



National Plant Monitoring Scheme + **SUPPLEMENTARY SPECIES IDENTIFICATION GUIDE**



NPMS+
SUPPLEMENTARY
SPECIES
IDENTIFICATION
GUIDE

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Key



Traffic light system

Species with the symbol **G** are generally easier to identify; species with the symbol **A** may be harder to identify and additional information is provided, particularly on illustrations, to support you. Those with the symbol **R** may be confused with other species. In this instance distinguishing features are provided.



WF symbol

Species to record at the Wildflower Level.



Flowering time

Highlighted months show flowering time.

Broad habitats

- Broadleaved woodland
- Native Pinewood & juniper scrub
- Arable field margins
- Brownfield sites
- Lowland grassland
- Upland grassland
- Heathland
- Bog & wet heath
- Marsh & fen
- Freshwater
- Rock outcrops, cliffs & screes
- Coast

Introduction

This guide has been produced as a supplementary guide for those taking part in NPMS+. It covers species listed in the supplementary species list booklet for NPMS+. Please use this in conjunction with the National Plant Monitoring Scheme Species Identification Guide. There is an index at the back of this guide which lists the species by scientific and common names. *The New Flora of the British Isles* by Clive Stace (fourth edition) has been used as the reference for names. Where names have recently changed these are also shown.

How to use this guide

Wildflowers have been arranged in colour sections indicated by the coloured strips on the edge of each page. Groups of species that are more difficult to identify are included in separate sections. These include grasses, sedges, rushes, wood-rushes, and shrubs and trees. Within each section, species are in alphabetical order based on their scientific name. Both the English and scientific names for each plant are given as well as information about flowering times, plant size and other key features.

Species lists for NPMS+ habitats are provided in a separate supplementary booklet. Species for the National Plant Monitoring Scheme can be found in the identification guide for the core national scheme. Where possible, try to identify the fine habitat you are recording in and use the corresponding species list. All plants included in this guide are included on the Indicator Species Lists and should be recorded if you are surveying at Indicator or Inventory Level. For those recording at the Wildflower Level, record only those plants with the WF symbol. A traffic light system has been used in all sections (see key opposite). In order to help with identification, the appendix at the back of this guide provides an illustration of a wildflower, fern, grass, rush and sedge with key features labelled.

Achillea millefolium

Yarrow



J F M A M J J A S O N D



Umbel-like heads of small white (rarely pink) flowers on tough stems.

LEAVES AND STEMS

Very dissected feathery leaves which smell aromatic when crushed.



© Andrew Gagg/Plantlife

Arenaria serpyllifolia

Thyme-leaved Sandwort



J F M A M J J A S O N D

Delicate, multi-branched stems terminate in sparse clusters of tiny, white, 5-entire-petalled flowers. Green sepals are long and pointed, extending beyond the petals.

LEAVES AND STEMS

Slender stems are low and spreading, up to 25cm tall bearing tiny thyme-like leaves.



© Andrew Gagg/Plantlife

Bellis perennis

Daisy



J F M A M J J A S O N D



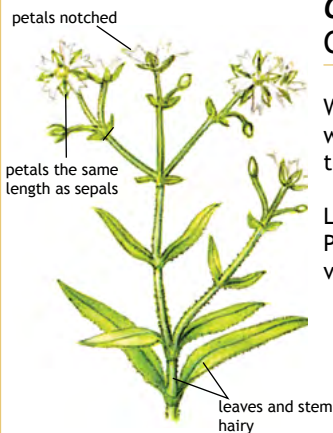
Erect flower stems to 15cm bearing solitary white flowerheads 1.5-3cm across, with yellow disc florets and slender white ray florets, often reddish below.

LEAVES AND STEMS

Spoon-shaped leaves all in a basal rosette.



© Luke Morton/Plantlife



Cerastium fontanum Common Mouse-ear

White flowers 3-12mm across with 5 notched petals about the same length as sepals.

LEAVES AND STEMS
Paired leaves and stems all very hairy.



J F M A M J J A S O N D



© Liam Rooney



Conopodium majus Pignut

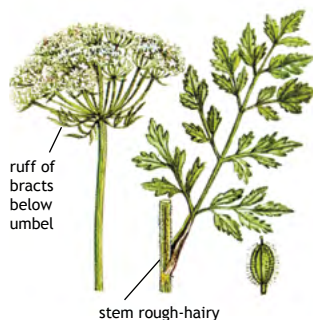
Delicate umbels 3-7cm across of tiny white flowers.

LEAVES AND STEMS
Upper leaves very divided with linear segments. The smooth stem, 30-50cm tall, becomes hollow after flowering.

J F M A M J J A S O N D



© Cath Shellswell/Plantlife



Daucus carota Wild Carrot

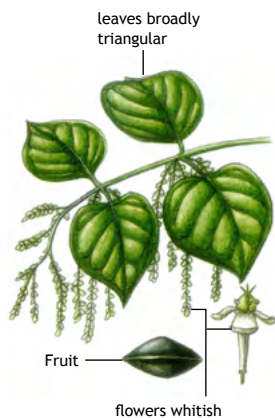
Umbels 6-7cm across of tiny white flowers, with the central one often red, and a ruff of bracts underneath.

LEAVES AND STEMS
Fern-like leaves clasping roughly hairy, solid, ridged stems. Up to 100cm tall.

J F M A M J J A S O N D



© M Cotterill



Fallopia japonica Japanese Knotweed



J F M A M J J A S O N D

Dense clusters of small, creamy-white flowers are arranged in narrow tassel-like panicles up to 10cm long.

LEAVES AND STEMS

Purple-red shoots emerge in spring, developing into dense stands (<200cm high). Leaves alternate, broadly triangular with truncated bases.



© Su Cooper/Plantlife



Filipendula ulmaria Meadowsweet



J F M A M J J A S O N D

Fluffy cream heads of honey scented flowers. Grows to 120cm.

LEAVES AND STEMS

Leaves long-stalked, with 2-5 pairs of toothed, larger leaflets with small leaflets in between.



© Andrew Gagg/Plantlife



Heracleum sphondylium Hogweed



J F M A M J J A S O N D

Robust herb to 200cm or more. Umbels up to 20cm across of small white or pinkish flowers.

