Purple / pink flowers



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

Flower head resembles a thistle

but plant is entirely without spines

Field Scabious

Knautia arvensis

Flowering



Flowering J F M A M J J A S O N D Many flower heads of pale lilac colour. Spiny leaves but smooth stem

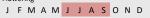




Flowering J F M A M J J A S O N D

Narrow hairy leaves in pairs. Bluelilac flowers forming a flattish pincushion-like head





Flower heads are slightly oblong balls of tiny dark reddish-purple flowers.

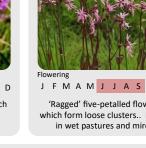




Flowering J F M A M J J A S O N D

Brilliantly red-purple flowers which form an oblong cluster. Square stem and opposite leaves

Orchids

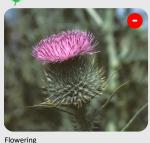




Flowering J F M A M J J A S O N D

Highly characteristic and immediately-recognisable orchid flower, which in our native species is small and normally grouped in a fairly dense head of many flowers. Most appear in May and June.





J F M A M J J A S O N D Large spiny thistle head with reddish-purple flowers. Stem 'winged' with spines.

> **Ragged Robin** Silene flos-cuculi



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

'Ragged' five-petalled flowers which form loose clusters.. Found in wet pastures and mires

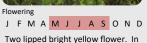
Magnificent Meadows

A key to identify some of the important flowers of our meadows Developed by EcoRecord on behalf of The Wildlife Trust for Birmingham and the Black Country

Yellow flowers







June the capsules swell and begin to rattle with the seed within.







J F M A M J J A S O N D Flower head is the familiar daisy flower but 1-2 inches $(2^{1/2}-5cm)$ across.

Green flowers



Rumex obtusifolius

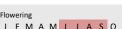


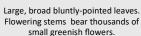
J F M A M J J A S O N D Flat -topped cluster of yellow, daisy-like flower heads





Flowering J F M A M J J A S O N D Pale lilac to deep pink flowers with four petals, produced in clusters. Found in damp meadows





Symbols 🛟 or 🧲 Denote a positive or negative indicator species. More information overleaf



Creeping Buttercup

Ranunculus repens

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

Yellow flowers. Rosettes of three-

lobed leaves spread by producing

runners on soil surface.

Meadowsweet

Filipendula ulmaria

lowering













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

Creamy foamy irregularly-lobed

head of small flowers. Plant smells

like 'Vick' balm.

Positive Indicators

The following species are desirable and it is a positive outcome of monitoring if they appear and/or if they are tending to increase:



Common Knapweed - A rather stiff, erect, perennial herb, usually 1-2 ft (30-60 cm) tall. This is a constant species in the lowland hay meadow and is also found in many grassy places.



Leaves & Stems: lower leaves irregularly lobed along both margins; lower are regularly toothed. Stems and leaves are downy.

Flower: The flower head, rather less than an inch (3 cm) across, resembles that of a thistle, but plant is entirely without spines. Flower head made up of many individual flowers enclosed by numerous sepal-like 'bracts', their upper parts brown or black and with long fine teeth.

Not to be Confused with: Greater Knapweed - much less common & always has enlarged marginal florets



Field Scabious - An attractive perennial plant of unimproved, fairly base-rich dry grasslands, it is typically 1-3 ft (30-90 cm) tall in flower.

Leaves & Stems: leaves hairy, narrow and borne in pairs with toothed margin and are mostly lobed down both edges. Stems stiffly hairy and erect.

Flower: four-petalled flowers, pale bluish-lilac, the stamens with pink anthers. Individually they are small, but they are borne in flattish pincushion-like heads (1.5 inches) across. The marginal flowers are distinctly enlarged.

Not to be Confused with: cultivated scabiouses - most rarely naturalise and have larger flower heads

Small Scabious - rarer, small and slender, found on limestone with bluer-lilac flowers

Devil's-bit Scabious - later-flowering, found in damp, rather acid grassland and mires. Smaller round often deepbluish purple flower heads of four petalled flowers.



Betony - a scentless relative of the mints, one or at most two foot (30-60 cm) tall. Found in old grasslands and by waysides.

Leaves & Stems: simple opposite leaves and square stems, borne mainly at ground level. Leaves mostly shortly stalked, very neatly toothed and blunt-tipped.

Flower: brilliantly red-purple in colour and forms an oblong cluster. Individual flower is about ½ to ¾ inch (12-18 cm) long. Has a very obviously different top and bottom and the petals are joined at the base to form a tube.

Not to be Confused with: Other members of the family which you might come across are distinctly scented - e.g. Hedge Woundwort - or quite a different colour of flower e.g. Selfheal or Bugle - which are both blue.

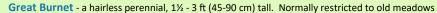


Ragged Robin - A cheerful perennial, typically 1-2 ft (30-60 cm) tall often quite short-lived, occurring in wet pastures and mires, often associated with rushes

Leaves & Stems: hollow stems. Leaves in pairs, pointed, toothless and narrow below into an indistinct petiole with a few coarse hairs either side.

Flower: occur in loose clusters; they are guite large, about an inch (3 cm) across. The five petals are each bizarrely cleft into four unequal lobes.

Not to be Confused with: similar to but easily distinguished from Red Campion by the 'ragged' flowers and the wetter habitat.



