

Petite/AstroPlants

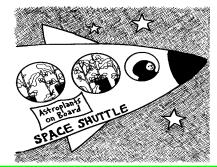
Single, recessive trait: dwf_1/dwf_1

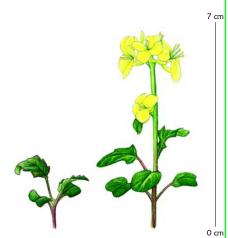
Petite plants are shorter than Standard Wisconsin Fast PlantsTM, and all parts of the plants are reduced in size, proportional to their height. Petite plants are a more intense, green color than Standard.

The Petite stock originated from a naturally occurring mutation. The phenotype is conditioned by a single, recessive gene (dwf_1) . In the homozygous, recessive condition, plants are Petite (dwf_1/dwf_1) .

Did you know that Wisconsin Fast PlantsTM have flown on seven Space Shuttle flights, and stayed at the Russian Space Station Mir twice?

The Petite stock has been used as the basis for developing other stocks, including AstroPlants, a stock used by NASA Space Shuttle experiments. AstroPlants were selected to meet NASA's "5-10-15" specifications: plants that produced 5 seed pods, grew no taller than 10 cm, and flowered in 15 days.





7-day-old plant Petite/AstroPlants (*dwf*,/*dwf*,) 14-day-old plant Petite/AstroPlants (*dwf₁/dwf₁*)

Growing Tips

- <u>24-hour fluorescent light, water, and</u> <u>fertilizer are essential</u> for Wisconsin Fast Plants[™]. Refer to *Growing Instructions* for more details.
- The petite size permits dense planting and accommodates transportation of plants. Great for limited class size or travel!
- Petite plants are more sensitive to adverse environmental conditions than Standard plants. Sow extra seeds per pot; 7 days later, remove all but one plant per pot.
- Prior experience with growing Standard Wisconsin Fast Plants[™] is useful for comparison with Petite/AstroPlants.

Length of life cycle: 35-45 days Days to flowering: 14 Average plant height at day 14: 6.6 cm

