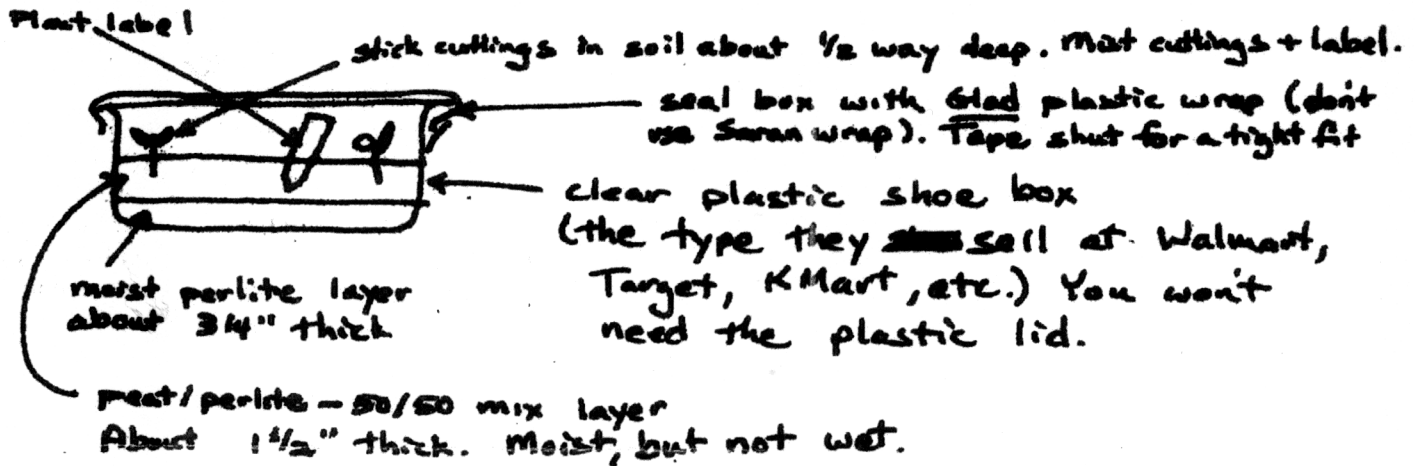


ESTABLISHMENT OF TISSUE CULTURE PLANTS -

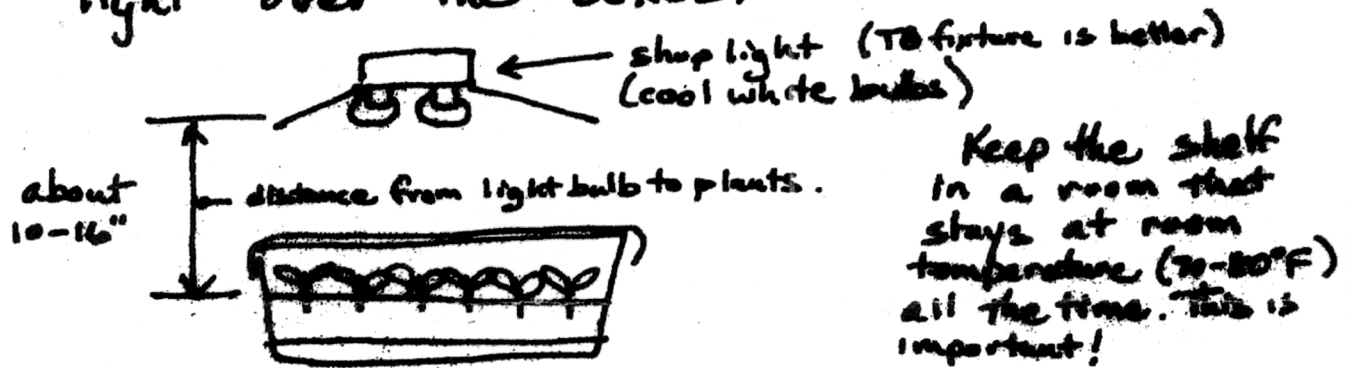
SEVERAL GROWERS HAVE BEEN USING THIS SYSTEM WITH GOOD SUCCESS.

- ① TISSUE CULTURE PLANTS ROOTED OR UNROOTED, ARE STUCK INTO SOIL BOXES.



- ② You should be able to get 150-400 cuttings stuck into 1 shoe box. If the soil is wet, you'll need to drain off the water. It's important that the boxes are moist, but not full of water.

- ③ The boxes - when filled with cuttings and sealed with clear plastic wrap, are then placed on a shelf with a shop light over the boxes.



The lights can be hooked up to a timer, Give the plants 16 hours of light per day.

- ④ The plants will stay in the boxes until you see rooting and/or new shoot growth. To acclimate the plants to lower humidity, just poke holes in the plastic (a few more each day for 5-7 days).

- ⑤ The plants can then be moved to the greenhouse and transplanted to pots or plug trays. You'll need to shade them for a few days. It's nearly 10 times brighter light in the greenhouse than under the shop lights.

⑥ Problems?

- Botrytis (grey mold) - occurs if temperatures fluctuate in the room that the boxes are kept. If it occurs use Medallion fungicide.
- Plants looked wilted - cuttings need to be misted when being stuck in boxes (a hand pump spray bottle works well).
- also be sure that the plastic wrap is secure to the box side wall.
- Plants look stressed
 - is the soil mix too dry or too wet?
 - the mix shouldn't contain fertilizer
 - are the lights too close or too far from the cuttings in the boxes
 - is it too warm or too cold in the room where the plants are kept?

⑦ This method has worked really well for many growers that I have worked with. They like it because it doesn't require a lot of work and attention & it doesn't tie up greenhouse space.