



GLOBE

Phenological Gardens

Data Sheets

Print the Phenological Gardens Data Sheet:

- [Phenological Gardens Spring Data Sheet](#) (2 pages)
- [Phenological Gardens Autumn Data Sheet](#)

Or select an alternative data sheet option below:

- [Phenological Gardens: New Site Definition](#)
 - Print this data sheet when you establish your garden.
- [Phenological Gardens Spring: One Day](#)
 - Use this data sheet for a single day of data collection. This could be useful when working with young researchers.
- [Phenological Gardens Autumn: Simplified](#)
 - Use this data sheet when working with those new to GLOBE and collecting data.

GLOBE Spring Phenological Gardens Data Sheet (page 1)

Name: _____ Site Name: _____

Phenological Gardens: Flowering Stage

Record the dates for the following flowering stages:

- **BF** = Beginning of Flowering (flowers have opened completely in three places)
- **GF** = General Flowering (more than 50% of flowers are open)
- **EF** = End of Flowering (about 95% of flowers have died or fallen)

Plant	BF	GF	EF
Witch Hazel (Jelena)			
Witch Hazel (Genuine)			
Lilac			
Mock-Orange			
Forsythia			
Heather (Allegro)			
Heather (Long White)			
Snow Drop*			

Phenological Gardens: Leaf Stage

For lilac and forsythia, record the dates for the following leaf growth stages.

- **LU** = Beginning of Leaf Unfurling (leaves visible in three places, the first leaf has pushed out of the bud up to its leaf stalk)
- **FL** = Full Leaves (about 95% of leaves are unfolded)

Plant	LU	FL
Lilac		
Forsythia		

GLOBE Spring Phenological Gardens Data Sheet (page 2)

Name: _____ Site Name: _____

Phenological Gardens: Further Details

If plants were fertilized, watered, or pruned fill out this section:

Fertilizer type: _____ Date of application: _____

Dates plants were watered: _____

Dates plants were pruned: _____

Comments:

GLOBE Autumn Phenological Gardens Data Sheet

Name: _____ Site Name: _____

Date: _____ Time (local): _____

Phenological Gardens Measurements

Plant	Height (cm)	Health of Shrub (H = Healthy, U = Unhealthy, D= Dead)
Witch Hazel (Jelena)		
Witch Hazel (Genuine)		
Lilac		
Mock-Orange		
Forsythia		
Heather (Allegro)		
Heather (Long White)		
Snow Drop	NA	

If plants were fertilized, watered, or pruned fill out this section:

Fertilizer type: _____ Date of application: _____

Dates plants were watered: _____

Dates plants were pruned: _____

Comments:

GLOBE Phenological Gardens Site Definition Data Sheet

Name: _____ Site Name: _____

Phenological Gardens: Site Definition

Plant	Date Planted
Witch Hazel (Jelena)	
Witch Hazel (Genuine)	
Lilac	
Mock-Orange	
Forsythia	
Heather (Allegro)	
Heather (Long White)	
Snow Drop*	

Soil Texture:

- Unknown Sandy Clay Sandy Clay Loam Sandy Loam Silty Clay
 Silty Clay Loam Silt Loam Loamy Sand Sand
 Silt Clay Clay Loam Loam Organic

pH:

pH method: paper meter pH: _____

Comments:

GLOBE Spring Phenological Gardens Data Sheet: One Day

Name: _____

Site Name: _____

Date: _____ Time (local): _____

Phenological Gardens Measurements

Plant	Flower Stage	Flowers:
Witch Hazel (Jelena)	<input type="checkbox"/> BF <input type="checkbox"/> GF <input type="checkbox"/> EF <input type="checkbox"/> No flowers	<p>BF = Beginning of Flowering ➤ flowers have opened completely in three places</p> <p>GF = General Flowering ➤ more than 50% of flowers are open</p> <p>EF = End of Flowering ➤ 95% of flowers have died or fallen</p> <p style="text-align: center;">Leaves:</p> <p>LU = Leaf Unfurling ➤ leaves visible in three places, first leaf is completely out of the bud</p> <p>FL = Full Leaves ➤ 95% of leaves are unfolded</p>
Witch Hazel (Genuine)	<input type="checkbox"/> BF <input type="checkbox"/> GF <input type="checkbox"/> EF <input type="checkbox"/> No flowers	
Mock-Orange	<input type="checkbox"/> BF <input type="checkbox"/> GF <input type="checkbox"/> EF <input type="checkbox"/> No flowers	
Heather (Allegro)	<input type="checkbox"/> BF <input type="checkbox"/> GF <input type="checkbox"/> EF <input type="checkbox"/> No flowers	
Heather (Long White)	<input type="checkbox"/> BF <input type="checkbox"/> GF <input type="checkbox"/> EF <input type="checkbox"/> No flowers	
Snow Drop	<input type="checkbox"/> BF <input type="checkbox"/> GF <input type="checkbox"/> EF <input type="checkbox"/> No flowers	
	Flower Stage	
Lilac	<input type="checkbox"/> BF <input type="checkbox"/> GF <input type="checkbox"/> EF <input type="checkbox"/> No flowers	<input type="checkbox"/> LU <input type="checkbox"/> FL
Forsythia	<input type="checkbox"/> BF <input type="checkbox"/> GF <input type="checkbox"/> EF <input type="checkbox"/> No flowers	<input type="checkbox"/> LU <input type="checkbox"/> FL

Notes:

GLOBE Autumn Phenological Gardens Data Sheet: Simplified

Name: _____

Site Name: _____

Date: _____ Time (local): _____

Phenological Gardens Measurements

Plant	Height (cm)	Health of Shrub
Witch Hazel (Jelena)		<input type="checkbox"/> Healthy <input type="checkbox"/> Dead <input type="checkbox"/> Unhealthy
Witch Hazel (Genuine)		<input type="checkbox"/> Healthy <input type="checkbox"/> Dead <input type="checkbox"/> Unhealthy
Lilac		<input type="checkbox"/> Healthy <input type="checkbox"/> Dead <input type="checkbox"/> Unhealthy
Mock-Orange		<input type="checkbox"/> Healthy <input type="checkbox"/> Dead <input type="checkbox"/> Unhealthy
Forsythia		<input type="checkbox"/> Healthy <input type="checkbox"/> Dead <input type="checkbox"/> Unhealthy
Heather (Allegro)		<input type="checkbox"/> Healthy <input type="checkbox"/> Dead <input type="checkbox"/> Unhealthy
Heather (Long White)		<input type="checkbox"/> Healthy <input type="checkbox"/> Dead <input type="checkbox"/> Unhealthy
Snow Drop	Do not measure	<input type="checkbox"/> Healthy <input type="checkbox"/> Dead <input type="checkbox"/> Unhealthy

Notes: