



Magnoliopsida

4.05. 2020.

fam. *Scrophulariaceae*

- **Habitus:** Uglavnom zeljaste biljke
- **Listovi:** naizmjenični ili naspramni, prosti, cijeli ili dijeljeni
- **Perijant:** 5-član, ili 4-član
- **Krunica:** simpetalna, zigomorfna (cvjetovi sakupljeni u grozdove, klasove ili pojedinačni)
- **Andreceum:** 5, 4 ili 2
- **Gineceum:** 2, sinkarpan
- **Plod:** čaura sa mnogo sjemena



Digitalis lanata – vunasti digitalis



D. purpurea



***Verbascum densiflorum* - divizma**





Euphrasia rostkoviana



Scrophularia nodosa



Linaria vulgaris



Gratiola officinalis





Veronica officinalis –
čestoslavica, ranilist

fam. Pedaliaceae

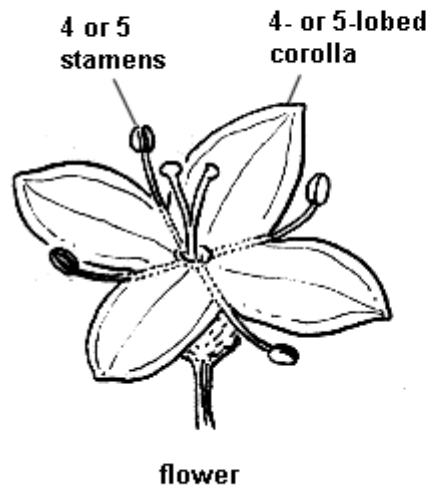


Sesamum indicum - susam

fam. *Rubiaceae*

- **Habitus:** zeljaste i drvenaste
- **Listovi:** naspramni, prosti, za zaliscima
- **Cvjetovi:** sakupljeni u cimozna cvasti
- **Perijant:** 5-član
- **Krunica:** simpetalna, aktinomorfna
- **Andreceum:** 5 prašnika (srasli sa kruničnom cijevi)
- **Gineceum:** 2 oplodna listićaa, sinkarpan
- **Plod:** različit