LEAVES AND STEMS

Leaves large, to 60cm, divided, clasping hollow, ridged stems.



© Andrew Gagg/Plantlife

Leucanthemum vulgare Oxeye daisy



J F M A M J J A S O N D



Long-stalked, large, white, daisy-like flowerheads on a plant to 70cm tall.

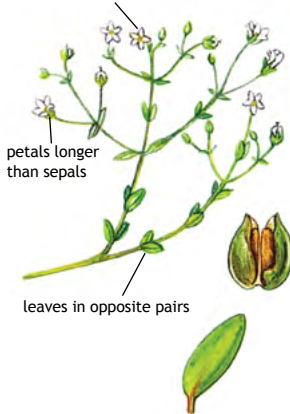
LEAVES AND STEMS

Basal rosette of long-stalked, spoon-shaped leaves. Stem leaves toothed and stalkless.



© Andrew Gagg / Plantlife

small white flowers



Linus catharticum Fairy Flax



J F M A M J J A S O N D

Slender herb to 25cm tall bearing branching, very open clusters of 5-petalled white flowers, each 4-6mm across.

LEAVES AND STEMS

Opposite pairs of narrow, hairless, stalkless leaves to 8mm long.



© Andrew Gagg / Plantlife

Rubus fruticosus agg. Bramble



J F M A M J J A S O N D



Variable scrambling shrub 1-3m with arching stems. Flowers white or pink, 20-30mm across, black fruits with many parts.

LEAVES AND STEMS

Leaves with 3-5 hairy or prickly, toothed leaflets. Stem spiny, prickly or hairy.



© Andrew Gagg / Plantlife



Carlina vulgaris Carline Thistle

G

Straw-coloured flowerheads to 4cm across.

LEAVES AND STEMS
Leaves with wavy, spiny lobes.
Spiny stems.

J F M A M J J A S O N D



© Andrew Gagg/Plantlife



Galium verum Lady's Bedstraw

A



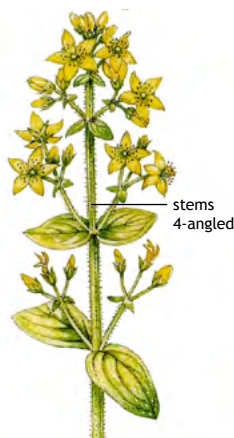
Golden-yellow flowers 2-3mm across on a creeping plant to 60cm tall.

LEAVES AND STEMS
Dark green, linear leaves in whorls of 8-12 around the weakly 4-angled stems.

J F M A M J J A S O N D



© Beth Newman/Plantlife



Hypericum spp. St John's-worts

G



Distinctive yellow flowers with five sepals and petals, either solitary or held in a loose corymb. Many stamens.

LEAVES AND STEMS
Usually small plants characterised by opposite leaves with translucent glands. Stipules and petioles absent.

J F M A M J J A S O N D

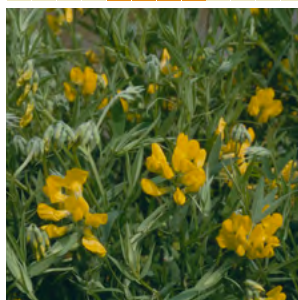


© Andrew Gagg/Plantlife

Lathyrus pratensis Meadow Vetchling



J F M A M J J A S O N D

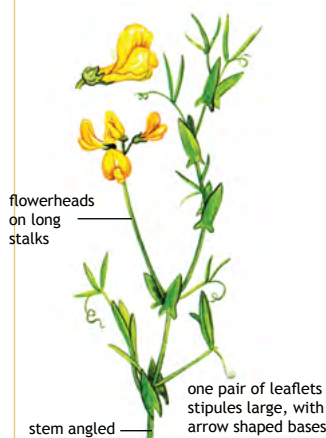


© Andrew Gagg/Plantlife

Scrambling herb with long-stalked clusters of 5-12 yellow pea flowers.

LEAVES AND STEMS

Leaves with narrow, grey-green leaflets, tendrils, and leaf-like, arrow-shaped stipules. Stem angled.



Lotus corniculatus Common Bird's-foot Trefoil



J F M A M J J A S O N D

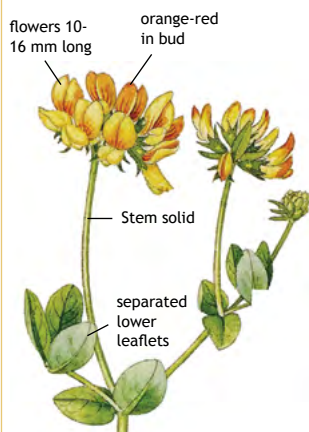


© Beth Halski

Deep yellow pea flowers in clusters of 2-7, often red-tinged. Calyx teeth erect, not bent back, in bud.

LEAVES AND STEMS

Leaves with 5 narrowly oval leaflets, the lower 2 bent back by the stem so that leaves appear trefoil. No tendrils. Stem solid.



Medicago lupulina Black Medick



J F M A M J J A S O N D



© Andrew Gagg/Plantlife

Downy, upright herb to 60cm with rounded flowerheads 3-9mm across of 10-50 yellow flowers followed by black, coiled fruits.

LEAVES AND STEMS

Trifoliate leaves, with a tiny point in the notch at the tip of each leaflet.





Oenothera spp. Evening Primroses



Stems terminate in clustered inflorescences of showy, yellow flowers. Petals 4, sepals 4, both easily detached and lost. Flowers develop from the axils of reduced leaves.

LEAVES AND STEMS
Stems tall, robust and solitary. Leaves alternate and entire, usually lanceolate.

J F M A M J J A S O N D



© Andrew Gagg/Plantlife



Pilosella officinarum Mouse-ear Hawkweed



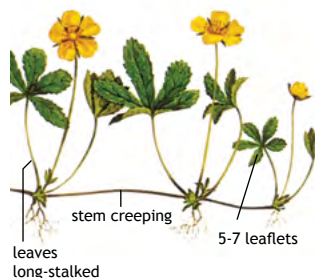
Single pale yellow flowerheads 15-25mm across. Florets with red stripes underneath.

LEAVES AND STEMS
Hairy, spoon-shaped leaves in a basal rosette, white underneath, green on top.

