



X-POLLI:NATION

Survey Recording Sheets

Pollinators are under pressure. We need your help to gather valuable data about vital insect populations and their habitats!

- All you need is a location containing a **target flower species**, this could be in a garden, school grounds or local green patch.
- Watch a 50cm² area (quadrat) for **10 minutes** monitoring all the insects (e.g. bumblebee, butterfly, beetle, fly etc.) that enter.
- Use this form to help you **record the LOCATION, HABITAT, POLLINATORS and WEATHER** while you are surveying. Then upload your results to the [website overleaf](http://www.xpollination.org).* If you have more time you could do the **EXTENSION ACTIVITIES**.

*On the website you can also find more information about the survey, parent/teacher support, risk assessments and related learning, monitoring planting and campaigning resources.

LOCATION

Date of count: _____

Location of your survey site (postcode, grid reference or lat/long): _____

You can refine your location from an online map when you upload your data.

HABITAT

Type of site Please tick box that is the best match.

- | | |
|--|---|
| <input type="checkbox"/> School grounds | <input type="checkbox"/> Nature reserve |
| <input type="checkbox"/> Garden | <input type="checkbox"/> Countryside |
| <input type="checkbox"/> Parkland with trees | <input type="checkbox"/> Churchyard |
| <input type="checkbox"/> Other site (please specify) _____ | |

Habitat Once you have selected where to place your quadrat, please tick which category below best represents the habitat.

- | | |
|--|---|
| <input type="checkbox"/> Hedgerow | <input type="checkbox"/> Lowland heath |
| <input type="checkbox"/> Verge (e.g. edge of field) | <input type="checkbox"/> Brownfield or other 'waste ground' |
| <input type="checkbox"/> Grassland with wild flowers (e.g. meadow) | <input type="checkbox"/> Woodland |
| <input type="checkbox"/> Amenity grassland (usually mown) | <input type="checkbox"/> Planted area (e.g. pots) |
| <input type="checkbox"/> Farm crops or grassy pastures | <input type="checkbox"/> Other habitat (please specify) _____ |
| <input type="checkbox"/> Upland moorland | |

Target flower

You can use the [target plant guide](#) to help you identify the species.

Flower beds and pots



Photo © Julie Jones (flickr)

Lavender (English)



Photo © Pat Gerber (flickr)

Heather (Calluna or Erica)

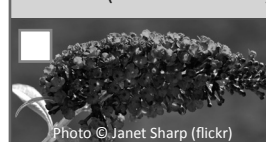


Photo © Janet Sharp (flickr)

Buddleja

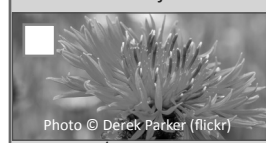


Photo © Derek Parker (flickr)

Common/Greater Knapweed



Photo © Peter Castleton (flickr)

Poppy



Photo © Foshie (flickr)

Cornflower

Hedgerow or Verge



Photo © Leslie Anderson (flickr)

Hawthorn



Photo © James Elliott (flickr)

Bramble/Blackberry



Photo © Janet Elliott (flickr)

Ivy



Photo © Eirlys Howard (flickr)

White Dead-Nettle



Photo © Dave Colthorpe (flickr)

Hogweed

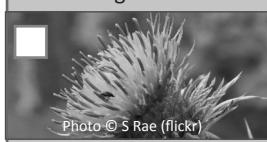


Photo © S Rae (flickr)

Thistle (Carduus or Cirsium)

Grassland



Photo © Anders Sandberg (flickr)

Dandelion



Photo © White buffalo (flickr)

White Clover



Photo © hedera.baltica (flickr)

Red Clover



Photo © Eileanna (flickr)

Buttercup



Photo © Marion CW (flickr)

Ragwort



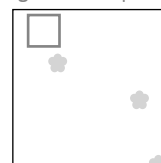
Photo © Englepip (flickr)

Bird's-foot trefoil

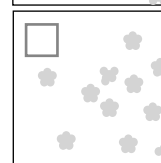
Flower colour

Which most closely matches your quadrat?

