

Appointments

POACEAE FAMILY

9 It is most advanced family among monocots that is also known as Grass family or Gramineae.

10 Vegetative characters

11 Most of the grasses are annual, biennial or most frequently Perennial Herbs. They are rarely shrubs or Tree with woody stem which attain a height of 30 mt or more in Asiatic bamboos.

12 Stems are erect, prostrate or creeping usually cylindrical jointed with long internode that is usually hollow or sometime solid as in Zea, Sorghum etc.

Inflorescence-

2 It is spike of spikelets (Triticum), Panicle of spikelets (Avena) with Glumes

Flower-

3 They are small, inconspicuous, sessile, bisexual (except Zea) zygomorphic and hypogynous.

4 Perianth - Highly modified and is represented by 2 or 3 lodicules
i.e. fleshy & hyaline str.

Androecium-

5 Stamen 3 or 6 (in whorl), Polyandrous, Versatile Anther.

Gynoecium-

6 Monocarpellary, superior, unilocular ovary, Basal Placentation

7 Stigma is feathery.

Fruit - Caryopsis or Nut or Berry (Bambusa)

Floral Formula -

Br % ♀ P_{2 or 3} A_{3 or 6} G₁

Notes

