

Weed Identification and Control

Common Weed Families

Overview

Classification and naming of plants.

Major weeds and their families.

Weed Identification and Control

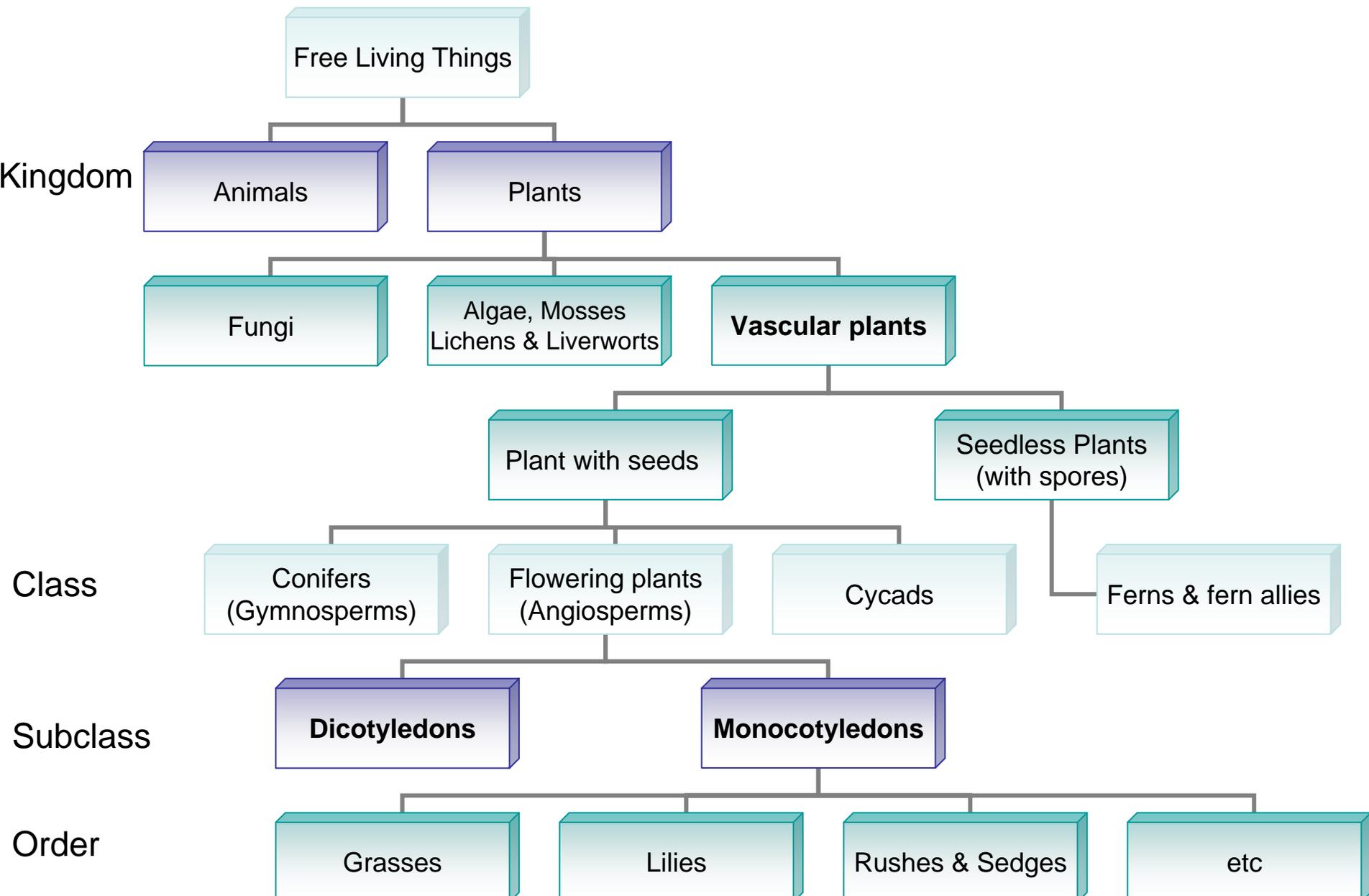
Taxonomy

Naming of species is based on morphological characters (especially reproductive structures).

Represented in a tree like structure with closely related species in groups and sub groups etc.

Kingdom, order, family, (tribe), genus, species, sub species, (cultivar, form, ecotype, races).

