



Build-a-bug FACT FILES

Which body
adaptations will
you choose for
your own special
bug creations?

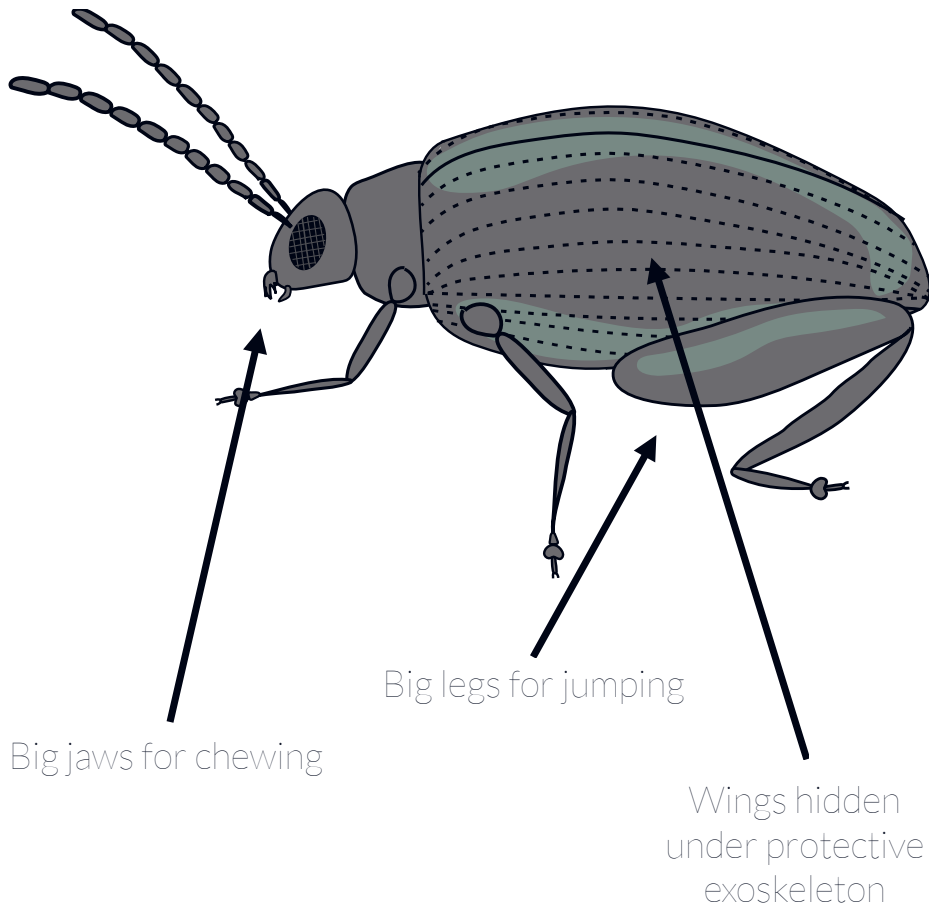


John Innes Centre

Unlocking Nature's Diversity

Pest fact file 101

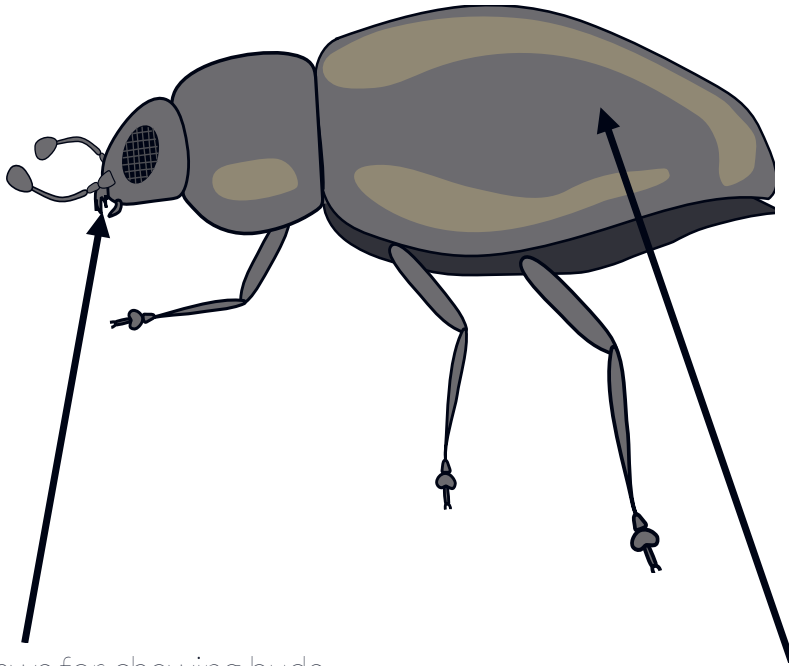
Subject: Cabbage stem flea beetle



Favourite foods: Oilseeds, cabbage, broccoli, sprouts
How it eats: Chewing leaves and stems
How it moves: Quickly jumps like a flea, sometimes flies
Special qualities: Very few predators & resistant to pesticides

