





















This isn't a bee, it is a fly in disguise! It protects itself by looking like a bee, which would put off some predators. You can tell that it is a fly because it has two separate compound eyes and only 1 set of wings which rest away from the body.

spots on its delicate wings. It flies from late March to mid-june and likes to feed on primroses, violets and green alkanet. It is a parasite on other solitary mining bees. She rolls her abdomen in the sandy soil, scooping it up to coat the eggs for camouflage. She then flies up to the entrance of the bees nest and flicks the eggs into the tunnel. The larva when hatched can feast on the nectar and pollen stores, as well as the bee larvae.











## GLOW WORM

#### Lampyris noctiluca

These creatures are not worms but actually a beetle. The adults are only found for a short time in June and July and are about 15–25mm long. They are found in meadows, edges of scrub and hedge bottoms. Numbers are falling due to loss of habitat and possibly artificial lighting making it hard for the females to be seen.

A typical Glow worm larva takes two years to grow up, hunting in the summer and passing two winters in hibernation below ground or under logs or stones. The larva feed on slugs and snails, killing them by biting them and injecting digestive

proteins that paralyse and eventually dissolve the soft body of the slug or snail. While they are waiting for this process to happen it might ride on the snails back, keeping away from the sticky mucus it produces!

When it pupates and emerges as an adult, females climb up plant stems and glow to attract a male. Males can fly and have large photosensitive eyes, perfect for scanning the vegetation at night, looking for a female. Neither the male nor the female Glow worm have any mouthparts, so they can't feed and their brief adult lives are a race to meet, mate and lay eggs. Having mated she lays 50–150 small faintly glowing eggs which hatch a month later.





















# LONG-HORNED MINING BEE

#### Eucera longicornis

This bee is one of the UK's largest solitary bees, the male is striking for its extraordinarily long antennae. It feeds on a variety of flowers including bramble and comfrey but has a particular preference for pea family flowers – birds foot trefoil, clover and everlasting pea. Although solitary, they dig their own tunnels but nest in aggregations, making small communities.

These aggregations have been found along the South Devon coast around Prawle to Start Point and Wembury. The species is in decline due to loss of habitat and forage sites.

The adults emerge in May and forage until early July. The female digs a burrow in bare ground or soft sandy cliffs, lays her eggs and fills the tunnel with stores of pollen and nectar, then seals it up. The larva hatch out, eat the stores and emerge as an adult the next year.

This bee is the host for the Six-banded nomad bee - the rarest bee in the UK.





















metallic blue reflective scales on its wings. The adults only live for 4-5 days and rarely fly more than 50m from the nest site – so they need good supplies of their favourite food plants nearby!

and the ants accompany the emerging butterflies back up, protecting them from predators until the butterflies wings have pumped up and they are ready to fly off.





















## THRIFT CLEARWING

### Synansphecia muscaeformis

This nationally scarce moth can be identified by three or four narrow and yellowish white bands on its abdomen (end body) and vertical stripes on its thorax (front body).

They are quite small moths with a wingspan of 15–18n mm. The wings have narrow clear spaces

on the blackish or bronzey forewings. They can be found on rocky coastlines and sunken lanes leading to the coast, where its food plants occur. The moths fly in June and July.

The adults feed on thrift and thyme and lay their eggs on the foodplant. The caterpillars hatch out and feed inside the roots and stems of the food plant from August to the following May, overwintering as a part-grown larvae.







