

A large orange shape on the left side of the slide, consisting of a rectangle with a quarter-circle cutout on its right side.

Brassicaceae Family

- Commonly known as the mustard, crucifer, or the cabbage family.
- Medium size family
- Includes crops, ornamentals, and invasive weeds

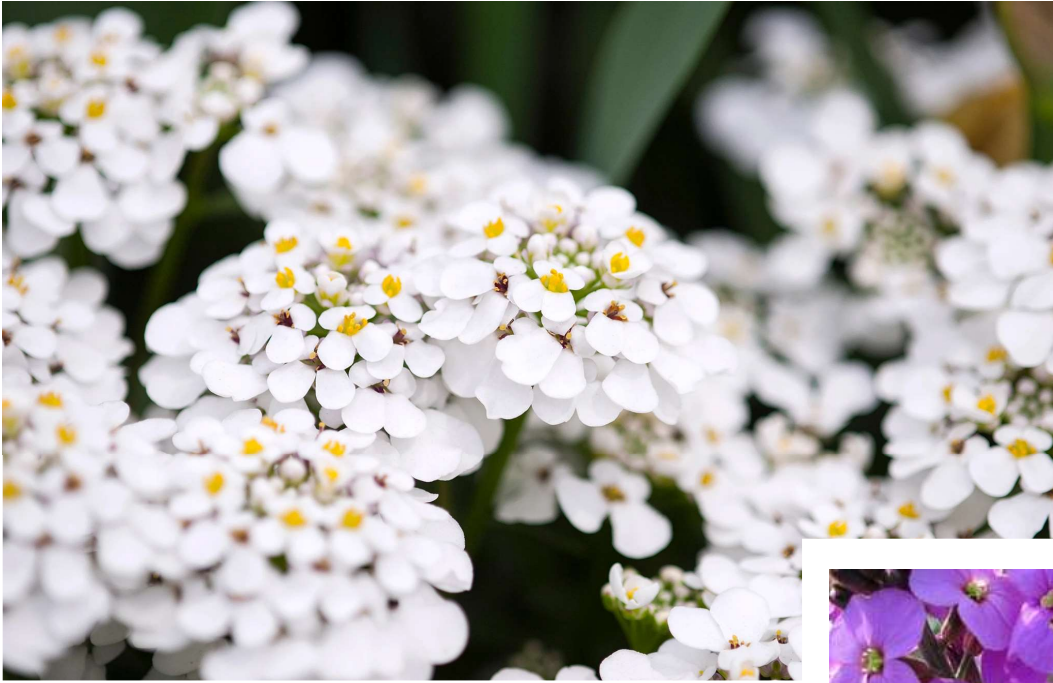


CROPS

A wide variety of economically important vegetables with many genera and species

Examples: cabbage, broccoli, kale, cauliflower, Bok choy, Brussels sprouts, and mustard plant





ORNAMENTALS

Flowers and vegetables are used to decorate home gardens and public spaces.





Ornamental Cabbage and Kale



Wild Mustard Plants account for the majority of the invasive weed Species.

Can be toxic to livestock.

COMMON TRAITS

Predominantly herbaceous plants

Simple alternating leaves

A common flower structure

Dicots (two embryonic leaves)

Annuals, biennials, or perennials.

Flower Diagram





BROCCOLI

KALE





MUSTARD
GREENS

PURPOSES/USES OF THE MEMBERS OF THE BRASSICACEAE FAMILY

FOOD—vegetables, flowers

OILS--for skin, cooking, biodiesel fuels

MEDICINES—prevention and treatment
of cancer, asthma, autoimmune diseases

SPICES—from mustard seed plants

ORNAMENTALS--decoration

PREFERRED GROWING CONDITIONS

Temperate/cold regions of N. Hemisphere
centered in Mediterranean, C. and SW Asia

Grow best in early spring and Fall with moderate
temperatures

Well drained, fertile soil high in nitrogen and
composted material, regular water (drip irrigation)

Brassica Genus Common Pests

Aphids

Diamond Back Moths

Cabbageworms

Cabbage Looper

Armyworms

Maggots

Wireworm

Brassica Genus Common Diseases

- Bacterial Soft Rot.
- Blackleg.
- Powdery Mildew.
- Turnip Mosaic Virus.
- Black Rot.
- Damping-Off.
- *Rhizopus* Rot.