J F M A M J J A S O N D



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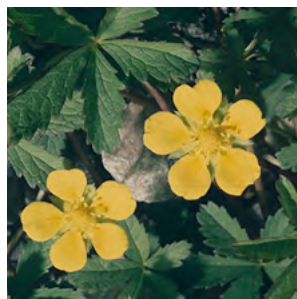
Potentilla reptans Creeping Cinquefoil



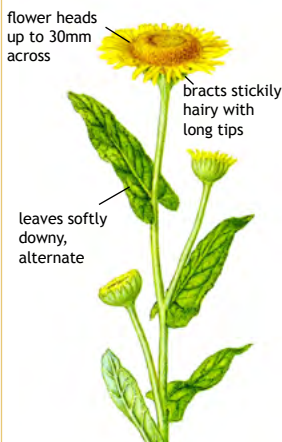
Yellow, 5-petalled flowers. 17-25mm across, on long stalks.

LEAVES AND STEMS
Leaves with 5 or 7 leaflets on long stalks. Stems all creeping and rooting.

J F M A M J J A S O N D



© Andrew Gagg/Plantlife



Pulicaria dysenterica Common Fleabane

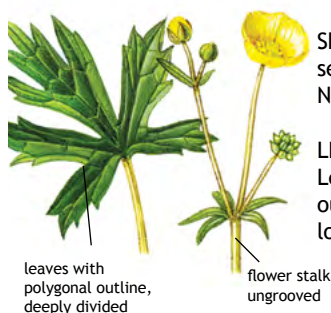


Large, golden, daisy-like flowerheads (15-30mm across) appear in loose, flat-topped clusters. Ray florets longer than involucral bracts.

LEAVES AND STEMS

Lanceolate leaves with wavy margins clasp upright stems. Entire plant is sparsely hairy.

J F M A M J J A S O N D



Ranunculus acris Meadow Buttercup

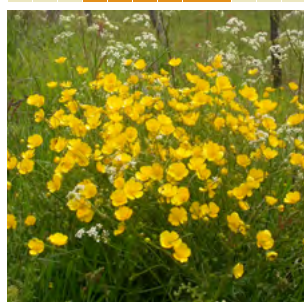


Shiny yellow flowers with sepals cupping the petals. No runners.

LEAVES AND STEMS

Leaves with a polygonal outline, 3-5 deeply divided lobes. Flower stalk ungrooved.

J F M A M J J A S O N D



© Ray Woods



Reseda lutea Wild Mignonette



Greenish-yellow 6-petalled flowers in a conical spike on stems 30-75cm tall.

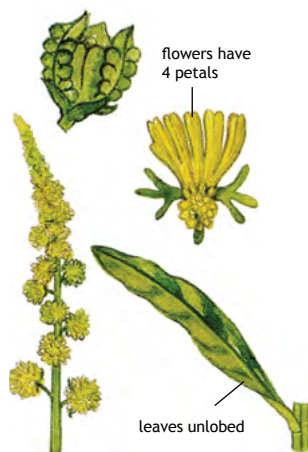
LEAVES AND STEMS

Basal rosette and stem leaves divided with narrow lobes. Stems ribbed, solid, branched.

J F M A M J J A S O N D



© Beth Halski



Reseda luteola Weld

Greenish-yellow 4-petalled flowers in a long, narrow spike on stems 50-150cm tall.

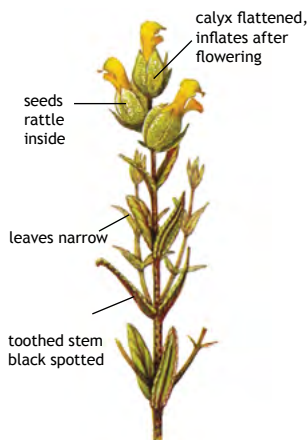
LEAVES AND STEMS
All leaves long, thin and unlobed and with a wavy margin.



J F M A M J J A S O N D



© Andrew Gagg/Plantlife



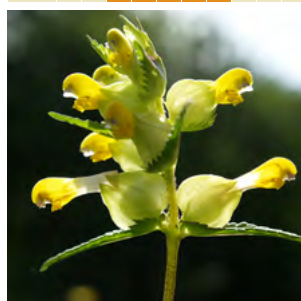
Rhinanthus minor Yellow Rattle

More or less hairless plant to 50cm tall with leafy spikes of yellow 2-lipped flowers.

LEAVES AND STEMS
Leaves unstalked, opposite, narrow and toothed. Stem black-spotted.



J F M A M J J A S O N D



© Andrew Gagg/Plantlife



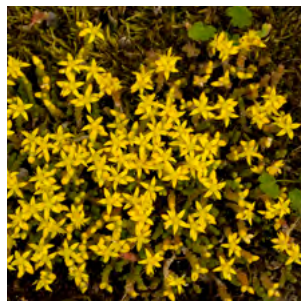
Sedum acre Biting Stonecrop

Mat-forming plant to 10cm tall with yellow, 5-petalled, star-like flowers in small groups at the end of stems.

LEAVES AND STEMS
Fleshy, egg-shaped, evergreen leaves 3-5mm long.



J F M A M J J A S O N D



© Bob Gibbons/Plantlife



Senecio squalidus Oxford Ragwort



Yellow daisy-like flowerheads (16-20mm across) are held in loose arrangements atop glabrous stems. Bell-shaped involucre bear black-tipped bracts

LEAVES AND STEMS

Stems can be spreading and bushy. Leaves glossy, highly variable. All lobes narrow.

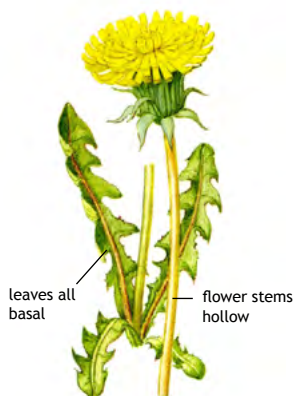
J F M A M J J A S O N D



© Rosser1954



Taraxacum officinale agg. Dandelion



Flowerheads yellow, solitary (3-6cm across). Achene fruits arranged in conspicuous clocks. Involucral bracts arranged in 2 rows.

LEAVES AND STEMS

Leafless flowering stems arise from rosettes of highly variable, broadly-lanceolate leaves. Hollow stalks release milky sap.