Pest fact file 102

Subject: Pollen beetle



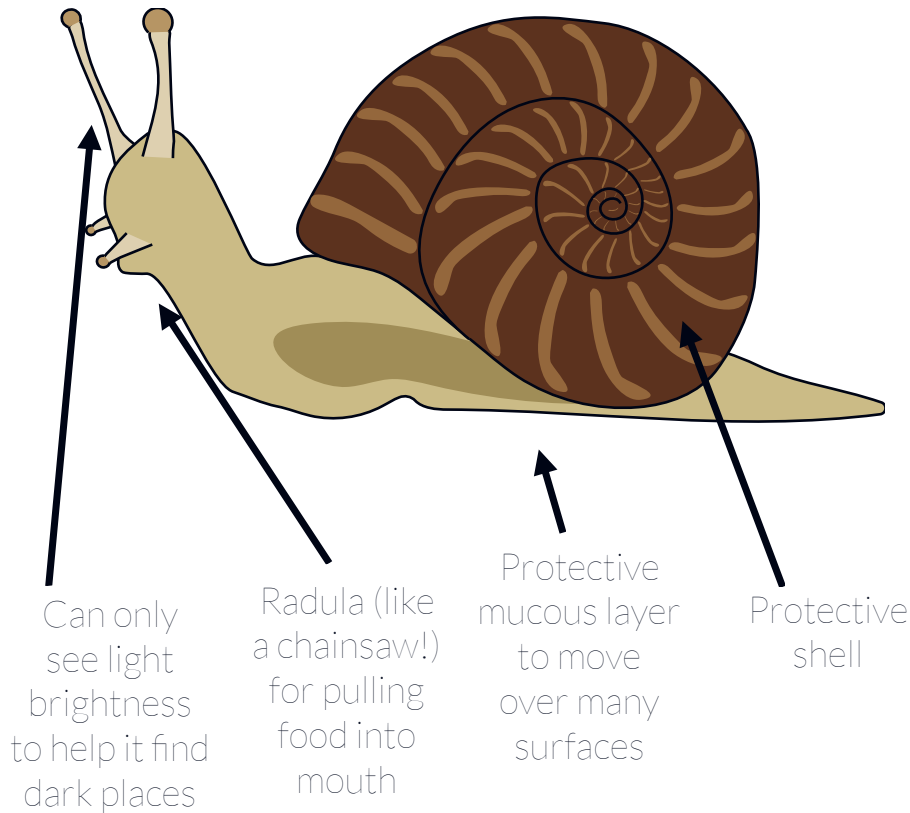
Big jaws for chewing buds

Wings hidden under protective exoskeleton

Favourite foods: Pollen from many flowering plants
How it eats: Chewing pollen from buds & flowers
How it moves: Flies well & crawls
Special qualities: Attracted to yellow & resistant to pesticides

Pest fact file 103

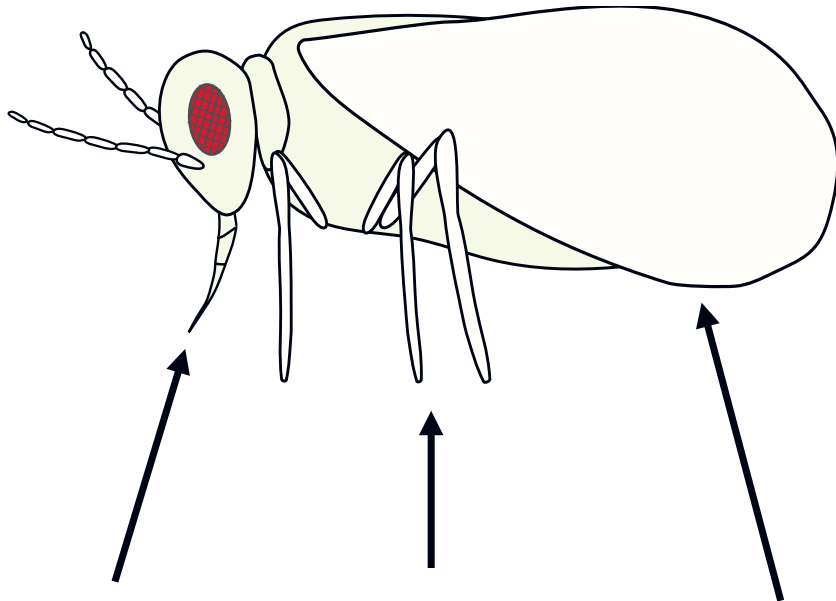
Subject: Garden snail



Favourite foods: Many plants and rotting animals
How it eats: Chewing leaves and stems
How it moves: Very slowly using muscular foot
Special qualities: Individuals are both male & female

