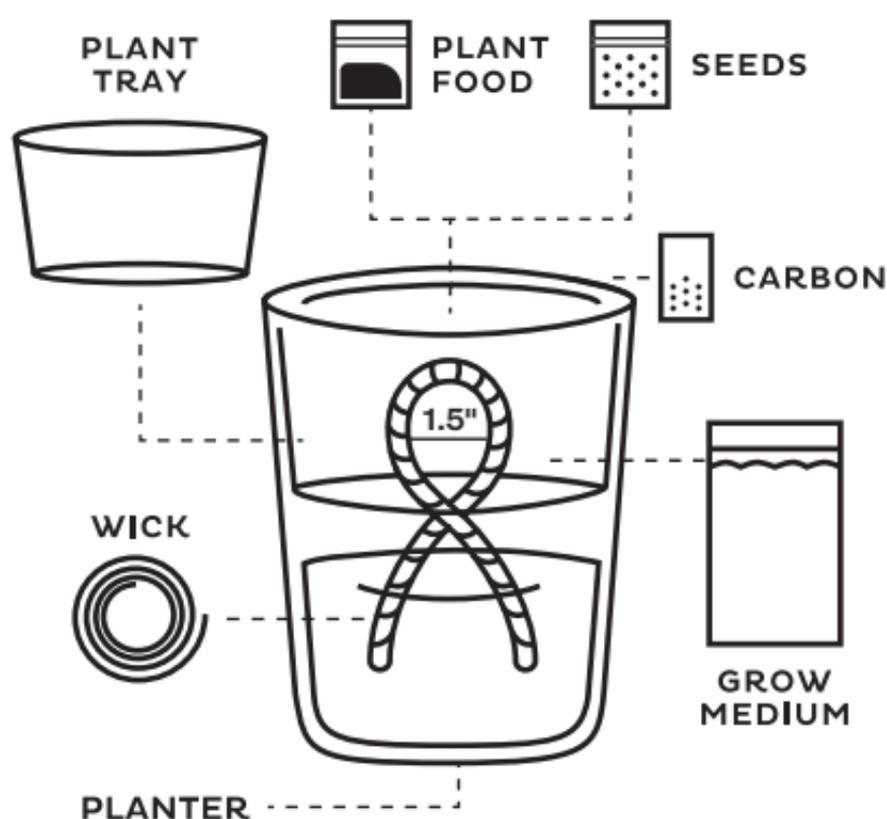


# White Spruce

## GROW KIT

### SELF-WATERING BAMBOO PLANTER



Consider the time of year and your region's climate before starting this kit. Spruce thrive in temps between 45°-75°F and with at least 6 hours of direct sunlight (an unobstructed south or west-facing window is best). Starting in Mar-Sept will provide longer days and thus optimal light. If starting during cooler months, consider supplementing with a grow light.

**Sprout Time: 10-20 days**

Spruce will slowly grow over the course of several years.

## Getting Started

1. Wash hands and remove all contents from planter.
2. Soak half of the seeds in a bowl of room temperature water for 24 hours.
3. Take plant tray and with a sharp knife, carefully cut a ½" X on the bottom center of tray.
4. Take wick, pinch center and thread through plant tray X.
5. Pull wick up so the wick ends measure around 2" and center loop measures 1 ½". Add grow medium through and around wick. Cover wick with grow medium if exposed.
6. Carefully drop plant tray into planter.
7. Pour ¼ cup water slowly into the plant tray, evenly around grow medium.
8. Pour carbon evenly over grow medium.
9. Sprinkle on half of the seeds and push them just below the surface of the grow medium. Save remaining seeds and plant if the first round doesn't successfully germinate.
10. Place planter in a warm and sunny window (68°-72°F).
11. Touch the surface of the grow

medium daily, and if it's not slightly damp, spray with a little water. Don't oversaturate.

12. Once sprouts develop, remove plant tray and pour out water.

13. Mix 1 cup water and 1/8 tsp of plant food and pour through plant tray, carefully around sprouts. Solution will collect in planter's reservoir.

Move planter to a warm and sunny window. Spruce trees like wet roots, so check often and refill as needed.

## Growing On

Some seeds may fail to germinate (this is nature). If sprouts don't appear in 2-3 weeks, the seeds may have been planted too deep, grow medium is too dry or wet, or temps are too low. In dry climates or during cooler months, consider creating a greenhouse effect by placing a plastic bag over the jar. Punch a few holes for ventilation. Remove the bag once sprouts are 3/4" tall.

Sunlight, temperature, ventilation and humidity will impact how the growing medium holds moisture. **Ideally, the coco should be medium brown in color.** Coco that is dark brown in color is too wet and can develop mold. To achieve an optimal moisture level, you may need to adjust the watering frequency and volume to compliment your environment. The carbon is included to prevent mold from developing – it conditions the grow medium and manages moisture.

If plant appears weak and spindly, there is either not enough light or temps are not in the optimal range. Try a different window or consider supplementing with a grow light. During the outdoor growing season you can place the planter outside temporarily to jump start your sprouts (just be sure to bring the planter indoors if it rains).

## Transplanting

This bamboo planter is designed to grow a small white spruce tree; however, in certain regions you can transplant it into the ground to grow into a full size tree. To learn if your region is conducive to growing Spruce trees, please contact the Master Gardening extension office in your state.

Transplant outside into a location with partial to full sun after the threat of frost has passed, and tree sprouts are at least 6"-9" tall.

Harden off plant for 5-7 days by placing it outdoors in partial sun during the day, and bringing it indoors at night. Cut off plastic tray prior to transplanting.

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