

# Butterflies

**Directions:** Fill in the date and time in the top rows and circle the appropriate letter in the column below.

**y** (phenophase is occurring); **n** (phenophase is not occurring); **?** (not certain if the phenophase is occurring).

Do not circle anything if you did not check for the phenophase. In the adjacent blank, write in the appropriate measure of intensity or abundance for this phenophase.



**Species:** cabbage white

**Site:**

**Year:**

**Observer:**

	Date:	Date:	Date:	Date:	Date:	Date:	Date:	Date:
Do you see/hear...	Time:	Time:	Time:	Time:	Time:	Time:	Time:	Time:
Active adults	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Flower visitation	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Mating	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Active caterpillars	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Caterpillars feeding	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Dead caterpillars	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Dead adults	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Individuals at a feeding station	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Individuals in a net	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Check when data entered online:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Comments:**

	Date:	Date:	Date:	Date:	Date:	Date:	Date:	Date:
Do you see/hear...	Time:	Time:	Time:	Time:	Time:	Time:	Time:	Time:
Active adults	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Flower visitation	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Mating	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Active caterpillars	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Caterpillars feeding	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Dead caterpillars	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Dead adults	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Individuals at a feeding station	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Individuals in a net	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Check when data entered online:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Comments:**

## Animal Phenophase Datasheet

Contact: [nco@usanpn.org](mailto:nco@usanpn.org) | More information: [www.usanpn.org/how-observe](http://www.usanpn.org/how-observe)

Taking the Pulse of Our Planet



# Cabbage White

(*Pieris rapae*)



## Phenophase Definitions

### Directions:

As you report on phenophase status (Y, N or ?) on the datasheets, refer to the definitions on this sheet to find out what you should look for, for each phenophase in each species. For reporting animal abundance, if a specific question is included below the phenophase, choose the best answer to the question. If there is no specific question, enter the number of individual animals you observed in each phenophase. Feel free not to report on phenophases or abundances if they seem too difficult or time-consuming.

## Activity

### Active adults

One or more adults are seen moving about or at rest.

### Flower visitation

One or more individuals are seen visiting flowers or flying from flower to flower. If possible, record the name of the plant or describe it in the comments field.

## Reproduction

### Mating

A male and female are seen coupled in a mating position, usually end to end. This can occur at rest or in flight.

## Development

### Active caterpillars

One or more caterpillars (larvae) are seen moving about or at rest. When seen on a plant, if possible, record the name of the plant or describe it in the comments field. Cabbage white caterpillars are usually seen on cabbage, broccoli, or cauliflower plants.

### Caterpillars feeding

One or more caterpillars are seen feeding. If possible, record the name of the species or substance being eaten or describe it in the comments field.

### Dead caterpillars

One or more dead caterpillars are seen, including those found on roads.

### Dead adults

One or more dead adults are seen, including those found on roads.

## Method

### Individuals at a feeding station

One or more individuals are seen visiting a feeder, feeding station, or food placed by a person.

### Individuals in a net

One or more individuals are seen caught in a net.