Natural Surroundings

Natural Surroundings is a small business based in North Norfolk, owned and run by Anne & Simon Harrap. We lease around 4 hectares from the Bayfield Estate, which lies in the valley of the River Glaven just south of Blakeney.

Our aim is simple – to promote wildlife-friendly gardening, and to inspire love and appreciation of the natural world, especially plants.

It is a cliché to describe Norfolk as 'flat', but North Norfolk is far from flat. We lie in a rolling landscape of glacial moraines and eskers.

Local soils are a mixture of sands and gravels with some chalk – basically a mass of debris scraped from the North Sea basin by the ice sheets and then sorted, in some places at least, by the action of water. In the narrow valley bottom, however, the soils are peaty. Much of the estate is farmed, with crops of sugar beet and barley and, increasingly, also outdoor pigs.

The River Glaven runs through the Bayfield Estate and forms our western boundary. It has cut down through the Holt-Cromer ridge, a moraine of uncertain age, to reach the coast at Cley.



The estate is managed sensitively and the beet fields and autumn stubbles are great hunting grounds for arable weeds, with Night-flowering Catchfly relatively frequent. The variety of arable weeds helps us to amass good totals in the 'New Year Plant Hunt' (74 species in January 2000).

In our 4 hectares we have informal gardens, woodland and meadows. Our nursery specialises in native wild flowers and cottage garden plants (as well as anything else that we find interesting!). We also have a small shop and a café.

Our fifteen 'demonstration gardens' are complemented by a small area of wet woodland, river frontage, and meadows.

The gardens are divided up into 'demonstration gardens', each with a theme, either an aspect of

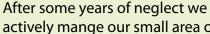
wildlifefriendly gardening, or a particular habitat.



The Estate was landscaped in the late 19th century. Our backdrop is a line of limes, beech and copper beech that looks stunning in the spring afternoon sunshine.

Our meadows are 'semi-natural' – the narrow floodplain of the river was probably cropped for hay for generations, but this stopped decades ago. Along the Glaven some areas are grazed, while others are now abandoned.

In our grounds we have two magnificent Large-leaved Limes that approach 30 metres in height, while to the west the River Glaven is bordered by Grey Poplars that again, look superb in spring and autumn.



actively mange our small area of meadow with an annual cut and rakeoff. Notably, the meadows are kept damp by ground water, and we try

to prevent river water from flooding over onto them, as in spate the Glaven carries a large sediment load as well as high levels of phosphates etc.

Our wet woodland is dominated by Alder, Ash and Sycamore. The ground is so wet due to flushing that many of the trees are dead or dying, and are easily blown over. The ground flora is limited, but does include Ramsons and both Opposite-leaved and Alternate-leaved Golden Saxifrages.



We have a superb setting, lovely gardens, and lots and lots of plants - both wild and cultivated. Our problem is, however, how do we persuade our visitors to actually look at them?

We use sign boards: we have a large, The Wildlife-friendly Garden With around 23 million gardens in the UK, covering 435,000 ha, gardens have great potential pace with a country of the planning and a few tweels, they can indeed sew less many less didlife habitats. And, with a bit of planning and a few tweels, they can indeed sew less many less for a whole has for creatures, from birds to bees, butterflies, frogs and toads, value garden full of life for a whole has to creatures. Wildlife-friendly gardens can be beautiful too, and a colourful garden full of life behaviour creatures. Wildlife-friendly gardens can be beautiful too, and a colourful garden full of life behaviour creatures. Wildlife-friendly gardens can be beautiful too, and a colourful garden full of life behaviour and a colourful garden full of life behaviour and a colourful garden full of life behaviour and the spirits and give immerse pleasure, and can also help to connect people, both young and life the spirits and give immerse pleasure, and can also help to connect people, both young and life the spirits and give immerse pleasure, and can also help to connect people, both young and life the spirits and give immerse pleasure, and can also help to connect people, both young and life the spirits and give immerse pleasure, and can also help to connect people, both young and life the spirits and give immerse pleasure, and can also help to connect people, both young and life the spirits and give immerse pleasure, and can also help to connect people, both young and life the spirits and give immerse pleasure, and can also help to connect people, both young and the spirits and give immerse pleasure, and can also help to connect people, both young and the spirits and give immerse pleasure, and can also help to connect people, both young and the spirits and the spirits and give immerse pleasure, and can also help to connect people, both young and the spirits and the spirits and give immerse pleasure, and can also help to connect people, both young and the spirits and give immerse pleasure, and can also help to connect pe

general introduction to wildlife-

friendly gardening.



In addition, many of the demonstration gardens have a particular 'wildlife-friendly' theme. For each we have an interpretation board.

EIGHT PRINCIPLES of WILDLIFE-FRIENDLY GARDENING

The challenge is to convey meaningful and interesting information without being too'wordy'.



The Bog Garden

for plants. They typically get most or all of their water from rainfall - thus bogs are mostly found in the wetter north and west of Britain (although there are several fine bogs in Norfolk) - and they are acidic. The dominant plants in most



bogs are Sphagnum mosses. These have special adaptations to control their environment, notably large cells that hold a lot water, just like a sponge, helping to keep their surroundings permanently wet and boggy.

