

Diagnosis from plant symptoms.

Things to look for and possible causes.

1/. Leaves on the plant looks dull, no sheen.

- a. Check Oxygen level in nutrient.
- b. Check environment, humidity/temp/air flows.
- c. Have mineral leaf analysis done, and check for deficiencies.
- d. Check Silicon levels in nutrient supply.

2/. Root tips are black, or roots are brown and mushy.

- A. Check Oxygen level in nutrient.
- B. Check nutrient pH is in the correct range, recalibrate pH meter.
- C. Check nutrient strength, clean and recalibrate the meter.
- D. Check all water supplied to the system is clean and pure, no diseases present or sediment from rivers or streams. If water pre-treatment is used, check it's working correctly.
- E. Check seedlings planted into the system are root disease free.
- F. Check nutrient temperature is not too cold for the plants.
- G. Check makeup water is not too cold, and chilling the roots.
- H. If system is to be flushed out, ensure water is not too cold.