

Topic 05 –Water & Nutrition

Reading:

- 1) Hoefnagles Chap. 23
- 2) The relevant chapter on water in your lab manual.

I. Essential Nutrients

- A. Macronutrients & Micronutrients
- B. Uptake By Roots
- C. Uptake By Shoots

II. Water

- A. Water Potential
- B. Water Relations of the Cell
- C. Turgor
- D. Transpiration & Xylem Transport

III. Sugar

- A. Sources & Sinks
- B. Phloem-loading & Transport