



Wildflower Meadows

Creating and maintaining flowering lawns and pots



Gloucestershire

Victims of increased herbicide use and 'improved' agricultural practices, some arable 'weeds' are now quite rare.

But all is not lost.

Wildflowers can be grown at home, even by those without a garden as they can be sown in hanging baskets or window boxes.

Not only are wildflowers pretty to look at, they are extremely important for our native wildlife,

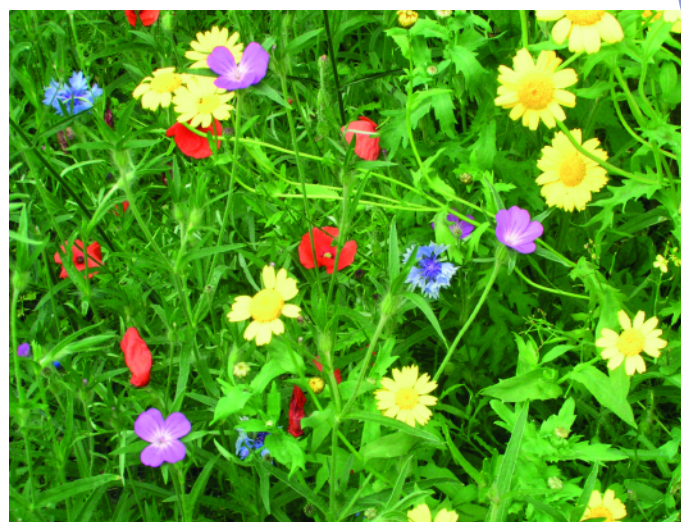
providing hunting and feeding grounds for many insects, mammals and birds. Indeed they have evolved together and many species are inter-dependent for their survival. This fact sheet shows you how to help conserve our rich flora and fauna at home.

Spring or Summer Flowering?

Wildflower meadows fall into two broad camps. Those that flower in summer, July–August and those that flower in spring, February–May. Unfortunately, you cannot have both in the same area because they require different mowing regimes (see over). They can however, be grown in different parts of the garden or in different pots. In addition, you can plant an annual or perennial mix.

If you only have a small area of lawn, a spring meadow may be more practical because you can return it to a regular short mown lawn in time for the summer BBQs and parties. However, heavy use may damage some of the less hardy species.

Remember, wildflowers can also be grown in flower borders if you do not have a lawn.



cornfield annuals

photos - R. Burkmar

The ringlet butterfly needs meadow grasses on which to breed



poppies and corn marigold

Wildflower meadows are excellent for insects, birds and mammals

Annuals can be sown in spring or autumn

- Field poppy
- Cornflower * (see over)
- Corn marigold \
- Corncockle +
- Corn chamomile

For a traditional look, add some cereals to the mix (wheat, oats or barley)

Cornfield Annuals

Annuals grow and flower in the same year and will be happy in rich fertile soils, unlike native perennials. These prefer a nutrient poor site. Annuals, often known as 'cornfield annuals,' can be sown in spring or autumn, although spring sowings often give a more colourful and varied display. Grass and weeds must be removed before the seed is sown.

After flowering and the seeds have set (Aug/Sept) the area can be cut to 50mm. The site will need to be deeply dug over or rotavated each spring to promote seed germination. Additional seed can be added in the first three years to build up the seed bank in the soil.

Seed should be sown at 5g/m2. Roll soil after the seeds have been sown and water lightly.