BEDSTRAW FLOWER PARTS



Galium verum –
ivanjsko cvijeće



***Asperula odorata* - lazarkinja**



***Rubia tinctoria* - broć**

Rubia peregrina



Coffea arabica - kafa



Cinchona succiruba – kininovo drvo



Sambucus nigra – crna zova



Sambucus ebulus –
aptovina, smrdljiva zova

Fam. *Sambucaceae* ili fam. *Caprifoliaceae*

Fam. Valerianaceae



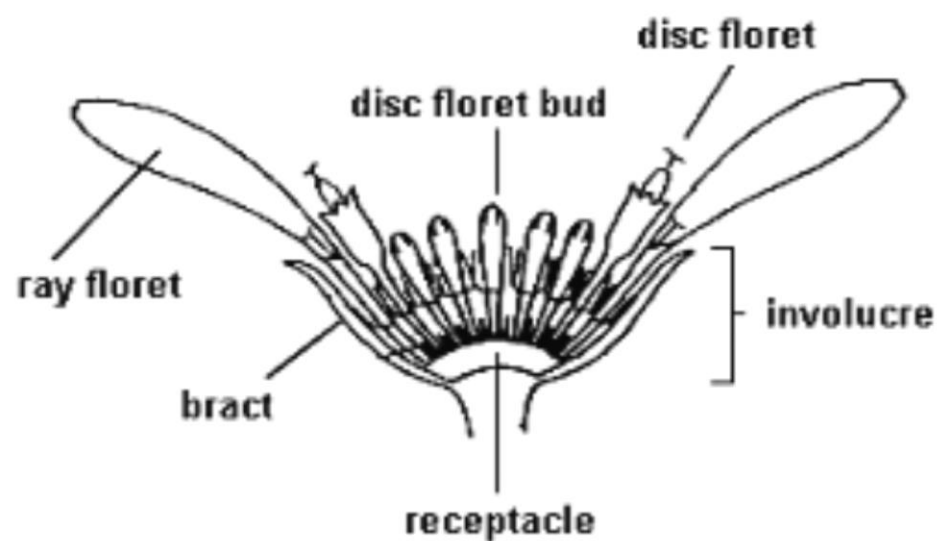
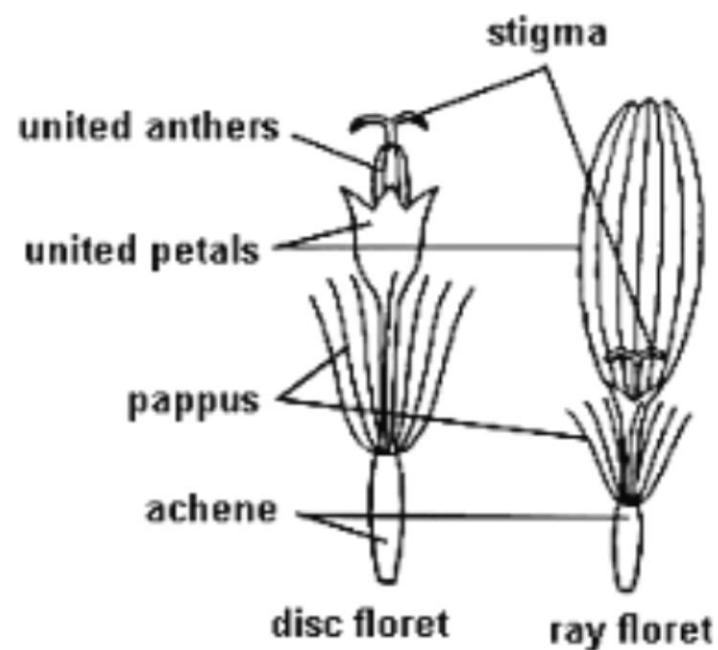
Valeriana officinalis – macina trava



fam. *Asteraceae*

- **Habitus:** zeljaste, sa mliječnim sokom ili uljima i različitim sekundarnim metabolitima
- **Listovi:** naizmjenični ili naspramni
- **Cvjetovi:** sakupljeni u glavice (GLAVOČIKE)
- **Perijant:** 5-član
- **Krunica:** simpetalna, aktinomorfna ili zigomorfna
- **Čašica:** nedostaje ili je u obliku čuperka dlačica (papus)
- **Andreceum:** 5 prašnika (srasli anterama)
- **Gineceum:** 2 oplodna listića, sinkarpan
- **Plod:** orašica, ahenija
- **Ekonomski značaj:** hrana, ukrasne biljke, insekticidi, ljekovite biljke

PARTS OF AN ASTER FLOWERHEAD



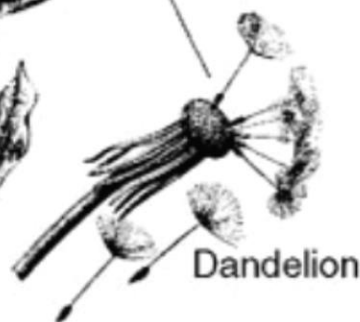
Patterns of the Aster or Sunflower Family

Plants of the Aster family are "composites" of many small flowers in a disk-like flowerhead.

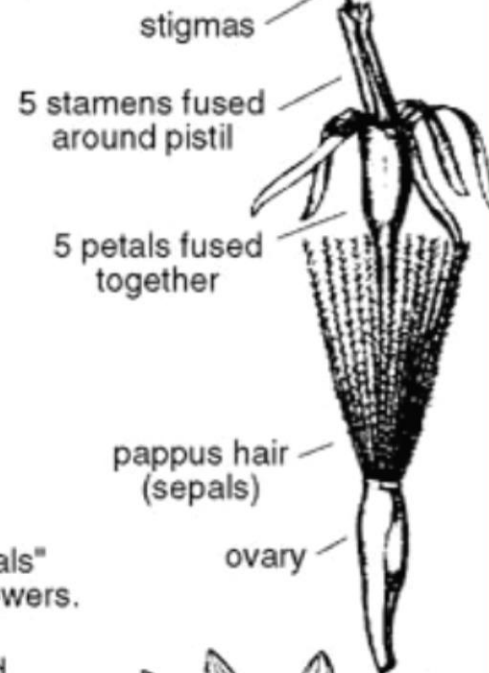
Asters are often easy to recognize from a distance.