J F M A M J J A S O N D



Verbascum spp. Mulleins



Erect inflorescences. Flowers typically solitary, yellow or white, stalked with a bract beneath. Calyx and corolla divided into 5 deep, equal lobes

LEAVES AND STEMS

Stems are erect and often ridged, emerging from a basal rosette of ovate-lanceolate leaves. Stem leaves decurrent.

J F M A M J J A S O N D



© Beth Newman-Plantlife

flower spike
pyramidal



flowers pink,
without spots

Anacamptis spp. Orchids (Pyramidal)

G

Hot purple-pink flowers held in a dense, conical inflorescence atop solitary flowering stems. Outer tepals spreading, others overlap to form a hood. Spur present.

LEAVES AND STEMS

Leaves oblong-lanceolate, to 15cm long, with basal keels which clasp the flowering stem.

J F M A M J J A S O N D



Ballota nigra Black Horehound

R



flowers dull
purple

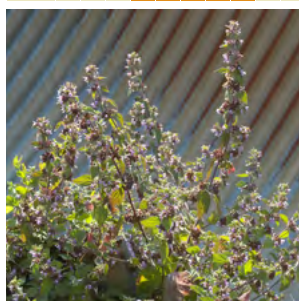
leaves
ovate or
rounded

Pink-to-lilac flowers arranged in whorls. Upper lip of the flower forms a hairy hood, lower lip smooth and 4-lobed.

LEAVES AND STEMS

Leaves are oval, hairy and rough, with a serrated margin. Rotten smell released when crushed.

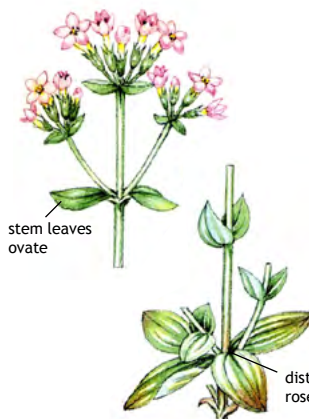
J F M A M J J A S O N D



© Malcolm Storey bioimages

Centaureum erythraea Common Centaury

G



stem leaves
ovate

distinct basal
rosette

Starry clusters of pretty, pink, sessile flowers held at the tops of (usually) solitary, branched stems.

LEAVES AND STEMS

Basal rosette of oval leaves from which the glabrous stem emerges (to 50cm). Stem leaves arranged in pairs.

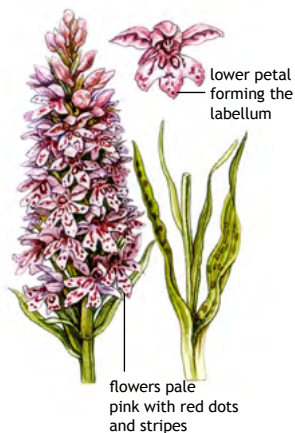
J F M A M J J A S O N D



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Dactylorhiza spp. Orchids (Common Spotted/Marsh)

G



Highly variable group due to hybridization. Large spikes of purple-pink (sometimes white) flowers, with dark purple markings. Spurs present.

LEAVES AND STEMS

Leaves oblong-lanceolate, sometimes spotted, basal leaves possess sheaths which hug the solitary, erect stem.

J F M A M J J A S O N D

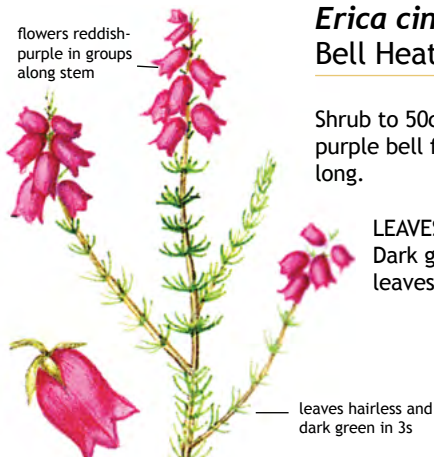


Erica cinerea Bell Heather

A



flowers reddish-purple in groups along stem



Shrub to 50cm with reddish-purple bell flowers 0.5-0.6cm long.

LEAVES AND STEMS

Dark green hairless leaves in 3s.

J F M A M J J A S O N D



© Deborah Long/Plantlife

Impatiens glandulifera Himalayan Balsam

G



A large plant (1-3m) often found in clumps with large 'policeman's helmet' pink-purple flowers 4cm long.

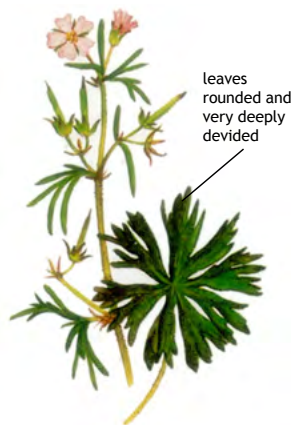
LEAVES AND STEMS

Leaves with small red teeth at edge, in whorls of 3 or opposite. Reddish stem.

J F M A M J J A S O N D



© Ray Woods/Plantlife



Geranium dissectum Cut-leaved Crane's-bill



J F M A M J J A S O N D

Densely hairy sepals subtend small, 5-petalled purple-pink flowers on short stalks. Petals are notched and barely exceed the sepals. Carpels pubescent.

LEAVES AND STEMS
Straggling, hairy stems (<60cm). Red bracts positioned on stalk junctions. Alternate leaves deeply lobed, almost to the leaf base.



© Malcolm Storey



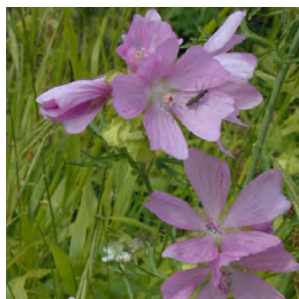
Malva moschata Musk Mallow



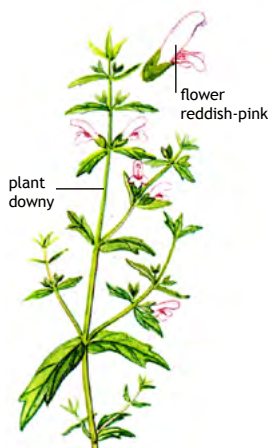
J F M A M J J A S O N D

Leaf axils bear solitary showy rose-pink flowers (3-6cm across) with five deeply notched petals. Petals three times longer than the sepals

LEAVES AND STEMS
Leaves are deeply divided into narrow, linear lobes (less divided towards the base). Stems hairy and erect.



