



Wisconsin Fast Plants™

Seed Stock Profile

Standard Improved Basic

The Standard Stock represents the standard form and performance for Wisconsin Fast Plants™. Plants have been selected to have a uniform, short flowering time (14 days) under ideal growing conditions of continuous light, water, and nutrition. The entire life cycle is short; under ideal growing conditions, plants will produce harvestable seeds approximately 40 days after planting.

Standard Stock may be used to compare with other stocks, or to investigate a variety of topics in plant biology, such as:

- Life cycles
- Growth and development
- Morphology and physiology
- Ecology/environmental studies
- Genetics and inheritance

Although Standard Stock is relatively homogeneous for flowering time and overall appearance, many other traits show a range of variation that can be quantified, including hairiness, stem color, and plant height.



Growing Tips

24-hour fluorescent light, water, and fertilizer are essential for Wisconsin Fast Plants™. Refer to *Growing Instructions* for more details.

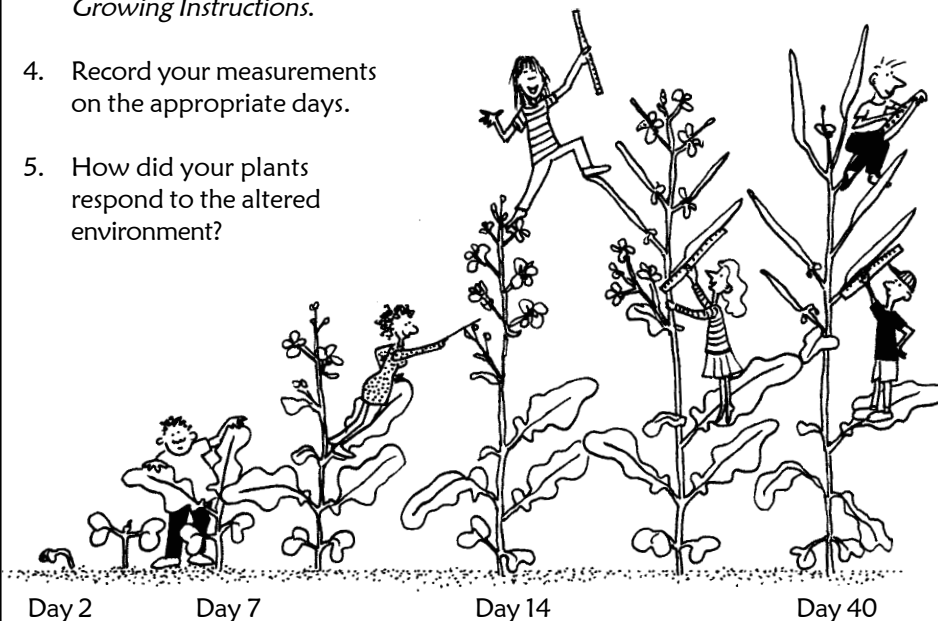
Length of life cycle: 35-45 days
Days to flowering: 14
Average plant height at day 14: 15 cm

Wisconsin Fast Plants™ and the Environment

Objective: Observe the effect of altered environmental conditions on Standard Stock Wisconsin Fast Plants™.

Procedure:

1. Determine what environmental condition you are going to alter. Remember to grow some plants under ideal conditions for comparison.
Ideas: nutrition (fertilizer), temperature, photoperiod (light), plant density, toxic substance or other substance (such as salt).
2. Predict how the plants will respond to the altered environment.
 - What plant response(s) do you plan to measure? *Ideas: plant height, emergence time, flowering time, or number/size of seeds produced.*
 - How old will the plants be when you take measurements?
3. Plant several seeds of Standard Wisconsin Fast Plants™, following the *Growing Instructions*.
4. Record your measurements on the appropriate days.
5. How did your plants respond to the altered environment?



Life Cycle of Standard Wisconsin Fast Plants™

CAROLINA®

Wisconsin Fast Plants™ Seed Stocks Available:
Standard • Purple Stem, Hairy • Non-Purple Stem, Hairless
Non-purple Stem, Yellow-Green Leaf • Yellow-Green Leaf • Petite
Rosette-Dwarf • Tall Plant • Variegated • F₁ and F₂ Genetic Stocks

To order Wisconsin Fast Plants™ materials and seeds:
Carolina Biological Supply Company, 2700 York Road, Burlington, NC 27215 1-800-334-5551
Ordering info: www.carolina.com/fastplants Activity ideas: www.fastplants.org