Weed Identification and Control



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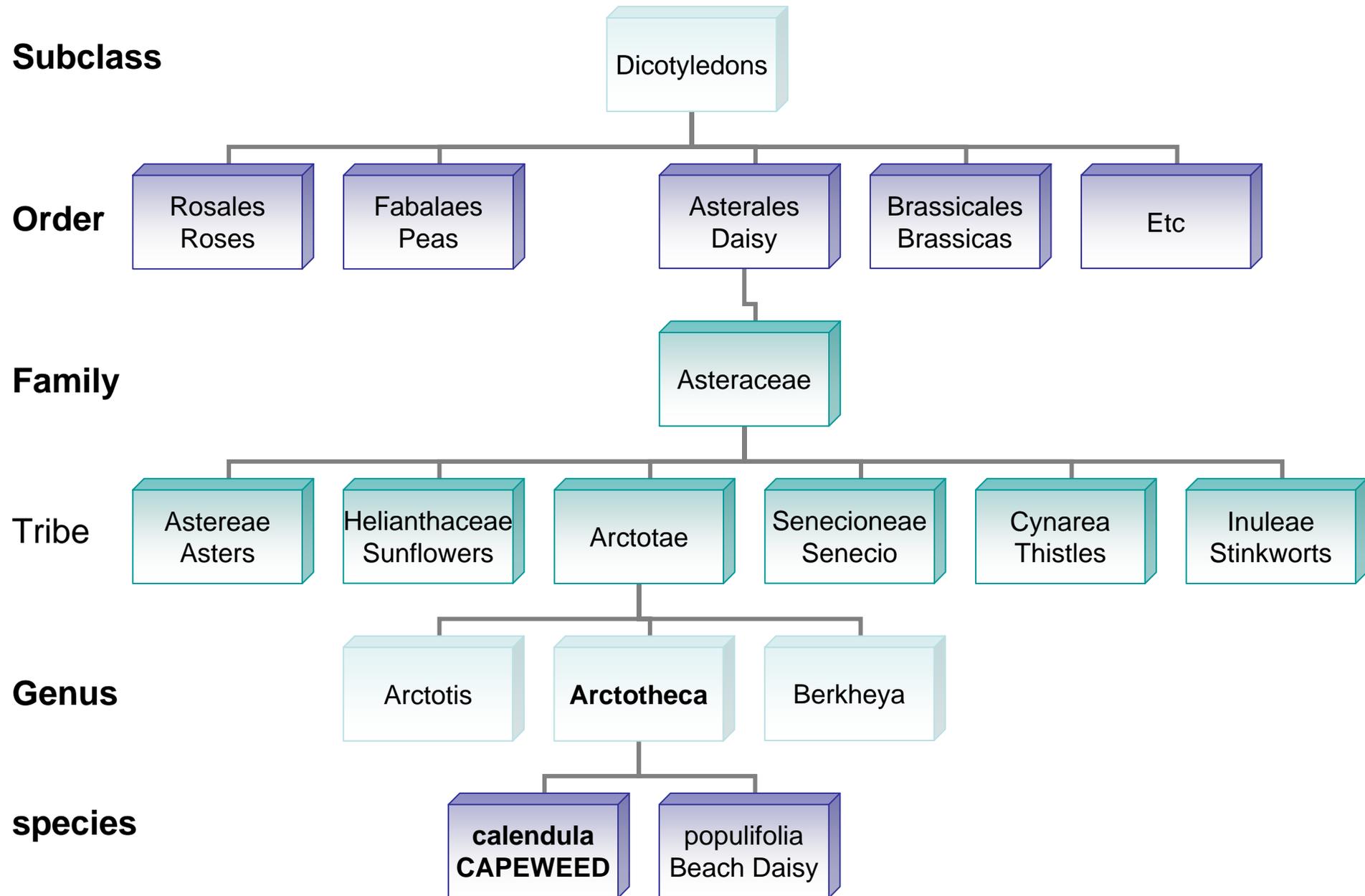
The species is generally characterized as the highest level at which individuals freely interbreed. Most plants are named by quoting their genus and species with the authority or the person/s who assigned that name.

Capeweed is *Arctotheca calendula* (L.) Levyns.

The L. indicates that it was Lineaus who first described the species and Levyns has since revised it. In some older books it will be called *Cryptostemma calendula* (L.).

First collection in Australia from King Georges Sound, Albany, WA in 1833.

Weed Identification and Control



Weed Identification and Control

Over 50% of weeds are in 6 families

Grass (Poaceae)



Yorkshire Fog



Phalaris



Wild Oat



Wheat

Iris (Iridaceae)



Watsonia



Cape Tulip



Onion Grass

Pea (Fabaceae)



Laver



Vetch



Lupin



Gorse



Lupin



Dolichos Pea

HG4400

Daisy (Asteraceae)



Capeweed



Holly-leaved Senecio



Cotula



Flatweed



Variegated Thistle



Sowthistle



Dandelion

Brassica (Brassicaceae)