© Malcolm Storey



Odontites verna Red Bartsia



J F M A M J J A S O N D

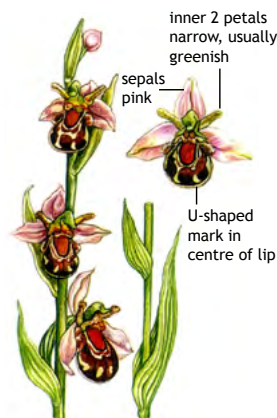
Hooded purple-pink flowers (8-10mm long) are positioned in pairs in the upper leaf axils. Corolla divided into two lips. Bracts leaf-like.

LEAVES AND STEMS
Opposite, toothed, oblong leaves on red stems (<50cm tall). Whole plant is dusted with fine hairs.





J F M A M J J A S O N D



Ophrys apifera Bee Orchid

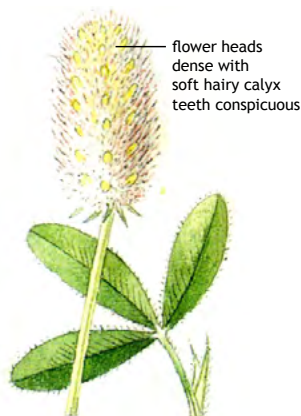
Three bright pink sepals frame the velvety-brown labellum of the flower which has evolved to mimic the abdomen of a female bumblebee.

LEAVES AND STEMS

Short, stocky stem (<45cm) emerges from a rosette of 5-6 leaves, with two leaves hugging the stem to create a sheath.



J F M A M J J A S O N D



Trifolium arvense Hare's-foot Clover

Rosy pink flowers (3-6mm long) arranged in dense cylindrical inflorescences. Long, silky hairs fringe the sepals and create a fluffy appearance.

LEAVES AND STEMS

Branched stems reach <20cm. Stipules with pointed apices. Trefoil leaves with narrow, elongated leaflets.



© Cath Shellsell



J F M A M J J A S O N D

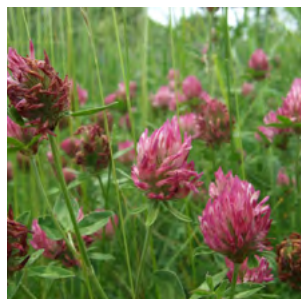


Trifolium pratense Red Clover

Unstalked purple flowerheads to 3cm on a sprawling plant to 50cm.

LEAVES AND STEMS

Downy leaves with 3 oval leaflets, usually with a white 'V' mark.



© Beth Halski/Plantlife

Buddleja davidii Butterfly Bush



J F M A M J J A S O N D



© Andrew Gagg/Plantlife

1-5m shrub with spikes of fragrant lilac (sometimes purple or white) flowers.

LEAVES AND STEMS
Greyish oval leaves. Long arching stems.



© A_Coruña_Drow male CC-BY-SA 4.0

Calluna vulgaris Heather



J F M A M J J A S O N D



© Deborah Long/Plantlife

flowers pink-purple
in long spikes



scale-like
leaves in 4
tight rows

Bushy evergreen shrub to 60cm. Pinky-purple flowers, 4mm long, in long, dense spikes.

LEAVES AND STEMS
Tiny scale-like leaves, in 4 tight rows, pressed against stem.

Centaurea nigra Common Knapweed



J F M A M J J A S O N D



© Andrew Gagg/Plantlife

enlarged outer
flowers usually
absent



leaves lobed
or toothed, but
not pinnate

Stems terminate in solitary, thistle-like flower heads. Overlapping, bristled, brown bracts form a hard, globose involucre, subtending a crown of pink-purple florets

LEAVES AND STEMS
Ridged stems are upright and branched, to 100cm tall. Upper leaves linear, lower leaves lobed and hairy.



Cirsium arvense Creeping Thistle

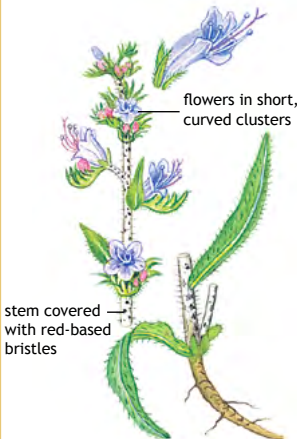
Far-creeping herb. Flowerheads in open clusters, 20mm x 10-15mm, pinkish-purple.

LEAVES AND STEMS

Lower leaves stalked, upper clasping stem, all deeply divided with spiny edges. Flowering stem to 1m tall, unwinged and spineless.



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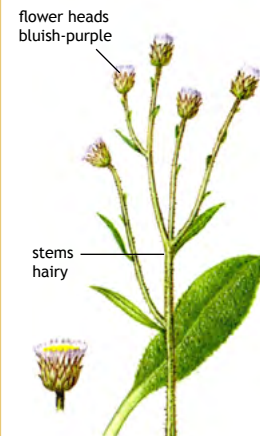


Echium vulgare Viper's Bugloss

Erect spikes of pink buds open into intense-blue, trumpet-shaped flowers arranged in spiralled cymes.

LEAVES AND STEMS

Basal rosette of lanceolate leaves with prominent midrib venation. Up to 75cm, entire plant is rough and hairy.



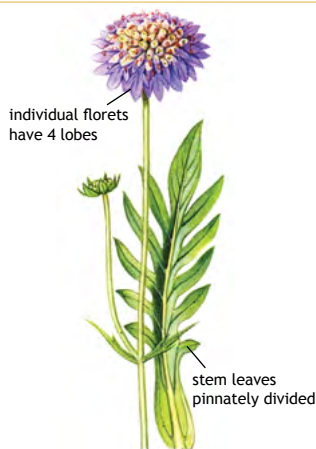
Erigeron acer Blue Fleabane

A loose arrangement of closed-cup shaped flowerheads (12-18mm across). Erect, lilac outer ray florets slightly longer than the cluster of dull-yellow inner disc florets.

