

**Preparation:** Assemble light banks or light houses and quad bottle or deli container growing systems. Setup reservoirs. Saturate water mat according to growing instructions. Arrange planting materials. Write the date you start in the box for day 1 and the days of the week at the top of the calendar.

<p><b>Day 1</b> Plant the seeds according to the growing instructions. Set quads on water mat with top of quad 5-10 cm from the lights.</p>	<p><b>Day 2-3</b> Water from top with pipet. Seedlings emerge and seed leaves (cotyledons) open.</p>	<p><b>Day 4-5</b> Thin to 1 or 2 plant(s) per square inch. Transplant if necessary to obtain 1 plant per cell. Check the water level in reservoir!</p>	<p><b>Day 6-11</b> Check plants and reservoir water-level daily the rest of the life cycle—especially before weekends. Observe rapid growth and development.</p>
		<p><b>Day 12-13</b> Make beesticks. Flower buds beginning to open.</p>	<p><b>Day 14-17</b> Pollinate with beesticks or alternative for 2-3 consecutive days. On the last day of pollination, pinch off any unopened buds.</p>
		<p><b>Day 18-35</b> Observe seed pod development. Embryos developing inside seeds in seed pods mature in approximately 20 days.</p>	
<p><b>Day 36-39</b> Twenty days after the last pollination, remove plants from water. Allow plants to dry for 5-7 days.</p>		<p><b>Day 40</b> Harvest seeds from dry pods. Clean up all equipment. Plant your own seeds or store them appropriately.</p>	

\*Please note: Days to flowering will vary depending on environmental conditions in your classroom.