

Wildling Recovery Chamber

MATERIALS:

1. 2 bamboo slats (4 cm x 1 m each)
2. 7 bamboo slats (4 cm x 4 m each)
3. 5 bamboo slats (4 cm x 2.5 m each)
4. 2 sheets 1.25 m x 6 m transparent plastic cover (gauge 8)
5. 1 roll abaca twine or any locally available material
6. 1 roll packaging tape

1. Designate a partially shaded area, with approximately 50% light infiltration, in the nursery for the recovery chamber.

2. Construct a rectangle that is 1 m wide by 4 m long using the bamboo slats.

3. Place the soil-filled polybags inside the rectangle. It can accommodate about 1,225 (4"x6") soil-filled polybags. The wildlings, after the leaves and roots have been trimmed, should then be potted into the polybags and adequately watered.

4. Starting at one of the corners along the length of the rectangle, peg one 2.5 m long bamboo slat into the ground every 1 m interval. Curve each bamboo slat and push both ends into the ground to form a dome, making 5 bamboo domes along the 4 meter length.



5. To strengthen the structure, overlay the remaining five 4 m long bamboo slats on top of the domes such that the slats are equally spaced, and tie them in place with the abaca twine.



6. Prepare the transparent plastic that will be used to cover the chamber.

a. Lay the 2 sheets of plastic acetate on the ground side by side;

b. Join the plastic sheets lengthwise using the packaging tape, making sure that the sheets are securely fastened together.



7. Dig a shallow canal (at least 20 cm wide by 10 cm depth) along the sides of the chamber, but gather the displaced soil on the outer edge of the canal. This is to facilitate sealing of the plastic cover with the displaced soil.



8. Carefully place the transparent plastic over the chamber, making sure that the whole chamber will be covered and the sides of the plastic will lay on the canal. Replace the soil into the canal, burying the sides of the plastic, to finally seal the chamber.

Firmly set the soil around the edges of the chamber to make sure that the plastic is securely in place. Also check that the plastic cover does not have any holes on it so that the humidity and temperature inside the chamber will stabilize.