LEAVES AND STEMS

Stem leaves sessile and alternate along the slender upright stem. Both covered in rough white hairs.





Knautia arvensis Field Scabious



Stout plant to 75cm. Rounded flowerheads 30-40mm across on hairy stalks, each flower having 4 lobes.

LEAVES AND STEMS

Basal leaves unlobed, stem leaves deeply divided, all roughly hairy.

J F M A M J J A S O N D



© Andrew Gagg/Plantlife



Prunella vulgaris Self-heal

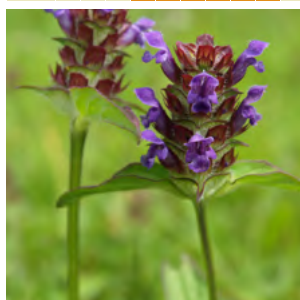


Violet-blue flowers 10-15mm in a compact head at the top of the stem up to 20cm tall.

LEAVES AND STEMS

Hairy leaves, oval to diamond-shaped, often purple tinged. Plant often mat-forming.

J F M A M J J A S O N D



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Veronica officinalis Heath Speedwell



Creeping herb with upright flower spikes. Long-stalked clusters of 4-petalled lilac flowers, each on a 2mm stalk, in leaf axils. Fruit heart-shaped.

LEAVES AND STEMS

Leaves in opposite pairs, no stalk, shallowly toothed. Stem hairy all round.

J F M A M J J A S O N D



© C Gibson

Vicia cracca Tufted Vetch



J F M A M J J A S O N D



Scrambling herb to 2m bearing long-stalked, narrow, one-sided clusters of many blue-purple pea flowers.

LEAVES AND STEMS

Leaves with 8-13 pairs of narrow leaflets and branched tendrils at tips.

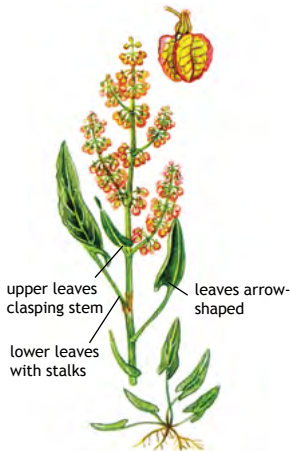


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Rumex acetosa Common Sorrel



J F M A M J J A S O N D



Flowers greenish-red in loose spikes on plant 30-80cm tall.

LEAVES AND STEMS

Leaves arrow-shaped at base to 10cm. Lower leaves stalked, upper clasping stem.

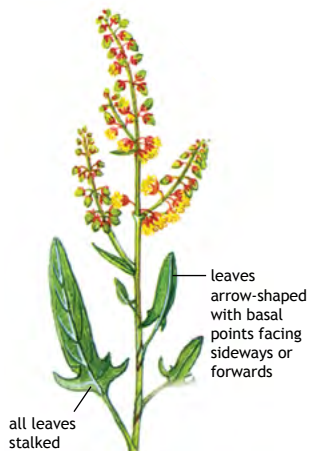


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Rumex acetosella Sheep's Sorrel



J F M A M J J A S O N D



Flowers greenish-red in loose spikes on plant to 30cm tall.

LEAVES AND STEMS

Leaves arrow-shaped at base to 4 cm long with side-lobes spreading or pointing forwards. All leaves stalked.



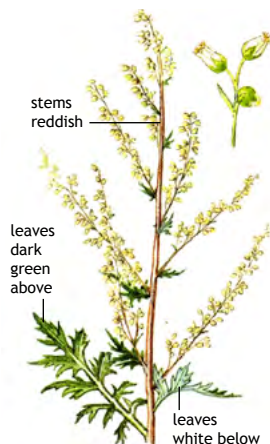
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Artemisia vulgaris Mugwort

A



J F M A M J J A S O N D



Erect spikes of branched, somewhat leafy inflorescences bear panicles of inconspicuous pale green, egg-shaped flowerheads.

LEAVES AND STEMS

Stems are upright, to 150cm tall, with purplish-red tinge and a wide pith. Leaves are extensively divided, with fine white hairs on the lower surface. Aromatic fragrance when crushed.



© Malcolm Storey bioimages

Gnaphalium spp. and *Filago* spp. Cudweeds

A



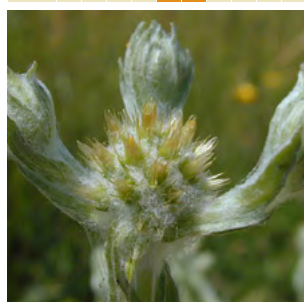
J F M A M J J A S O N D



Flowerheads arranged in dense, sessile clusters in the leaf axils. Florets small and yellow-to-brown, involucre bracts brown, sometimes reddish tipped.

LEAVES AND STEMS

Both leaves and seedheads covered in woolly fibres.



Plantago coronopus Buck's-horn Plantain

G



J F M A M J J A S O N D



Numerous greenish flower spikes 2-4cm long with arching stems longer than the leaves.

LEAVES AND STEMS

Basal rosette of deeply lobed, narrow leaves up to 20cm long.



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***Poterium sanguisorba*
(*Sanguisorba minor*)**
Salad Burnet



J F M A M J J A S O N D



Upright plant to 40cm bearing round heads of tiny greenish flowers.

LEAVES AND STEMS

Basal rosette of leaves with 4-12 pairs of toothed leaflets. Stem leaves smaller.

CONFUSED WITH

Great Burnet (*Sanguisorba officinalis*). Great Burnet is much larger in all parts (to 1m).



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Urtica dioica
Common Nettle



J F M A M J J A S O N D

Patch-forming plant with stinging hairs and tassels of tiny flowers.

LEAVES AND STEMS

Leaves pointed and toothed in opposite pairs. Square stems.



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Agrostis spp. Bent Grasses

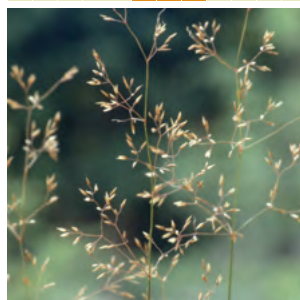
A

Flowers arranged in whorled panicles, with single flowers in each spikelet.

