

## **Invasive Plant Phenology**

In the second full week of each month, volunteers around the state observe and report invasive plant phenophases. Their observations are compiled here, creating both a timely resource for best management options and a historic record of plant behavior. This project aspires to include observations from every county, so observers are still needed in multiple places. If you would like to be involved in this effort please contact [kathy.decker@vermont.gov](mailto:kathy.decker@vermont.gov).

Below are the various plants and phenological phases observed in 8 different counties. Observations from individuals within counties were combined. The month of May has seen most of our invasive plants experiencing bud break and leaf development. Flower buds and flower heads were also seen on garlic mustard, barberry, honeysuckle and wild chervil. These were observed primarily in Bennington, Chittenden and Washington counties.

### **Observations taken week of May 14 – 20, 2024**

| County     | Garlic mustard<br>( <i>Alliaria petiolata</i> )  | Knotweed<br>( <i>Fallopia/Reynoutria</i><br><i>spp</i> )                                  | Purple<br>Loosestrife<br>( <i>Lythrum</i><br><i>salicaria</i> ) | Wild Parsnip<br>( <i>Pastinaca sativa</i> )                               | Autumn Olive<br>( <i>Elaeagnus</i><br><i>umbellata</i> ) | Barberry ( <i>Berberis</i><br><i>thunbergii</i> )  | Bittersweet<br>( <i>Celastrus</i><br><i>orbiculatus</i> ) | Buckthorn, Common<br>( <i>Rhamnus</i><br><i>cathartica</i> ) | Buckthorn, Glossy<br>( <i>Frangula alnus</i> ) | Burning Bush<br>( <i>Euonimus alatus</i> )                                | Honeysuckle<br>( <i>Lonicera sp.</i> )  | Multiflora Rose<br>( <i>Rosa multiflora</i> )                             | Goutweed<br>( <i>Aegopodium</i><br><i>podagraria</i> ) | Wild Chervil<br>( <i>Anthriscus</i><br><i>sylvestris</i> ) |
|------------|--|---|---|---|--|--|---|--|--|---|---|---|--|--|
| Addison    | Flower Buds/Flower<br>Heads, Open Flowers  | Initial Growth, Leaves,<br>Increasing Leaf Size   | Initial Growth  | Leaves, Increasing<br>Leaf Size   | Not Observed   | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size, Flower<br>Buds/Flower Heads                     | Not Observed  | Leaves, Increasing<br>Leaf Size                              | Not Observed                                   | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size, Flower<br>Buds/Flower Heads                  | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size | Not Observed   | Not Observed   |
| Bennington | Initial Growth, Breaking<br>leaf buds, Leaves,<br>Increasing Leaf Size,<br>Flower Buds/Flower<br>Heads, Open Flowers,<br>Fruit | Not Observed  | Not Observed  | Not Observed  | Not Observed   | Not Observed   | Not Observed  | Not Observed   | Not Observed                                   | Not Observed  | Not Observed  | Not Observed  | Not Observed   | Not Observed   |
| Caledonia  | Leaves, Increasing<br>Leaf Size, Flower<br>Buds/Flower Heads,<br>Open Flowers  | Leaves, Increasing<br>Leaf Size   | Not Observed  | Leaves, Increasing<br>Leaf Size   | Not Observed   | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>leaf size, flower<br>buds                                  | Leaves  | Breaking leaf buds,<br>Leaves, increasing<br>leaf size       | Breaking leaf buds,<br>leaves                  | Breaking leaf buds,<br>leaves   | Leaves, Increasing<br>Leaf Size   | Not Observed  | Goutweed leaves<br>and increasing<br>leave size.       | Leaves   |
| Chittenden | Initial Growth, Breaking<br>leaf buds, Leaves,<br>Increasing Leaf Size,<br>Flower Buds/Flower<br>Heads, Open Flowers,<br>Fruit | Initial Growth  | Not Observed  | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size | Not Observed   | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size, Flower<br>Buds/Flower<br>Heads, Open<br>Flowers | Leaves  | Breaking leaf buds,<br>Leaves, increasing<br>leaf size       | Leaves, Increasing<br>Leaf Size                | Leaves, Increasing<br>Leaf Size   | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size, Flower<br>Buds/Flower Heads,<br>Open Flowers | Initial Growth,<br>Breaking leaf buds,<br>Leaves                          | Not Observed   | Not Observed   |
| Essex      | Not Observed   | Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size                                    | Not Observed  | Not Observed  | Not Observed   | Not Observed   | Not Observed  | Not Observed   | Not Observed                                   | Not Observed  | Leaves, Flower<br>Buds/Flower Heads   | Not Observed  | Not Observed   | Not Observed   |
| Orange     | Open Flowers   | Leaves, Increasing<br>Leaf Size   | Not Observed  | Not Observed  | Flower<br>Buds/Flower<br>Heads, Open<br>Flowers          | Open Flowers   | Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size    | Breaking leaf buds,<br>Leaves, increasing<br>Leaf Size       | Not Observed                                   | Leaves, Increasing<br>Leaf Size   | Leaves, Increasing<br>Leaf Size, Flower<br>Buds/Flower Heads  | Leaves, Increasing<br>Leaf Size   | Not Observed   | Wild Chervil-<br>leaves, flower<br>buds, open<br>flowers   |
| Orleans    | Not Observed   | Leaves, Increasing<br>Leaf Size   | Not Observed  | Not Observed  | Not Observed   | Not Observed   | Not Observed  | Not Observed   | Not Observed                                   | Not Observed  | Leaves, Increasing<br>Leaf Size   | Not Observed  | Goutweed -<br>leaves, increasing<br>leaf size          | Not Observed   |
| Washington | Initial Growth, Breaking<br>leaf buds, Leaves,<br>Increasing Leaf Size,<br>Flower Buds/Flower<br>Heads, Open Flowers           | Initial Growth, Breaking<br>leaf buds, Leaves,<br>Increasing Leaf Size,<br>Colored Leaves | Not Observed  | Not Observed  | Not Observed   | Not Observed   | Not Observed  | Not Observed   | Not Observed                                   | Not Observed  | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size, Flower<br>Buds/Flower Heads                  | Initial Growth,<br>Breaking leaf buds,<br>Leaves, Increasing<br>Leaf Size | Not Observed   | leaves, flower<br>buds, open<br>flowers                    |