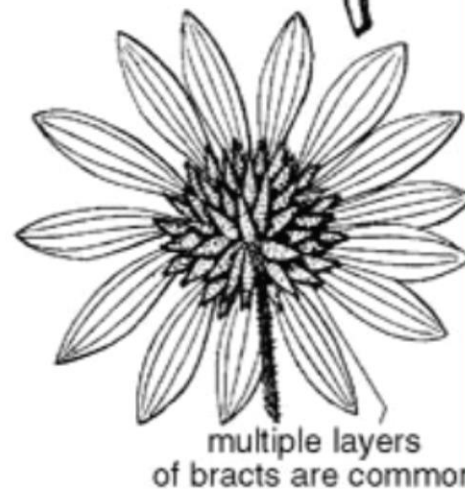
Each seed is produced by a single tiny flower.



A Typical Disk Flower



Even the "petals" are individual flowers.





Eupatorium cannabinum -
konopljuša



Inula helenium - oman

Helichrysum italicum – žuto smilje

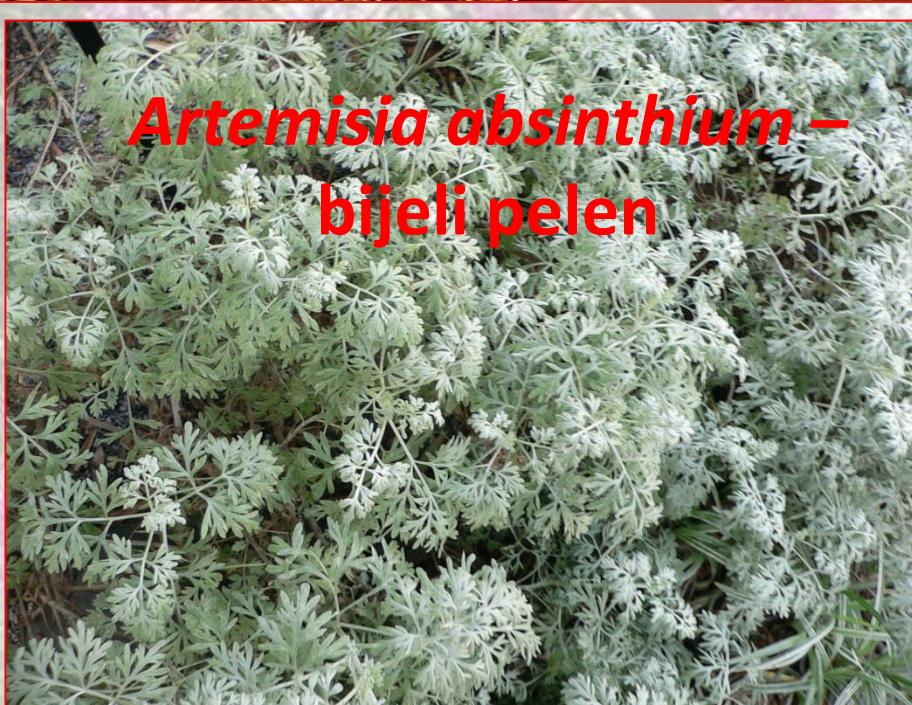


Achillea millefolium



Rod Lym@NDSU

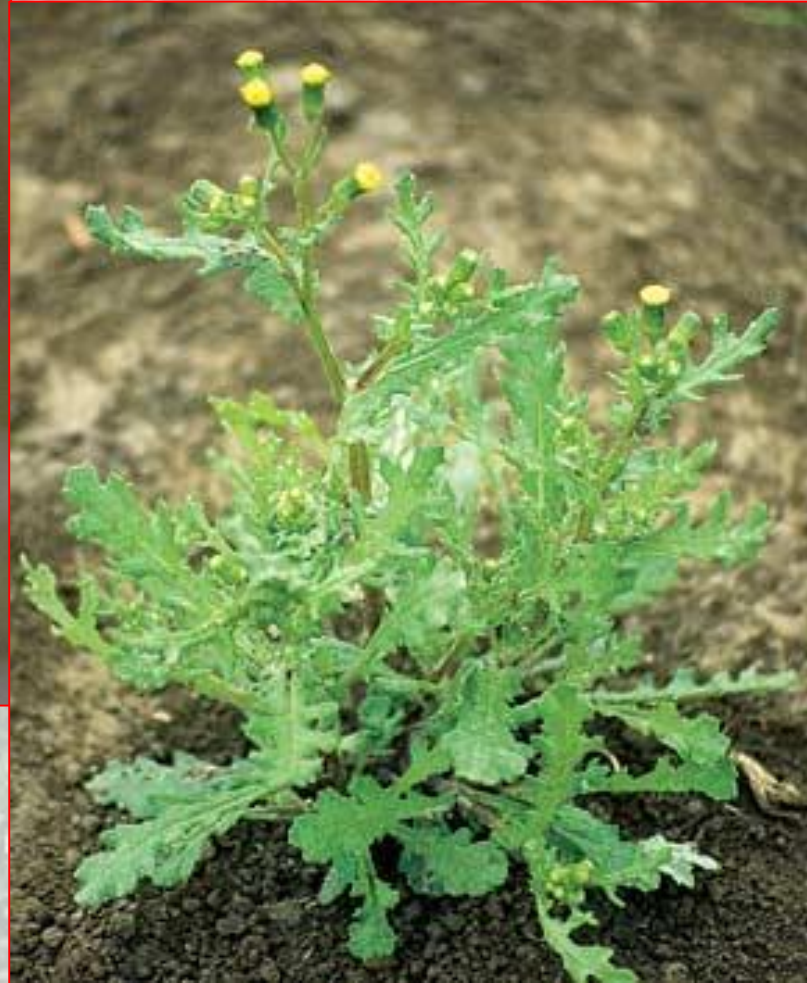
Ambrosia artemisiifolia



***Artemisia absinthium* –
bijeli pelen**

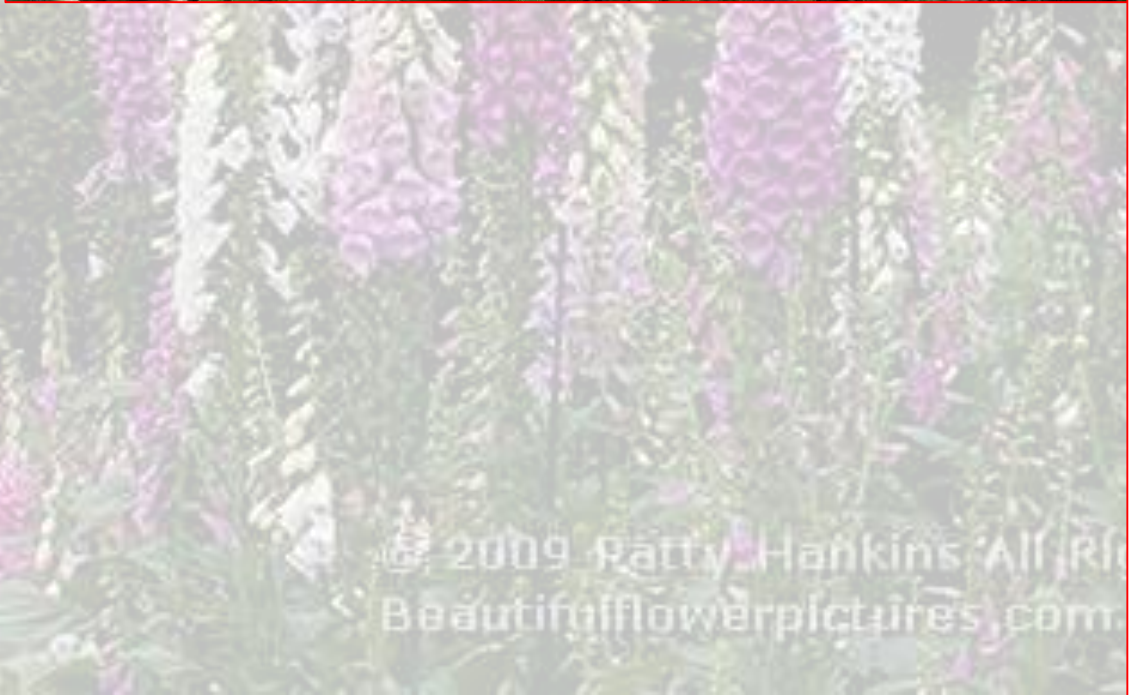