When a plant dies, its remains are usually decomposed by fungi and bacteria and all the nutrients locked up during its lifetime in its leaves, stems and roots are returned to the soil and re-cycled. This process of decay requires oxygen, however, and when there is not enough oxygen in the soil due to waterlogging, the plant's remains are only partly decomposed, producing *peat* (and when peat is fossilized, it turns into coal).

Our mini-bog grades from a bog pool and very wet area, through a wet but not waterlogged section, to a raised bank suitable for plants typical of drier moorland or heathland, especially 'dwarf shrubs'. It has been made with peat-free compost, as we do not want to destroy the habitat of wild plants to make our gardens.











We have similar large, general introductions to the habitat-themed gardens.

We also highlight some of the plants at Natural Surroundings, both wild and cultivated, as they come into flower (or fruit).



WOAD Isatis tinctoria

Woad is a member of the cabbage family (the Brassicaceae or 'crucifers' - due to their four petals arranged in a cross). It is not native to Britain,

but an ancient introduction from Europe, once cultivated for the blue dye obtained by fermenting the first-year leaves - a practice that died out in the 1920s as artificial chemical dyes were developed.

Woad may have been used to produce dye as long ago as the Neolithic. In AD 54 Julius Caesar referred to the Britons staining themselves with a blue dye, giving them a wild look in battle. Indeed, the very name 'Britain' may derive from a Celtic word meaning 'the painted ones'.

Biennial to perennial, 40-150cm tall, well-branched, with numerous small yellow flowers. The seed pods are 10-25mm long, drop-shaped, and are held drooping; they ripen through purple-brown to blackish.

Chalk Bank



The bedrock in much of England is chalk, which is the fossilised shells of untold billions of micro-organisms, and it forms one of our most iconic vistas, the White Cliffs of Dover

England's chalk hills were amongst the first areas to be cleared of trees by Stone Age farmers. Over thousands of years the resulting chalk 'downs' grazed by sheep, cattle and rabbits, and periodically cultivated. Chalk weathers to form poor, free-draining alkaline soils – a tough environment for plants – and unique communities of wild flowers developed, made up of the species that could survive the harsh conditions. Most do not actually need chalky soils, but the harsh conditions help to suppress more vigorous competitors.

Sadly, most chalk downland has been 'improved' and the flowers have gone. The few remaining areas, usually now reserves, are amongst our most beautiful and flower-rich habitats. In Norfolk the chalk bedrock is mostly buried under sands and gravels left by the various Ice Ages and flower-rich chalk grassland is a rarity. To show off some of its riches, however, this bank of excavated chalky soil has been planted with a selection of native wild flowers that are characteristic of chalk grassland















Wild Liquorice

Astragalus glycphyllos

ith straggling stems that can reach 100cm More-or-less confined to England, this stocky, shruba very localised plant that is always a pleasure to find. Despite the name, it is not the source of the confection known

amily, *Glycyrrhiza glabra*, a native of SE Europ Asia – we have a small specimen in 'The Cage



Lesser Burdock Arctium minus



Small Teasel

Dipsacus pilosus

A British native, closely related to Wild Teasel but much scarcer, Like its bigger cousin, Small Teasel is a biennial. Seeds germinate in the first year and the plant forms a rosette of leaves that overwinters. It then flowers in its secon year, sets seed and dies.

Small Teasel grows in lightly shaded spots on damp, alkaline soils, and Natural Surroundings has plenty of suitable habitat. The plants that you see are wild, having seeded themselves here. We let them get on with it as they are statuesque and the flower heads, when they when they were the seed of the see



ven Valley at Bayfield.





Impatiens capensis

A native of North America that was introduced to Britisl gardens around the beginning of the 19th century and which then 'escaped' into the



countryside, where it was first recorded by 1822. An annual, Orange Balsam grows in wet grou river and streams and in wet woodland, and has been slowly spreading across the southern half of Britain It is a close relative of Indian Balsam (aka Himalayan

Balsam) but thus far has escaped the label of 'invasive alien' and thus attempts to eradicate it. Take a moment to look at the elaborate structure of the flowers and enjoy their superb 'burn orange' colouration





Most recently, we produced a 'Wildlife Gardening Trail' guide, a 20 page colour booklet that we sold for £1. Despite the price (half the price of a cup of coffee!) only a relatively small minority of people visiting the gardens and grounds will buy a copy.

CONCLUSIONS

Despite our best efforts, we still feel that we are falling short of our goal of inspiring our visitors to really look at plants. Indeed, we have come up with a general rule of thumb:

75% of visitors come for a stroll and a chat in lovely surroundings. They don't want a guidebook, and don't look at many signs, however attractive and informative.

20% of visitors are interested in plants and gardens, and/or wildlife. They will take a guidebook around with them and will read many of the signs.

5% of visitors a really interested and keen to learn. They will study everything, appreciate every piece of information, ask questions and tell us that they have picked up lots of ideas to take home with them to their own garden.

No one size fits all. We are working to provide more information and interpretation, in various formats and at various levels of detail. We then come up against another issue: too many signs and information boards can be visually intrusive.

We would love to have some suggestions as to how we can improve, or examples of 'good practice' that really work!

www.naturalsurroundings.info