



AMARYLLIDACEAE FAMILY

CROP MEMBERS

Leek, onions, garlic

FLOWER DESCRIPTION

Symmetrcial, perfect, umbell

LIFE CYCLE

Biennial

FRUIT TYPE

Capsule

MATING SYSTEM

Primarily outbreeding

POLLINATORS

Sweat bees, leafcutter bees,
flies, wasps

FORMER NAME

Liliaceae

Botanical Names

| Genus | Specific Epithet | Common |
|--------|------------------|--------|
| Allium | ampeloprasum | leek |
| Allium | cepa | onions |
| Allium | sativum | garlic |





APIACEAE FAMILY

CROP MEMBERS

Carrots, fennel, parsnips, parsley,
celery, cilantro, celeriac, dill

FLOWER DESCRIPTION

Regular symmetry, umbell, perfect

LIFE CYCLE

Mostly biennial

FRUIT TYPE

Dry, indehiscent

MATING SYSTEM

From partially to very outbreeding

POLLINATORS

Flies, wasps, small sweat bees

FORMER NAME

Umbelliferae

| Botanical Names | | |
|-----------------|------------------|------------------|
| Genus | Specific Epithet | Common |
| Daucus | carota | carrot |
| Apium | graveolens | celery, celeriac |
| Foeniculum | vulgare | fennel |
| Pestnaca | sativa | parsnip |
| Petroselinum | crispum | parsley |
| Coriandrum | sativum | cilantro |
| Anethum | graveolens | dill |





ASTERACEAE FAMILY

CROP MEMBERS

Endive, escarole, chicory, cardoon,
artichoke, sunflower, lettuce

FLOWER DESCRIPTION

Tiny flowers in heads can be either
symmetrical or asymmetrical

LIFE CYCLE

Varied

FRUIT TYPE

Achene, dry, indehiscent with
a pappus (fuzzy parachute)

MATING SYSTEM

Variable within the family

POLLINATORS

Many self fertile

FORMER NAME

Compositae

| Botanical Names | | |
|-----------------|------------------|------------------|
| Genus | Specific Epithet | Common |
| Chichorium | endiva | endive, escarole |
| Chichorium | intybus | chicory |
| Helianthus | annuus | sunflower |
| Lactuca | sativa | lettuce |





BRASSICACEAE FAMILY

CROP MEMBERS

Cabbage, kale, mustard, rutabaga, broccoli, cauliflower, collards, kohlrabi, turnip, radish, rocket

FLOWER DESCRIPTION

Symmetrical, perfect, four petals that form a cross

LIFE CYCLE

Mostly biennial

FRUIT TYPE

Silique (dry splitting)

MATING SYSTEM

Very outbreeding

POLLINATORS

Insects

FORMER NAME

Cruciferae

| Botanical Names | | |
|-----------------|------------------|--|
| Genus | Specific Epithet | Common |
| Brassica | oleracea | broccoli, brussel sprouts, cabbage, cauliflower, kae, collards, kohlrabi |
| Brassica | rapa | broccoli raab, chinese and napa cabbage, turnips |
| Brassica | juncea | mustard greens |
| Brassica | napus | rutabaga, rape, siberian kale |
| Raphanus | sativus | radish |
| Eruca | sativa | rocket |





CUCURBITACEAE FAMILY

CROP MEMBERS

Summer squash, Winter squash,
melons, cucumbers

FLOWER DESCRIPTION

Symmetrical, imperfect, moneocious,
ovary below female flower

LIFE CYCLE

Annual

FRUIT TYPE

Fleshy with hard rind

MATING SYSTEM

Primarily outbreeding

POLLINATORS

Squash bees, honey bees,
bumble bees

Botanical Names

| Genus | Specific Epithet | Common |
|-----------|------------------|---|
| Cucurbita | maximum | banana, buttercup, hubbard, turban |
| Cucurbita | moschata | butternut, cheese golden, cushaw |
| Cucurbita | pepo | acorn, crookneck, delicata, pattypan, spaghetti, zucchini |





FABACEAE FAMILY

CROP MEMBERS

Soybean, lentils, runner beans, lima bean, common bean, garden peas, fava, peanuts

FLOWER DESCRIPTION

Asymmetrical, classic pea shape
banner and keel

LIFE CYCLE

Annuals

FRUIT TYPE

Legume, dry splitting on two seams

MATING SYSTEM

Various inbreeding

POLLINATORS

Mostly self pollination,
occasionally bumble bees

FORMER NAME

Leguminosae

| Botanical Names | | |
|-----------------|------------------|-------------------------------|
| Genus | Specific Epithet | Common |
| Phaseolus | coccineus | runner beans |
| Phaseolus | vulgaris | common beans |
| Pisium | sativum | garden pea, edible pod pea |
| Vicia | faba | fava bean, broad bean |
| Arachis | hypogaea | peanut |
| Glycine | max | soybean |
| Lens | culinars | lentil |





POACEAE FAMILY

CROP MEMBERS

Wheat, corn, oats, barley,
rye, teff, millet

FLOWER DESCRIPTION

Spikelet flower, inconspicuous
flowers with reduced parts and
many modifications

LIFE CYCLE

Annuals

FRUIT TYPE

Grain

MATING SYSTEM

Very outbreeding

POLLINATORS

Wind

FORMER NAME

Gramineae

Botanical Names

| Genus | Specific Epithet | Common |
|------------|------------------|-------------|
| Eragrostis | teff | teff |
| Hordeum | vulgare | barley |
| Triticum | aestivum | bread wheat |
| Zea | mays | corn |
| Avena | sativa | oats |
| Secale | cereale | rye |
| Panicum | miliaceum | millet |





SOLANACEAE FAMILY

CROP MEMBERS

Tomato, tomatillo, sweet pepper,
eggplant, potato

FLOWER DESCRIPTION

Symmetrical, five united petals, five
stamens, anthers split lengthwise

LIFE CYCLE

Annuals

FRUIT TYPE

Berry

MATING SYSTEM

Varies among species

POLLINATORS

Buzz pollination by bumble
bees for some species

| Botanical Names | | |
|-----------------|------------------|-------------------------------|
| Genus | Specific Epithet | Common |
| Capsicum | annuum | sweet pepper, chili pepper |
| Physalis | ixocarpa | tomatillo |
| Solanum | lycopersicum | tomato |
| Solanum | melogena | eggplant |
| Solanum | tuberosum | potato |

