## Scary imposters

scare away predators, these features are harmless. A few large moth species have caterpillars with eye-like markings, spikes that resemble stings and they take up weird postures. Though designed to







'False stings' on Lime Hawk-moth (M-Jy) left, Sallow Kitten (Ju-O) centre and Pale Tussock (Jy-O) right.



Butterfly Conservation

Registered Office: Manor Yard, East Lulworth, Wareham, Dorset Company limited by guarantee, registered in England (2206468) **Butterfly Conservation** 

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https://www.upperthames-butterflies.org.uk/



they live. Others are brightly coloured to warn predators away. Caterpillars are fascinating and each species is unique. Many blend into their surroundings by matching colour, or shape to the plants on which

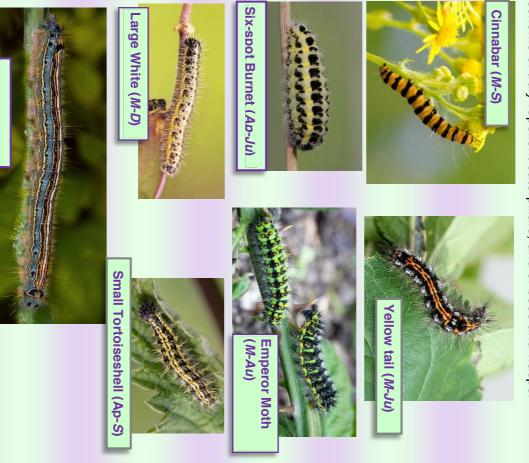
as most species are restricted to eating a few particular plants. plant on which you find a caterpillar feeding is a good clue to its identity; identification guide but an introduction to the marvel of caterpillars. The There are over a thousand caterpillar species locally. This leaflet is not an

be found in every month. nutritious and growing fastest) but some overwinter, so caterpillars may Most are found in spring and early summer (when the leaves are most native species of flowers, shrubs and trees; and more in the countryside You will find many caterpillar species in any garden with a variety of

dramatically to help the caterpillar escape predation. Even so, most camouflage scheme less effective, so colour and shape can change repeatedly replaced with larger ones. Increasing size can make an orginal As they grow, caterpillars' inelastic skins become too small, so they are completely, pupate and become adults caterpillars will be eaten (or suffer disease) before they develop

## Colourful Caterpillars

scheme of truly repellent caterpillars, and of bees and wasps A few are equally colourful but pose no threat, simply mimicking the colour colour schemes; usually red and black or yellow and black. bad, or will make them itch. It benefits all these species to adopt similar Some caterpillars are brightly coloured to warn predators that they taste



## Hairy Caterpillars

a painful rash. Recently imported to our area of the UK, the Oak breathing difficulties if inhaled. Processionary is one of the most harmful. Its hairs may even cause It is best not to touch any hairy caterpillars. The hairs of some species cause



caterpillar inside the cluster is protected by those outside it. Living in a group helps increase the threat these caterpillars pose and each However, some hairy caterpillars simply mimic the dangerous ones and are incapable of stinging. The caterpillars of Tiger moths lie between the two







Drinker (Ap-M)

Lackey (Ap- Jy)



### evade predators that hunt by sight (and human observers too!). caterpillars of this type. Their cryptic shapes, colours and poses help them Many caterpillars of the Geometrid family of moths look very much like tiny Stick - like Caterpillars twigs of the trees on which they feed. There are many similar looking

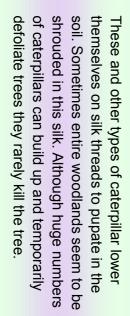
forwards. Then 'walk' the head forwards; so are called "loopers" They move by arching, to bring their back legs



Pale Brindled Beauty (M-Ju)



caterpillars may also be green Brimstone Moth (Ap-O). These



They definitely feed many baby birds







## **Colonial Caterpillars**

and scare the wasp away. Some caterpillars living in groups are harmful to wasps, thrashing about in unison, as if they are a single large creature, to try bluffing. Several butterfly caterpillars respond to the arrival of parasitic tackle threats together. Though some look spiky and scary, most are Although the majority of caterpillars feed alone, some feed in groups and people, causing severe itching if they or their web, is touched





(Ap-S)

## **Cannibal Caterpillars**

and as others of their kind might eat them. If Orange-Some caterpillars live solitary lives to get enough food eat them (to protect their food source) tip caterpillars find smaller ones of their species, they



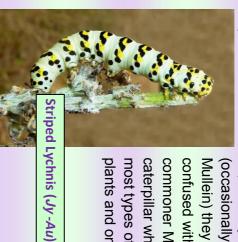
# Confusing Caterpillars - not butterflies or moths at all



moth but other insects have similar looking Most caterpillars develop into a butterfly or butterfly and moth caterpillars. Sometimes younger stages. Sawfly larvae are much like caterpillars and just two, larger black eyes. Sawfly larvae have more pro-legs than they adopt the characteristic pose shown left

## The Striped Lychnis

survey for it is to look for its striking caterpillars (as adults rarely visits light traps and are hard to find). Usually found on Dark Mullein plant flower spikes The nationally rare Striped Lychnis moth lives in our area. The best way to



plants and on Buddleia most types of Mullein caterpillar which feed or commoner Mullein moth confused with the much Mullein) they can be (occasionally on White



Mullein (M- Jy) The commoner

## **Concealed Caterpillars**

Faced with the dangers associated with feeding in the open, many leaves. They are known as 'leaf miners'. They may be identified by the caterpillars of our smaller moths feed exclusively inside the tissues of

characteristic shape of the Some other species live http://www.leafmines.co.uk/ the species of leaf that is trail created as they feed and 'mined';

Stigmella moth species on Bramble. The months after the larvae have finished feeding translucent mines remain visible for many

inside stems and roots.



Camouflaged Caterpillars

along leaves' mid-ribs. One group live and behaviours that help them blend Caterpillars have evolved to avoid predation. Those that have little defence they have evolved colours, shapes usually try to stay hidden and if too their surroundings! (see right) inside cases that they build from bits of in. So very many are green and sit miners and species inside plant stems) large to hide inside their food (like leaf

Psyche casta (Bagworm) (Jy-M)



Small White (Ap-D)







Spectacle (Ju-S)

Caterpillars may change colour as they change the background in which

they live. Identifying green caterpillars can be hard and the fact that different



stages adopt different colours (and possibly

shapes), makes it ever more challenging.



Brown Hairstreak butterfly (Mr- Jy), early stage on left and final stage on right