Pest fact file 104

Subject: Whitefly



Stylet for sucking sap

Small bodies so can squeeze in many places

Wings for short distance flights

Favourite foods: Many plants, particularly fruits & vegetables

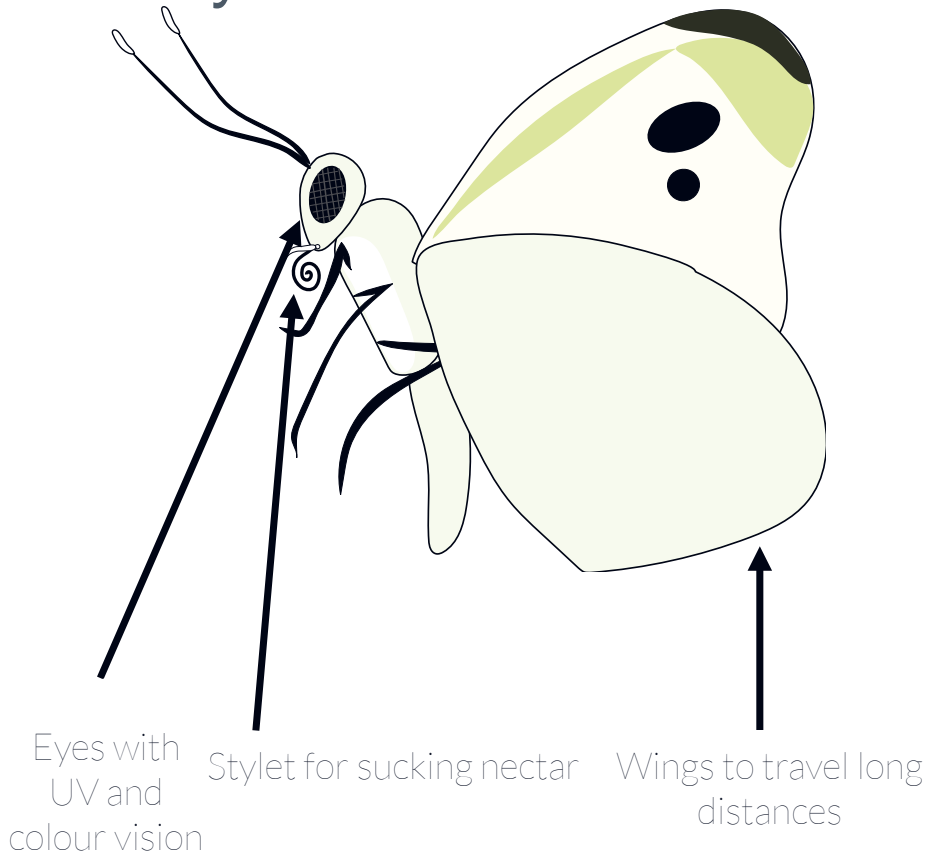
How it eats: Sucking sap out of plants

How it moves: Flying or crawling short distances

Special qualities: Like aphids, can form mutualisms with ants

Pest fact file 105

Subject: Small cabbage white butterfly



Favourite foods: Cabbage, cauliflower, broccoli, sprouts

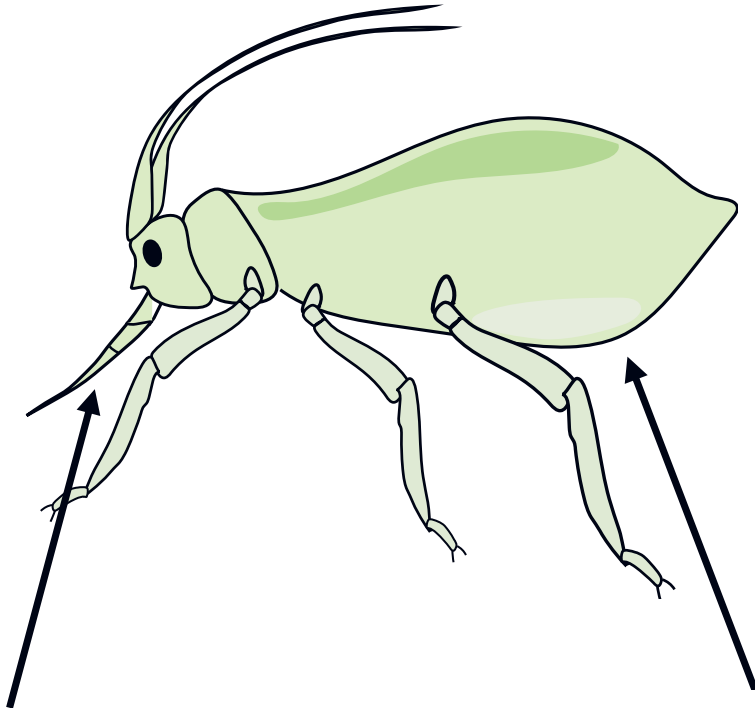
How it eats: Adults suck nectar, caterpillars chew leaves

How it moves: Adults fly, caterpillars crawl short distances

Special qualities: Caterpillars feed in centre of cabbages to hide

Pest fact file 106

Subject: Aphid



Stylet for sucking sap
from phloem

Small, camouflaged body
to hide from predators

Favourite foods: Many, many plants

How it eats: Sucking sap out of plants

How it moves: Slowly crawls, flies at specific times of
year

Special qualities: Females can produce young without
males



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Order Lepidoptera
Family Pieridae
Tribe Pierini
Species Pieris
Date 21/10/15
Location Kew