LEAVES AND STEMS

Upright perennial grasses growing in tufts. Their delicate appearance creates a misty effect when in flower.

J F M A M J J A S O N D



© Andrew Gagg/Plantlife



Anthoxanthum odoratum Sweet Vernal-grass

A

Short (c.20cm) perennial grass with sweet smelling roots. Cylindrical flower spikes. Spikelets with a bent awn.

LEAVES AND STEMS

Stems stiff, leaf sheaths and leaves sparsely hairy, leaves broad.

J F M A M J J A S O N D



© S Hammonds



Arrhenatherum elatius False Oat-grass

G

Up to 180cm tall, terminating in loose, graceful panicles (10-30cm) of shining, oat-like spikelets. Each spikelet bears two flowers. Conspicuous, bristly awns.

LEAVES AND STEMS

Loosely tufted habit with broad, linear, apically pointed leaves, all covered in fine hairs.

J F M A M J J A S O N D



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Cynosurus cristatus Crested Dog's-tail

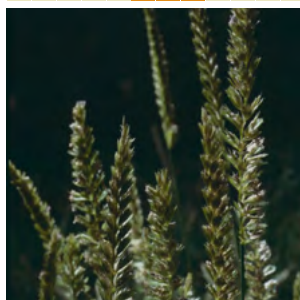


Short perennial grass with short-awned spikelets, arranged on a slender, unbranched spike. Flower stem exposed on one side.

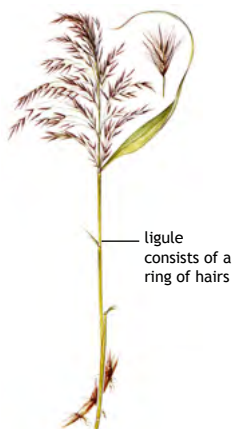
LEAVES AND STEMS

Leaf hairless to 4mm wide, finely pointed tip and short, blunt ligule

J F M A M J J A S O N D



© Andrew Gagg/Plantlife



ligule
consists of a
ring of hairs

Phragmites australis Common Reed



Plumes of branched, feathery panicles (<40cm long) emerge dark purple and transition to brown. Spikelets 2- to 6-flowered, with lemmas covered in silky white hairs.

LEAVES AND STEMS

Robust stems shoot up from creeping rhizomes to form extensive stands <3m high. Linear leaves arch downwards. Ligules are a dense fringes of bristly, short hairs.

J F M A M J J A S O N D



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Trisetum flavescens Yellow Oat-grass



Yellow-tinted inflorescence are arranged in clustered branches to form an elegant, crowded spikelets with 2-4 flowers each. Long, bent awns protrude from the flowers.

LEAVES AND STEMS

Elegant stems form loose tufts <80cm. Leaves flat (2-10mm wide) with sparse hairs on their upper surface

J F M A M J J A S O N D



© Andrew Gagg/Plantlife

Betula pubescens / *Betula pendula* Downy Birch / Silver Birch



J F M A M J J A S O N D

Deciduous tree to 25m. Male catkins 3-6cm, female shorter. Record as *Betula pendula* / *Betula pubescens*.

LEAVES AND STEMS

Leaves triangular, serrated. Bark brownish or silver, peeling.



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Salix spp. Willows



J F M A M J J A S O N D

Flowers are borne in catkins, often appearing before leaves, male flowers with 2-many stamens, female flowers with bifid styles. Fruits 2-valved capsules.

LEAVES AND STEMS

Deciduous tree and shrubs with green-to-greyish elongated elliptic, ovate or lance-shaped leaves arranged alternately. Buds covered by a single outer scale.



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Luzula campestris Field Woodrush

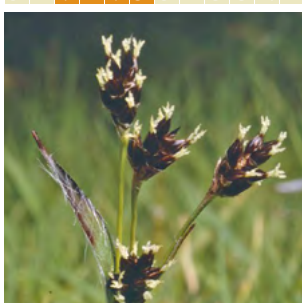


J F M A M J J A S O N D

Typically 3-5 rounded brown flower heads held on short stalks (1 sessile) in a loose panicle, tepals dark chestnut brown, conspicuous pale yellow anthers.

LEAVES AND STEMS

Short stems emerge in tufts from a rosette of strap-like leaves. Leaves coated with fine, long, white hairs.



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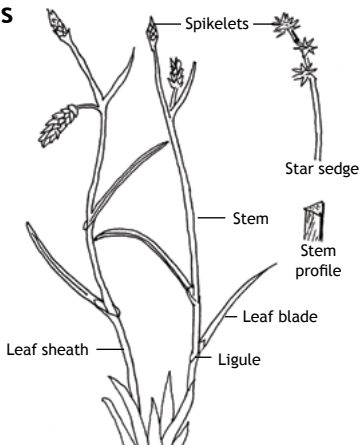
Common name

Bee Orchid	15	Mugwort	20
Bell Heather	13	Mulleins	11
Bent Grasses	22	Musk Mallow	14
Biting Stonecrop	10	Orchids (Common Spotted/Marsh)	13
Black Horehound	12	Oxeye Daisy	5
Black Meddock	7	Oxford Ragwort	11
Blue Fleabane	17	Pignut	3
Bramble	5	Pyramidal Orchid	12
Buckshorn Plantain	20	Red Bartsia	14
Butterfly Bush	16	Red Clover	15
Carline Thistle	6	Salad Burnet	21
Common Bird's-foot-trefoil	7	Self-heal	18
Common Centuary	12	Sheep's Sorrel	19
Common Fleabane	9	Silver Birch/Downy Birch	24
Common Knapweed	16	St John's-worts	6
Common Mouse-ear	3	Sweet Vernal-grass	22
Common Nettle	21	Thyme-leaved Sandwort	2
Common Reed	23	Tufted Vetch	19
Common Sorrel	19	Viper's Bugloss	17
Creeping Cinquefoil	8	Weld	10
Creeping Thistle	17	Wild Carrot	3
Crested Dog's-tail	23	Wild Mignonette	9
Cudweeds	20	Willows	24
Cut-leaved Crane's-bill	14	Yarrow	2
Daisy	2	Yellow Oat-grass	23
Dandelion	11	Yellow Rattle	10
Evening Primroses	8		
Fairy Flax	5		
False Oat-grass	22		
Field Scabious	18		
Field Woodrush	24		
Hare's-foot Clover	15		
Heath Speedwell	18		
Heather	16		
Himalayan Balsam	13		
Hogweed	4		
Japanese Knotweed	4		
Lady's Bedstraw	6		
Meadow Buttercup	9		
Meadow Vetchling	7		
Meadowsweet	4		
Mouse-ear Hawkweed	8		