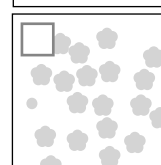
Your quadrat may contain more than one species of flower but here we would like you to estimate what area your **target flower** species occupies.



Target flowers cover less than half of 50x50cm quadrat



Target flowers cover about half of quadrat



Target flowers cover more than half of quadrat

Number of flowers in patch:

I counted:



☐ Individual flowers

Each flower counts as one.



☐ Flower umbels

Each umbel (like an insideout umbrella) counts as one.



☐ Flower heads

Lots of tiny flowers within a flower head- each head counts as one.



☐ Flower spikes

A number of small flowers arranged along a stem- each stem counts as one.

☐ Other (please write the species here if you know it) _____

Flowers nearby

How many other flower species can you see in your quadrat?

Coverage of ALL species of flower:

- | | | |
|--|--|--|
| <input type="checkbox"/> Less than half of quadrat | <input type="checkbox"/> About half of quadrat | <input type="checkbox"/> More than half of quadrat |
|--|--|--|

Is your 50x50cm patch of target flowers:

- | |
|--|
| <input type="checkbox"/> More or less isolated i.e. no other flowers nearby. |
| <input type="checkbox"/> Growing in a larger patch of the same flower |
| <input type="checkbox"/> Growing in a larger patch of many different flowers |











POLLINATORS

Timed Insect Count

Please survey for exactly **10 minutes**. If you are working in a team we suggest you delegate tasks between timing, counting and recording the insects. If you are unsure about telling the difference between groups of insects please see [our identification guide](#).

Time at start of the count: _____

When you are ready to start, please count EVERY insect that you see that LANDS on one of your TARGET FLOWERS (if you're not sure what type it is just add it to the "Other" or "Small insects" category as appropriate). Please try to count each individual insect just once, and try not to lean over the flowers you are watching, as this can cast shadows and prevent insects approaching.

		Tally of number seen e.g. IIII = 4 etc.
Bumblebees		
Honeybees		
Solitary bees		
Wasps		
Hoverflies		
Other flies		
Butterflies & moths		
Beetles (larger than 3mm)		
Small insects (less than 3mm long)		
Other insects		

WEATHER

Sky above your location:



All or mostly blue

☐

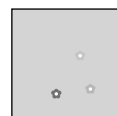

Half blue and half cloud

☐


All or mostly cloud

☐

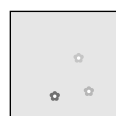
During the 10-minute count, was your 50x50cm patch:



Entirely in sunshine

☐


Partly in sun and partly shade

☐


Entirely shaded

☐

Wind strength

For all plants in the area, not just target flowers, how are the leaves moving.

Leaves still

☐

Leaves moving gently all the time

☐

Leaves moving strongly

☐

What is the temperature at the moment?

You could either check on the Met Office website for the temperature in your area or use a thermometer to record the air temperature.

_____ °C

EXTENSION ACTIVITIES

Planting

You may have already planted some pollinator friendly habitat which you surveyed here. We would love to hear about it here.

Is this quadrat in a patch that you have planted?

☐ yes

☐ no

If so, how much habitat have you planted as a result of this project? _____

e.g. if you planted 50 x 50cm this would be 0.25m².

What have you planted?

e.g. you may have planted a seed mix which you purchased or were given please write the names of the plants below.

If you haven't planted pollinator friendly habitat before or you would like to plant more, make a #PolliPromise and plant for pollinators! See website for tips.



Identifying species from a photo

Either after the Timed Insect Count, when you are taking a break from work, or out on a walk, take a photo of all of the bumblebees that you see. You can upload your image(s) to the website where you can use our [Artificial Intelligence tool](#) to help you identify the SPECIES in your photograph(s).

Submit your results

Thank you for taking part in the X-Polli:Nation Survey. Your results are important to us so please upload your data:

<https://xpollination.org/>

We would also love for you to share your pollinator photos and videos with our online XPolli community:

@XpolliProject #xpolti #pollipromise