ox-eye daisies

Plants for Spring Flowering Meadows

- | | | | |
|----------------|---------------------|---------------|------------------------------|
| Grape hyacinth | Cowslip/ | Selfheal-+ | Cow parsley-* |
| Red campion/ | Ribwort plantain+/- | Wild daffodil | Snake's head fritillery |
| Oxlip- | Black medick- | Bluebell | Lady's smock (cuckoo flower) |
| Primrose-/ | Hoary plantain+ | Sweet cicely | Bulbous buttercup |





garden scabious

Plants for Summer Flowering Meadows

Autumn hawbit*+	Tufted vetch*+	Red campion\	Kidney vetch
Meadowsweet*-=\	Bladder campion/	Perforate St John's Wort*	Salad burnet
Teasel*+--=	Goatsbeard	Ribwort plantain+\	Lady's bedstraw\
Betony*	Scentless mayweed*-	Yarrow*+	Dropwort-
Field scabious+\	Ox-eye-daisy-	Harebell	Dyers greenweed Selfheal+
Musk mallow	White campion\	Common mallow	Lesser knapweed*+
Toadflax+	Wild carrot*	Hoary plantain+	Meadow cranesbill+
Musk mallow-+	Common agrimony+=	Yellow rattle	Red clover /*
Foxglove*\	Greater knapweed*+=	Devil's-bit scabious	Small scabious*+-
Bird's-foot trefoil+--\	Red clover*-	Viper's bugloss*+	

Key: * Good for bees + Good for butterflies - Good for insects = Good for birds \ Good for moths

For
wildflowers suited to
shady conditions, please
see fact sheet 'Trees &
Shade Plants'



garden meadow

YOUR WILDFLOWER MEADOW

Preparing the soil on a dry day

As well as choosing the correct plants for your habitat, good ground preparation is the key to success. Perennial wildflowers require a soil low in nutrients. Highly fertile soils are better suited to cornfield annuals (see over.) For most areas, you will need to reduce soil fertility by removing the top soil. This will also help to get rid of unwanted grasses and weed seeds. If the soil is poor already, remove existing vegetation by hand. Scratch the bare soil with a rake, but don't rotavate it, as this can bring unwanted weed seeds to the surface.

Sowing the seed

Sow a wildflower and grass seed mix using 5g/m², with a ratio of 1 part wildflower:4 parts grass/seed. Once the soil has been prepared as above, you are ready to sow your seed. Mix the seed with a little sand so you can see where you have sown it and scatter it on the ground. This can be done in autumn or spring. Once the seeds have been sown, roll the soil or walk over it to ensure the seed is in good contact with the soil. Water lightly. If it is a small area, place twiggy sticks over the bare soil to keep cats and birds off whilst the seeds germinate.

Management *first year*

To help the flowers establish well, the meadow will need to be cut during the summer. The grass should be kept at 50mm and the cuttings removed. Unwanted weed growth like docks should be removed too. A perennial meadow will not usually flower in its first year.

Managing established meadows *after the first year*

The mowing regime for spring and summer meadows is different. A spring meadow is cut from late June to autumn. A summer meadow is often cut to 50-100mm height in March, then left uncut until late September/October. The grass should never be cut too short. A minimum height of 50mm is recommended. **All cuttings must be removed** to prevent nutrients building up in the soil. These can be composted.

Including grass

Grasses can complement perennial flower mixes. The following will not out-compete the flowers:

Red fescue
Crested dog's tail
Common bent
Meadow grass
Meadow foxtail
Quaking grass
Sweet vernal grass
Yellow oat grass

Gloucestershire Wildlife Trust

Conservation Centre
Robinswood Hill Country Park
Reservoir Road
Gloucester GL4 6SX

Tel: 01452 383333 Fax: 01452 383334
info@gloucestershirowildlifetrust.co.uk
www.gloucestershirowildlifetrust.co.uk

photos - R. Burkmar

Living landscape

Our gardens represent a vast living landscape; and with an estimated 16 million gardens in the UK, the way they are managed can make a big difference to wildlife.

Across gardens and beyond, The Wildlife Trusts' vision to create a Living Landscape involves enlarging, improving and joining-up areas of wildlife-rich land in all parts of the UK. There are now over 100 inspirational Living Landscape schemes around the UK, rich in opportunities for sustainability, learning, better health and wellbeing. What is good for wildlife is good for people too.

For more information go to www.gloucestershirowildlifetrust.co.uk