

Project BudBurst

A National Phenology Network Field Campaign for Citizen Scientists

Interested in collecting data on the timing of leafing and flowering of native plants and trees? Project BudBurst is a national field campaign that will target native tree and flower species as a way of compiling valuable environmental and climate change information around the United States.

Join a Wild Ones Project BudBurst Team!

Select species from those listed on the sheets. It's best to select plants that you will be able to observe easily over the next few years, because that will provide consistent data.

Put your name, phone number, and email address in a space next to plants you want to observe. We'll let you know who the other team members are so you can share alerts, reminders, or notes on the species you observe.

Use a postcard to record data for each species you observe.

Enter data at: http://www.windows.ucar.edu/citizen_science/budburst/

What to observe and record for _____
(Species name)

WHEN DID YOU OBSERVE THE FOLLOWING:

BudBurst/First Leaf Month: Day: 2008
Full Leaf Month: Day: 2008
First Flower Month: Day: 2008
Full Flower Month: Day: 2008
End Flower Month: Day: 2008
Seed or Fruit Dispersal Month: Day: 2008

Additional Comments

What to observe and record for _____
(Species name)

WHEN DID YOU OBSERVE THE FOLLOWING:

BudBurst/First Leaf Month: Day: 2008
Full Leaf Month: Day: 2008
First Flower Month: Day: 2008
Full Flower Month: Day: 2008
End Flower Month: Day: 2008
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First Flower Month: Day: 2008
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End Flower Month: Day: 2008
Seed or Fruit Dispersal Month: Day: 2008

Additional Comments

The goal of Project BudBurst is to have people to observe the first day of the appropriate phenological event (described below) for the species you observe.

Budburst/First Leaf: The date at which the first leaves are completely unfolded from the bud.

Full Leaf: The date when at least 95% of the growing leaf buds are completely unfolded.

First Flower: The date at which the first flowers are completely open.

Full Flower: The date when 50% of the flowers are fully opened.

End Flower: The date when at least 95% of the flowers have withered, dried up, or died.

Seed or Fruit Dispersal: The date when the first fruits or seeds drop naturally from the plant.

See the Project Budburst website

http://www.windows.ucar.edu/citizen_science/budburst/participate_phenophases.php for more details

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Native Flowers

<i>Plant name</i>	<u><i>Your name, phone, email address</i></u>	<u><i>Your name, phone, email address</i></u>	<u><i>Your name, phone, email address</i></u>	<u><i>Your name, phone, email address</i></u>
American pasque-flower <i>Pulsatilla patens</i>				
Common yarrow <i>Achillea millefolium</i>				
Eastern red columbine <i>Aquilegia canadensis</i>				
Jack in the pulpit <i>Arisaema triphyllum</i>				
Lanceleaf springbeauty <i>Claytonia lanceolata</i>				
Large flowered trillium <i>Trillium grandiflorum</i>				
Mayapple <i>Podophyllum peltatum</i>				
Spiderwort <i>Tradescatia ohiensis</i>				
Trout lily <i>Erythronium americanum</i>				
Virginia bluebells <i>Mertensia virginica</i>				
Woods strawberry <i>Fragaria virginiana</i>				

Native Trees/Shrubs

<i>Plant name</i>	<u><i>Your name, phone, email address</i></u>	<u><i>Your name, phone, email address</i></u>	<u><i>Your name, phone, email address</i></u>	<u><i>Your name, phone, email address</i></u>
American linden, Basswood <i>Tilia americana</i>				
Aspen <i>Populus tremuloides</i>				
Common elderberry <i>Sambucus nigra</i>				
Boxelder <i>Acer negundo</i>				
Chokecherry <i>Prunus virginiana</i>				
Eastern serviceberry, juneberry <i>Amelanchier canadensis</i>				
Eastern white pine <i>Pinus strobus</i>				
Paper birch <i>Betula papyrifera</i>				
Red maple <i>Acer rubrum</i>				
Red osier dogwood <i>Cornus sericea</i>				
Woods rose <i>Rosa woodsii</i>				

Common Ornamentals/Weeds

<u>Plant name</u>	<u>Your name, phone, email address</u>	<u>Your name, phone, email address</u>	<u>Your name, phone, email address</u>	<u>Your name, phone, email address</u>
Common dandelion <i>Taraxacum officinale</i>				
Field mustard, turnip <i>Brassica rapa</i>				
Lilac <i>Syringa vulgaris</i>				
White clover <i>Trifolium repens</i>				

USA-National Phrenology Network Calibration Species

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Aspen <i>Populus tremuloides</i>				
Alfalfa <i>Medicago sativa</i>				
Apple <i>Malus pumila</i>				
Big bluestem <i>Andropogon gerardii</i>				
Blue grama <i>Bouteloua gracilis</i>				
Canada thistle <i>Cirsium arvense</i>				
Chokecherry <i>Prunus virginiana</i>				
Common dandelion <i>Taraxacum officinale</i>				
Forsythia <i>Forsythia x intermedia</i>				
Ragweed spp <i>Ambrosia artemisiifolia/psilostachya</i>				
Red maple <i>Acer rubrum</i>				
Spotted knapweed <i>Centaurea stoebe (syn C. maculoba)</i>				
Switchgrass <i>Panicum virgatum</i>				
Woods strawberry <i>Fragaria virginiana</i>				