

# Planting Your Coastal Roots Seeds.



## Materials needed:

- planting media
- water
- large tub or container
- seeds to plant
- permanent markers
- tray labels

## Procedure

### Filling the seed trays.

1. Empty several bags of planting media into large tub and break apart any clumps.
2. Fill yellow cones all the way to the top.
3. Place cones into slots in tray. (Do not shove yellow cones down into trays too hard.)
4. Sprinkle lightly with water to settle media. (Do not drench).



The Ray Leach Single Cell Cone-tainer System consists of individual cells that can be rearranged within each tray.

### Planting your seeds.

1. Check with your teacher as to how many cells of each seed type you will need to plant.

Place the required number of seeds in each of the cones according to the chart below.

Seed type	Seeds per cell	Planting depth
baldcypress, hackberry, loblolly pine, longleaf pine	2-3 seeds per cell	1/2"
waxmyrtle, red mulberry	3 seeds per cell	1/4"
black mangrove	1 seed per cell	Surface (see diagram)
nuttall oak, live oak	1 seed per cell	1"

2. Cover the seeds lightly with planting media (except black mangrove).
3. Label each tray with seed type and date planted.
4. Place cypress and wax myrtle seeds in greenhouse or cold frame. Place black mangrove seeds in water troughs inside the greenhouse or cold frame. Water should reach about 4 inches below the top of the tray.



Mangrove seeds are planted with the pointed end facing up.

### Maintaining your seedlings.

1. **Seed trays should be misted daily and at least once on the weekends. Nothing kills seedlings more quickly than lack of water. Nothing enables seedlings to grow to larger sizes and more quickly than regular watering.**
2. Record in your nursery log when each of your seed types begins to germinate. Notify Dr. Blanchard when seeds begin to sprout.
3. Be vigilant regarding any problems with your nursery or plants. Record in your nursery log the date and a description of the problem. If you spot a problem, notify Coastal Roots staff as soon as possible.