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?