

A photograph of a field of wildflowers. In the foreground, there are numerous small yellow buttercup flowers. In the background, there are several tall, thin stems with white, flat-topped umbellifer flowers. The background is filled with green foliage.

# Apiaceae/Umbellifereae

Nickie Heath  
MG class of 2023  
5/30/2023



A close-up photograph of a plant with green, ribbed stems and several clusters of small, bright yellow flowers arranged in umbels. The background is a soft-focus blue sky with light clouds.

## General Characteristics

- AKA – Carrot family, Celery & Parsley family
- 434 Genera and 3700 species
- Members can grow as shrubs, trees, and climbing plants
- Flowers are in an umbel fluorescence
- Dicots
- Perfect flowers which have both pollen and ovule bearing parts





## Highly Attractive to:

- Pollinators
  - Bees
  - Birds
- Beneficial Predators
  - Lady beetle
  - Lacewings



## Uses



Culinary as vegetables,  
condiments and spices

Examples: Carrots, celery,  
parsnips, parsley, cumin, dill,  
anise



Medicinal

Example: Celery extracted  
methanol used as anti-bacterial  
and anti-inflammatory  
treatment in Africa





## Toxic members

- Some of the highly poisonous members include:
  - Poison hemlock
  - Fool's parsley
  - Giant hogweed
  - Wild parsnip
  - Queen Anne's Lace
- It is said that Socrates was executed by being forced to drink a tea made with poison hemlock



# Pathogens & Pests

- Pathogens
  - Variety of fungus
    - *Alternaria* leaf bright
    - Black rot
    - Powdery mildew
  - Bacterial
    - Bacterial leaf bright
    - Soft rot
- Pests
  - Aphids i.e. willow carrot aphid
  - Carrot rust fly
  - Flea beetle





## California Natives

- Herbaceous perennials and bi-annuals
  - *Angelica californica*
  - *Eryngium* (button celery)
  - *Sinicula* (Sanicle)
  - *Perideridia californica* (Yampah)





## Where Apiaceae Grows