Leaves & Stems: leaves are large, divided into 3-7 pairs of stalked, very evenly toothed leaflets in two rows. The leaflets are typically 1-2 inches (2-5 cm) long and oval. There are also little leaf-like outgrowths at the bases of the main stalk of the leaf called stipules.

Flower: flower heads start to appear in June & are tight, slightly oblong balls of tiny dark reddish-purple

Orchids - The orchid family is united by possessing the highly characteristic and immediately-recognisable orchid flower, although in our native species the flower is usually small and grouped in a fairly dense head of many flowers.

The life history of orchids is complex, and the plant cannot reach maturity unless the minute dust-like seed are infected by a soil-inhabiting fungus.

Species present in B&BC: Bee Orchid. Common Spotted-orchid. Southern Marsh-orchid. Hybrid Marsh-orchid. Common Twayblade,



3

Yellow Rattle - It is an annual; the seeds germinate in mid-spring and its roots attach themselves parasitically to those of surrounding plants , usually the most abundant ones, allowing less vigorous plants to survive.

Leaves & Stems: The plant is almost hairless, up to 2 ft (60 cm) tall but usually much shorter. The stem is usually erect, branched or unbranched, with pairs of sharply- toothed, unstalked leaves. Flower: bright yellow flattened two-lipped flower

Oxeye Daisy - a fairly short-lived perennial daisy. can be very abundant, especially in the early years after hav meadow creation.

Leaves & Stems: Before the plant flowers the leaves form a loose rosette of glossy, coarsely-toothed, spoon-shaped basal leaves at ground level. Typically it produces a single unbranched, erect, slightly hairy stem 1-2 ft (30-60 cm) tall. The stem bears a spiral of small, glossy, coarsely-toothed or shallowly lobed leaves

Flower: The flower head, borne from May onwards, is the familiar daisy flower, but 1-2 inches (2½ -5 cm) across.

Not to be Confused with: Scentless Mayweed - another large daisy but has finely divided leaves.

Closely related cultivated species, e.g. Shasta Daisy, but this is a longer-lived perennial forming clumps of stems and the flower heads are larger, rarely less than 2 inches (5 cm.) across.

- Cuckooflower A perennial of damper or even wet meadows, it starts to bloom in April, hence its name
- Flower: larger than in other members of the genus, with petals ¼ ¾ inch (6-18 mm) long. They are succeeded by elongated fruits

Not to be Confused with: Other members of the genus are mostly weedy plants with much smaller flowers and minutely hairy leaves e.g. Large Bittercress, a plant of wet woodlands

Meadowsweet - Found mainly in damp meadows or at stream sides or in woodland margins, this is a patch-forming hairless perennial.

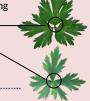
Leaves & Stems: Usually it has many upright stems, 2-4 ft (60-120 cm) tall at flowering. The leaves are divided into two rows of doubly-toothed leaflets, with large and small leaflets inter-mixed.

Negative Indicators

The following species are likely to be present on your site and represent those species which may tend to increase if soils, other conditions or management are not ideal.

Creeping Buttercup- There are several Buttercups, all with the familiar yellow flowers and the divided leaves, but only the Creeping Buttercup is really undesirable, being characteristic of disturbed or trampled places on rich soils . The leaf has a distinct stem-like portion between its three main lobes.

Not to be Confused with: Meadow Buttercup - a desirous species , is a taller, much branched plant in which the leaves are quite finely divided and lack the stalk in the middle. Another similar species is **Bulbous Buttercup** which lacks the runners and has backwards pointed sepals in the flowers and grows in dry meadows.





Ragwort* - A vigorous plant, thought of as a biennial but sometimes taking several years before flowering, when it becomes up to 4 ft (120 cm) tall

Leaves & Stems: spirally-arranged leaves, with bases clasping the stem, are deeply cut into two rows of narrow, toothed lobes

Flower: cluster of cheerful, yellow, daisy-like flower heads, each ½ to 1 inch (1.5-2.5 cm) across.

Not to be Confused with: Oxford Ragwort - common in bare waste places and is shorter and more diffuse in flower

Marsh Ragwort - larger flowered and found in wet pastures. Terminal lobe of the leaf much larger than the rest

Creeping Thistle* - a perennial with long, vigorous underground stems which can form extensive and very prickly patches in grassland if ignored. Associated with disturbance, over-fertile soils and, in pastures, with over- or under-grazing. The leaves are usually hairless and quite glossy above, (downy beneath) with a wavy and strongly spined margin.



Spear Thistle* - a biennial rather than a perennial, i.e. it dies after flowering, so that in theory it is easier to suppress than Creeping Thistle.

Not to be Confused with: Marsh Thistle - desirous species, occurs in wet grassland. It is a biennial, like Spear Thistle, with narrower, deeply lobed leaves which are even more spiny, often with purple spines.



Broad-leaved Dock* - found in disturbed, fertile soil, often growing with nettles. It's a tenacious perennial weeds with deep, woody tap roots. The leaves are heart-shaped at the base and the base of the leaf stalk has a transparent sheath.

Four of the species (asterisked above) are classified as nationally '**injurious Weeds of Agriculture'**, which agricultural landowners under some circumstances can be compelled to controll More information: http://www.naturalengland.org.uk/ourwork/regulation/wildlife/enforcement/injuriousweeds.asy#dab/us

This ID sheet is intended as a guide only. You will also find it useful to have an illustrated Flora to refer to for more information.