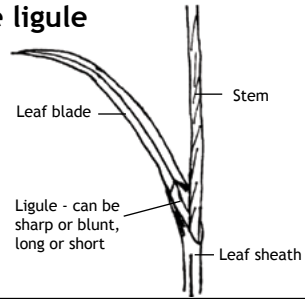
Scientific name

<i>Achillea millefolium</i>	2	<i>Ophrys apifera</i>	15
<i>Agrostis</i> spp.	22	<i>Phragmites australis</i>	23
<i>Anacamptis</i> spp.	12	<i>Pilosella officinarum</i>	8
<i>Anthoxanthum odoratum</i>	22	<i>Plantago coronopus</i>	20
<i>Arenaria serpyllifolia</i>	2	<i>Potentilla reptans</i>	8
<i>Arrhenatherum elatius</i>	22	<i>Poterium sanguisorba</i>	21
<i>Artemisia vulgaris</i>	20	<i>Prunella vulgaris</i>	18
<i>Ballota nigra</i>	12	<i>Pulicaria dysenterica</i>	9
<i>Bellis perennis</i>	2	<i>Ranunculus acris</i>	9
<i>Betula pendula/pubescens</i>	24	<i>Reseda lutea</i>	10
<i>Buddleja davidii</i>	16	<i>Reseda luteola</i>	9
<i>Calluna vulgaris</i>	16	<i>Rhinanthus minor</i>	10
<i>Carlina vulgaris</i>	6	<i>Rubus fruticosus</i> agg.	5
<i>Centaurea nigra</i>	16	<i>Rumex acetosa</i>	19
<i>Centaureum erythraea</i>	12	<i>Rumex acetosella</i>	19
<i>Cerastium fontanum</i>	3	<i>Salix</i> spp.	24
<i>Cirsium arvense</i>	17	<i>Sedum acre</i>	10
<i>Conopodium majus</i>	3	<i>Senecio squalidus</i>	11
<i>Cynosurus cristatus</i>	23	<i>Taraxacum</i> agg.	11
<i>Dactylorhiza</i> spp.	13	<i>Trifolium arvense</i>	15
<i>Daucus carota</i>	3	<i>Trifolium pratense</i>	15
<i>Echium vulgare</i>	17	<i>Trisetum flavescens</i>	23
<i>Erica cinerea</i>	13	<i>Urtica dioica</i>	21
<i>Erigeron acer</i>	17	<i>Verbascum</i> spp.	11
<i>Fallopia japonica</i>	4	<i>Veronica officinalis</i>	18
<i>Filipendula ulmaria</i>	4	<i>Vicia cracca</i>	19
<i>Galium verum</i>	6		
<i>Geranium dissectum</i>	14		
<i>Gnaphalium</i> spp. and <i>Filago</i> spp.	20		
<i>Heracleum sphondylium</i>	4		
<i>Hypericum</i> spp.	6		
<i>Impatiens glandulifera</i>	13		
<i>Knautia arvensis</i>	18		
<i>Lathyrus pratensis</i>	7		
<i>Leucanthemum vulgare</i>	5		
<i>Linum catharticum</i>	5		
<i>Lotus corniculatus</i>	7		
<i>Luzula campestris</i>	24		
<i>Malva moschata</i>	14		
<i>Medicago lupulina</i>	7		
<i>Odontites verna</i>	14		
<i>Oenothera</i> spp.	8		

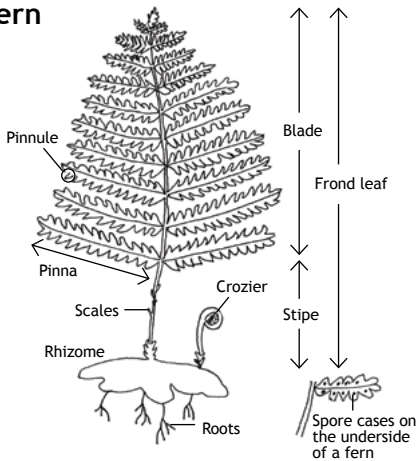
Sedges



Sedge ligule

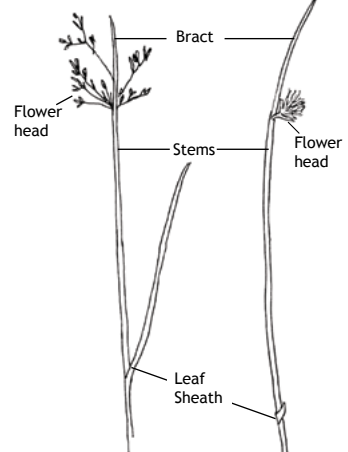


Fern

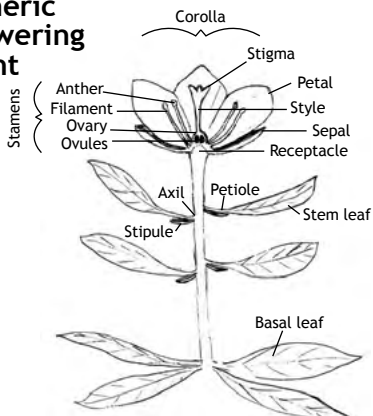


Rush

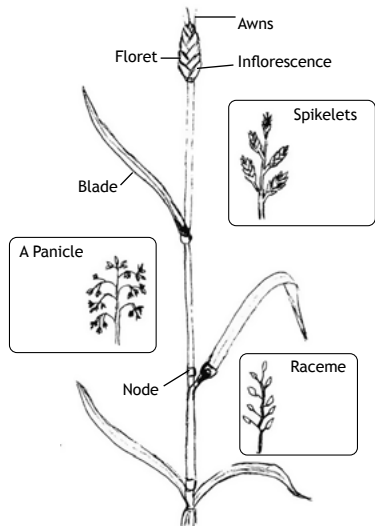
Top flowering rush Side flowering rush



Generic Flowering plant



Grass





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