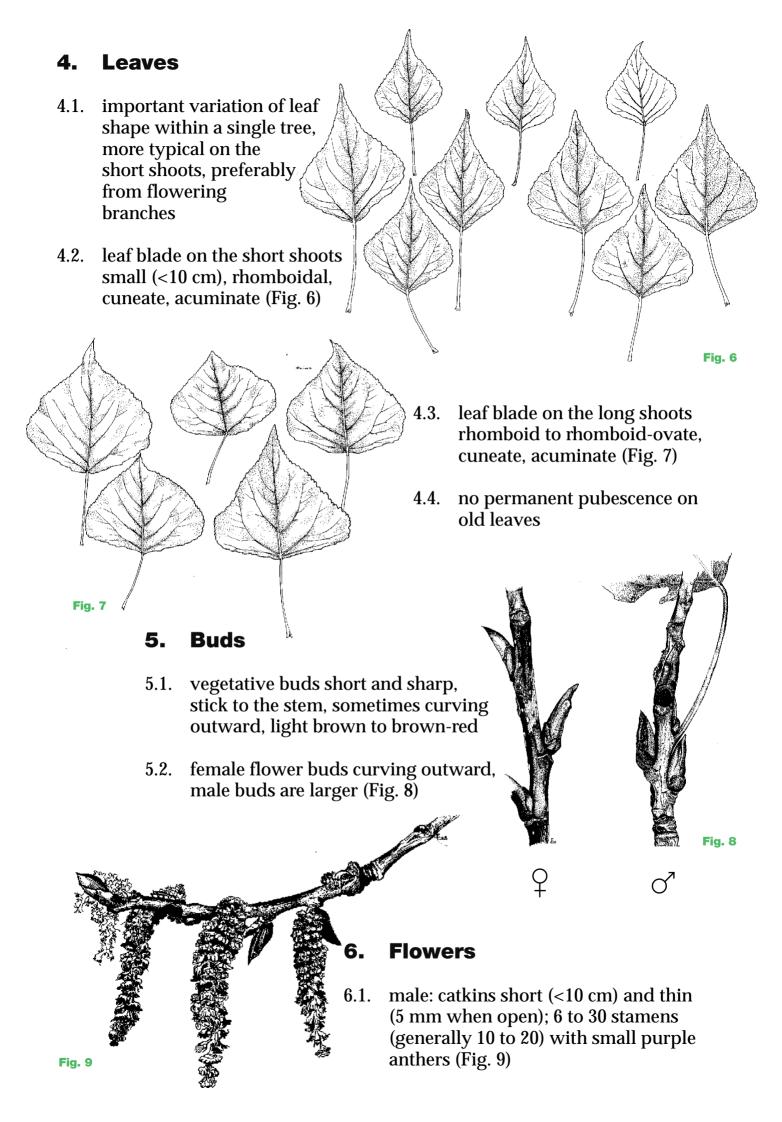
- 2.1. juvenile bark clear and smooth
- 2.2. mature bark very rough, longitudinally fissured with characteristic intercrossing (Fig. 4)

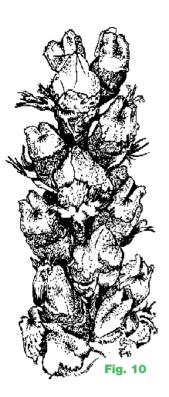
Fig. 4

3. Shoots

- 3.1. three main types of shoots: long terminal or lateral shoots, short shoots, epicormic shoots
- 3.2. long shoot of the year clearly cylindrical at the base, sometimes subangular, but no ribs
- 3.3. shoot of the year green in springtime, becoming yellow-brown in winter; shoots of the preceding years greybrown
- 3.4. numerous short shoots remaining on the 2-year-old and older shoots (Fig. 5)



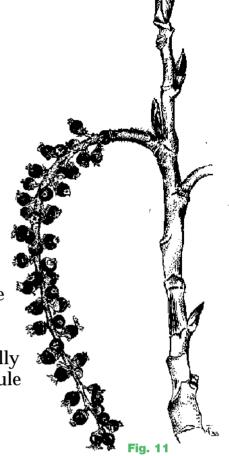




6.2. female: catkins short (8 to 10 cm when receptive), approximately 50 flowers per catkin; flowers with 2 stigma lobes as big as the ovary (Fig. 10)

7. **Fruits**

- capsules with short pedicel 7.1. (2 mm), ovoid with 2 valvae (Fig. 11)
- 7.2. 13 ovules per ovary, generally producing 5 seeds per capsule



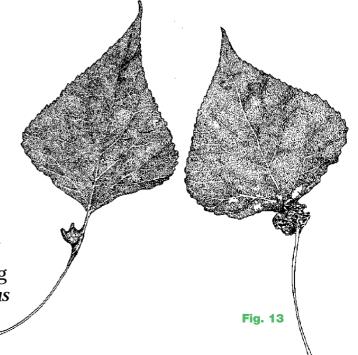


8.2. susceptible to the gall-making aphids of the genus Pemphigus (Fig. 13)

P. nigra

Other informative traits

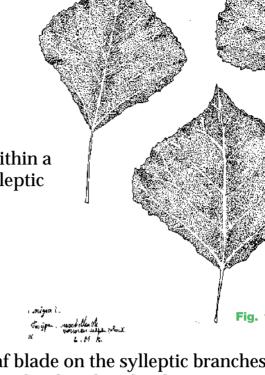
generally resistant to mistletoe 8.1. (Viscum album) (Fig. 12)



II. YOUNG TREES AND NURSERY STOOL-BED

9. Leaves

9.1. important variation of leaf shape within a single stem, more typical on the sylleptic branches



- 9.2. leaf blade on the sylleptic branches rhomboid to rhomboid-ovate, cuneate, acuminate (Fig. 14)
- 9.3. leaf blade on the stem rhomboid to rhomboid-ovate, sometimes subdeltoid but never deltoid; cuneate, acuminate (Fig. 15: a, b, c *Populus nigra*; d, f *P.* x euramericana; e *P. deltoides*)

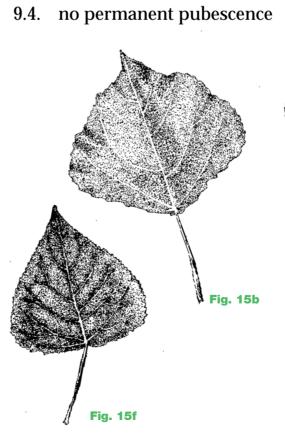


Fig. 15c

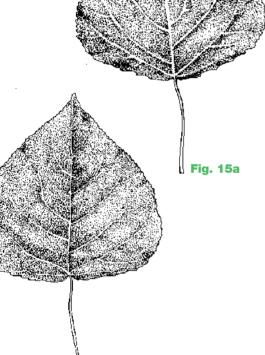
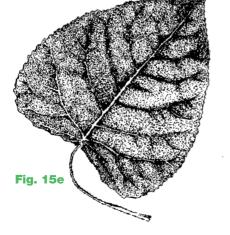
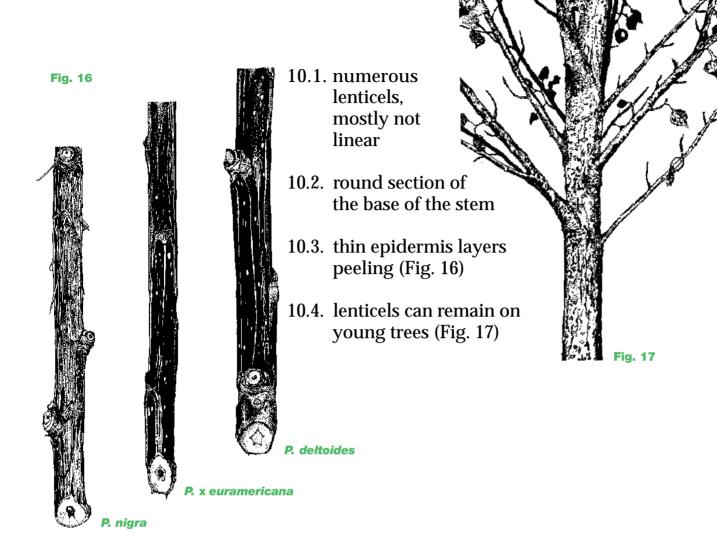


Fig. 15d



10. Shoots



This Identification Sheet was prepared by members of the EUFORGEN *Populus nigra* Network, in order to facilitate the simplest possible identification of the species from cultivated hybrids and possible introgressive forms. The morphological traits common to different species of the genus *Populus* are not referred to.

The drawings should be considered as having an indicative value in the field and can not represent strict taxonomic criteria. All illustrations were drawn by Mr Filip Coopman of the Institute for Forestry and Game Management in Geraardsbergen, Belgium. The original drawings were kindly provided as Belgium's contribution in kind to the Network.

This Identification Sheet is also available in French. Copies of both versions can be obtained from the EUFORGEN coordinator, IPGRI, Regional Office for Europe, Via delle Sette Chiese 142, 00145 Rome, Italy.

