

# Trees and shrubs

Broadleaf evergreen (with pollen)

## Breaking leaf buds

One or more breaking leaf buds are visible on the plant. A leaf bud is considered "breaking" once a green leaf tip is visible at the end of the bud, but before the first leaf from the bud has unfolded to expose the leaf stalk (petiole) or leaf base.

How many buds are breaking? Less than 3 (<3); 3 to 10 (3-10); More than 10 (>10)

## Young leaves

One or more young unfolded leaves are visible on the plant. A leaf is considered "young" and "unfolded" once the leaf stalk (petiole) or leaf base is visible, but before the leaf has reached full size or turned the darker green color of mature leaves on the plant. The leaf may need to be bent backwards to see whether the leaf stalk or leaf base is visible.

How many young leaves are present? Less than 3 (<3); 3 to 10 (3-10); More than 10 (>10)

## Flowers

One or more fresh flowers or flower heads (inflorescences) are visible on the plant. Flower heads include many small flowers that usually do not open all at once. Do not include wilted or dried flowers that remain on the plant, or heads whose flowers have all wilted or dried.

How many fresh flowers or flower heads are present? Less than 3 (<3); 3 to 10 (3-10); More than 10 (>10)

## Open flowers

One or more open fresh flowers are visible on the plant. Flowers are considered "open" when the reproductive parts (male stamens or female pistils) are visible between unfolded or open flower parts. Do not include wilted or dried flowers that remain on the plant.

How many fresh flowers are open? Less than 3 (<3); 3 to 10 (3-10); More than 10 (>10); Peak flower (P): The plant has a large number of flowers and one half (50%) or more are open and still fresh.

## Pollen release

One or more flowers on the plant release pollen when gently shaken or blown.

How many flowers release pollen? Less than 3 (<3); 3 to 10 (3-10); More than 10 (>10); Peak pollen (P): The plant has a large number of flowers and one half (50%) or more release pollen.

## Fruits

One or more fresh fruits are visible on the plant.

How many fresh fruits are present? Less than 3 (<3); 3 to 10 (3-10); More than 10 (>10)

## Ripe fruits

One or more ripe fruits are visible on the plant.

How many fruits are ripe? Less than 3 (<3); 3 to 10 (3-10); More than 10 (>10)

## Recent fruit drop

One or more fresh mature fruits or seeds have dropped or been removed from the plant since your last visit. Do not include obviously immature fruits that have dropped before ripening, such as in a heavy rain or wind.

How many mature fruits have dropped? Less than 3 (<3); 3 to 10 (3-10); More than 10 (>10)

Please see the species profile page for complete information about the phenophases for each species.

# Plant Phenophase Datasheet

**Directions:** Fill in the date in the top row 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 (see left-hand column for details).



**Species:** \_\_\_\_\_

**Plant Nickname:** \_\_\_\_\_

**Site:** \_\_\_\_\_

**Year:** \_\_\_\_\_

**Observer:** \_\_\_\_\_

Do you see...?	Date:	Date:	Date:	Date:	Date:
Breaking leaf buds	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Young leaves	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Flowers	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Open flowers	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Pollen Release	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Fruits	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Ripe fruits	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Recent fruit drop	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"/>

**Comments:**

Do you see...?	Date:	Date:	Date:	Date:	Date:
Breaking leaf buds	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Young leaves	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Flowers	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Open flowers	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Pollen Release	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Fruits	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Ripe fruits	y n ? _____	y n ? _____	y n ? _____	y n ? _____	y n ? _____
Recent fruit drop	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"/>

**Comments:**