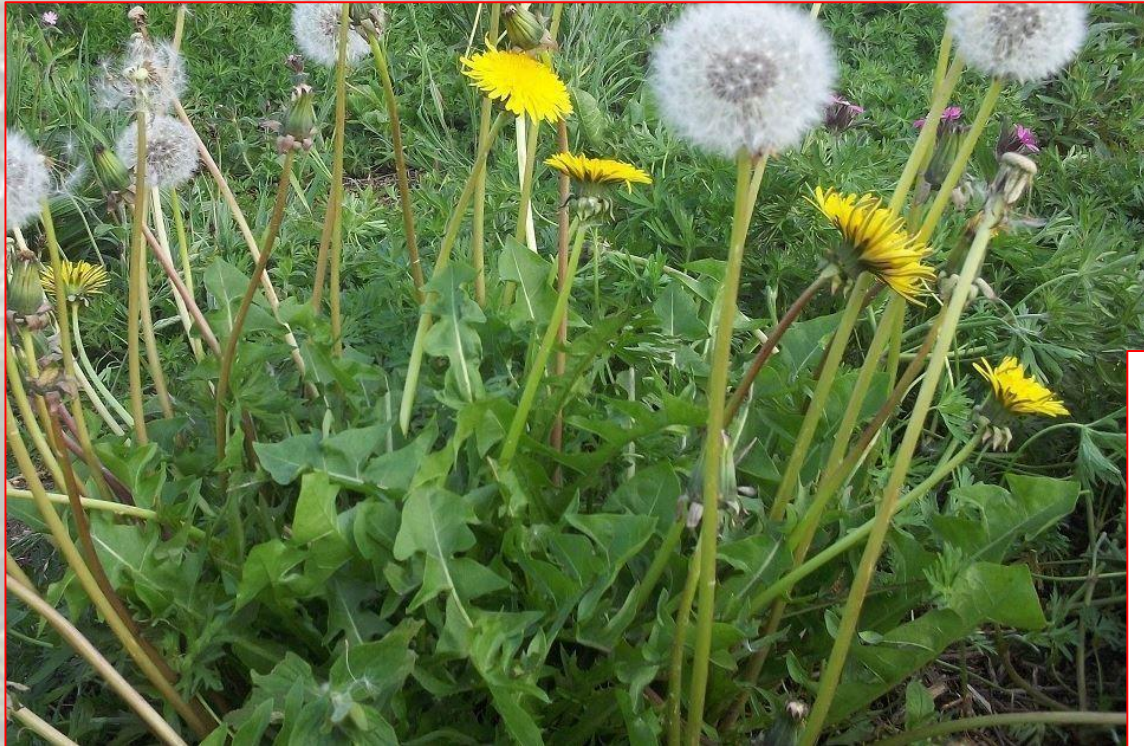


***Artemisia vulgaris* –
crni pelen, komonika**



***Senecio vulgaris* - dragušac**

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***Tusilago farfara* - podbjel**



***Calendula officinalis* - neven**