Wild Radish



Sea Rocket



Mediterranean Turnip

Weed Identification and Control

The major weeds and their families

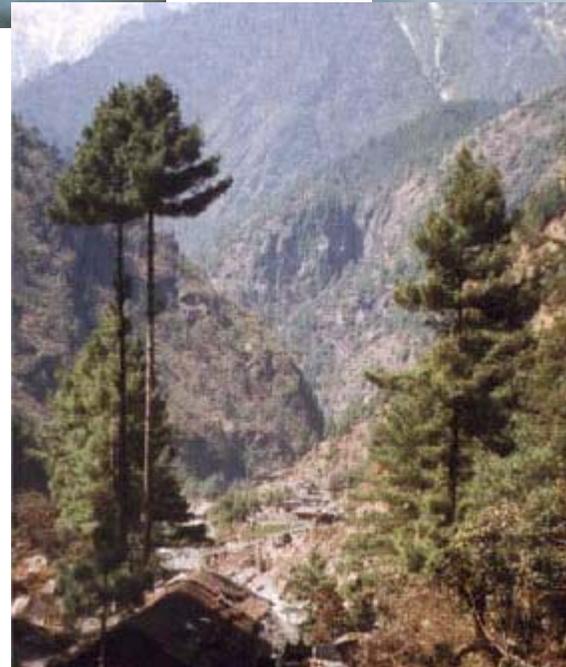
Ferns

Bracken



Gymnosperms

Pines



Weed Identification and Control

The major weeds and their families - Monocotyledons

Grass family

Poaceae

**Long narrow leaves
with parallel veins.**

No showy flowers.

**Seeds at the ends of
stems.**

Fibrous roots

**100 species commonly
controlled.**

**About a quarter of our
weeds are grasses.**



African Lovegrass



Annual Poa



Barley Grass



Brome Grass



Couch



Crabgrass



Yorkshire Fog



Pampas Grass



Wild Oat



Phalaris



Kikuyu



Paspalum



Witchgrass

Weed Identification and Control

The major weeds and their families - Monocotyledons

Iris family

Irridaceae

6 petal flowers

Long narrow leaves with

Parallel veins

Often with corms and bulbs

No taproot



Watsonia



Freesia



Onion Grass



Cape Tulip



Onion Weed



Gladiolus

Weed Identification and Control

The major weeds and their families - Monocotyledons

Other Monocots

Juncaceae

Toad Rush, Cultivation Rush, Spiny Rush



Cultivation Rush



Toad Rush

Asparagaceae

Bridal Creeper



Bridal Creeper

Araceae

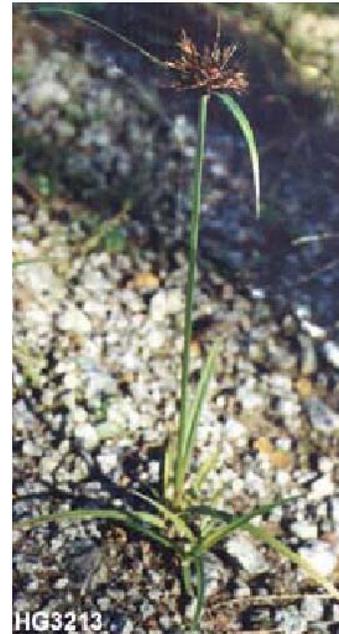
Arum Lily



Arum Lily

Cyperaceae

Nut Grass, Sedges



Nutgrass



Weed Identification and Control

The major weeds and their families - Dicotyledons

Asteraceae/Compositae

Daisy family

Composite flowers

Broad leaves often lobed

Often rosettes

Taproot

Often wind dispersed seed with parachutes (pappus)



Capeweed



Holly-leaved Senecio



Jo-Jo - Prickle seeds



Cotula



Cudweed



Flatweed



Flebane



Stinkwort



Sowthistle



Slender Thistle



Variegated Thistle



Skeleton Weed

Weed Identification and Control

The major weeds and their families - Dicotyledons

Fabaceae

Pea family

Pea flowers

Broad leaves often with leaflets

Taproot often with nodules

Usually has pods

Often roundish seed.



Clover



Medic



Taylorina



Serradella



Lupins



Pea



Gorse



Dolichos Pea

HG4400

Weed Identification and Control

The major weeds and their families - Dicotyledons

Brassicaceae

*Brassica family – Radish,
Tunip, Mustards*

4 petal flowers - Crucifers

Broad leaves often lobed

Often rosettes

Taproot

Usually has pods

Often roundish seed.

*Often has heart shaped
cotyledons*



Wild Radish



Hedge Mustard



Mediterranean Turnip



Indian Hedge Mustard



Sea Rocket



Turnip Weed



The major weeds and their families - Dicotyledons

Polygonaceae

Dock family

Tiny flowers

Broad leaves with a membrane (ochrea) at the base

Often rosettes

Taproot

Single seeds often in cases

Pyramidal seed

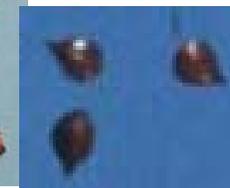
Long thin cotyledons



Dock



Wireweed



Sorrel

G2827



Dou blegee



The major weeds and their families - Dicotyledons

Other Dicots

Solanaceae

Nightshade, Tomato, Potato

Rosaceae

Blackberry

Oxalidaceae

Sousob, Oxalis

Lamiaceae – Mint family

Pennyroyal, Sages, Stagger Weed

Caryophyllaceae

Chickweeds, Spurry, Catchfly

Chenopodiaceae –Saltbush family

Fathen, Goosefoot, Crumbweed, Kochia

Malvaceae

Mallows