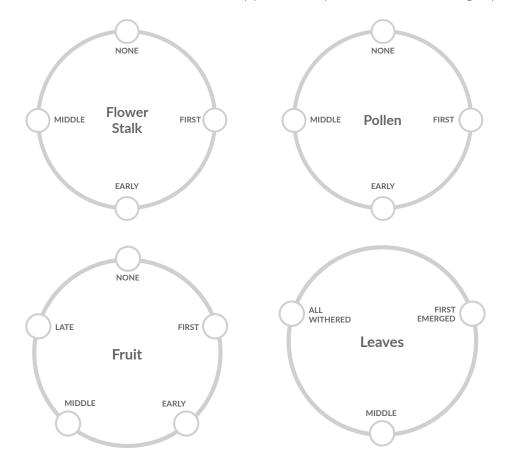
bud <b>burst</b> a project of the Chicago Botanic Garden	PHENOLO	<b>GY OBSERVATIONS</b> GRASSES
When did you observe?		ake your observation? R latitude/longitude.
Date		
Which plant did you observe?	Address	
Common Name or Scientific Name	City, State/Province, Postal code	
<b>Plant Nickname</b> e.g. Backyard Lily. This helps you make another observation	Latitude	Longitude

What is your plant doing? Check the most applicable option for **each** category below.

on this plant in the future.



# bud**burst**

### PHENOPHASE DEFINITIONS GRASSES

a project of the Chicago Botanic Garden

FIRST

FIRST

## Flower Stalk

None - No flower stalks have emerged.

First - First flower stalk is emerging from the stem of the grass and you can see the first flower cluster (spikelet) rising above the leaves of the stem.
Early - Only a few flower stalks have emerged (less than 5%).
Middle - Many flower stalks have emerged.

#### <u>Pollen</u>

None - No pollen is falling.

**First** - Plant starts releasing the powdery yellow pollen when touched. When open, grass flowers will release yellow pollen dust when touched.

Early - Some pollen is falling (less than 5%).

Middle - Half or more of the grass flowers are open and releasing pollen.

#### <u>Fruit</u>

None - No ripe fruits or seeds visible.

**First** - First fruits becoming fully ripe or seeds dropping naturally from the plant. For grasses, fruits are fully ripe when the seed is hard when squeezed and is difficult to divide with a fingernail.

Early - Only a few ripe fruits or seeds are visible (less than 5%).

Middle - Half or more of the fruits or seeds are fully ripe.

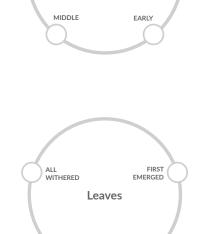
Late - Most fruits or seeds have been dispersed from plant (over 95%).

#### <u>Leaves</u>

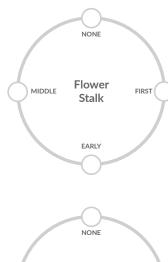
**First Emerged** - First leaf has emerged. The leaf shape should be clearly visible above ground.

**Middle** - Most or all of the leaves that developed this season are green and healthy or green at their base. Note that cool-season grasses often die back during dry or hot periods, but are still green at the base of the leaves so are in the "middle" stage.

All Withered - Most or all of the leaves that developed this season have lost green color or are dried and dead. Note that cool-season grasses often die back during dry or hot periods, but are still green at the base of the leaves so have not yet reached the "all leaves withered" stage.



MIDDLE



Pollen

EARLY

NONE

Fruit

LATE