Complete leaf → *A. dracunculus*

- Glabrous leaf
  - Leaf length: 2-20 cm → *A. annua*
  - Leaf length: 1-1.5 cm → *A. tilhoana*

- Compound leaf
  - Slightly hairy topside, very hairy underside
    - Green-grey colour on topside → *A. afra*
    - Green-grey colour on both sides → *A. pontica*
    - Complete or bifid lobed leaf → *A. verlotiorum*
    - Lobed, incised/dentated leaf → *A. vulgaris*

- Hairy leaf
  - Very hairy topside and underside
    - Leaf with thin flat lobes
      - Leaf with filiform lobes less than 2 mm wide → *A. abyssinica*
      - Acute apex lobes less than 1 mm wide → *A. schimperi*
    - Leaf with thin flat lobes
      - Long linear lobes 4 to 25 mm long and 1 to 7 mm wide → *A. absinthium*
      - Short enlarged lobes 5 to 6 mm wide → *A. gorgonum*