

Plant Propagation Lab Exercise

Module 1



UF | UNIVERSITY of
FLORIDA



CHARACTERISTICS OF COMMON PROPAGATION SUBSTRATES

An introduction to plant propagation laboratory exercises by:
Kathryn Campbell, Brett Williams, and Dr. Mack Thetford



Plant Propagation Lab Exercise

Module 1

Evaluating the rooting of herbaceous and woody cuttings



An introduction to plant propagation laboratory exercises by:
Kathryn Campbell, Brett Williams, and Dr. Mack Thetford



MEASUREMENTS & DATA

- **CLEANING PROCEDURE**
- **DATA COLLECTION**
- **DATA CALCULATION**



CLEANING SUBSTRATE FROM ROOTS



COUNTING ROOTS

- Rooting Percentage
- Number of Roots
- Root length

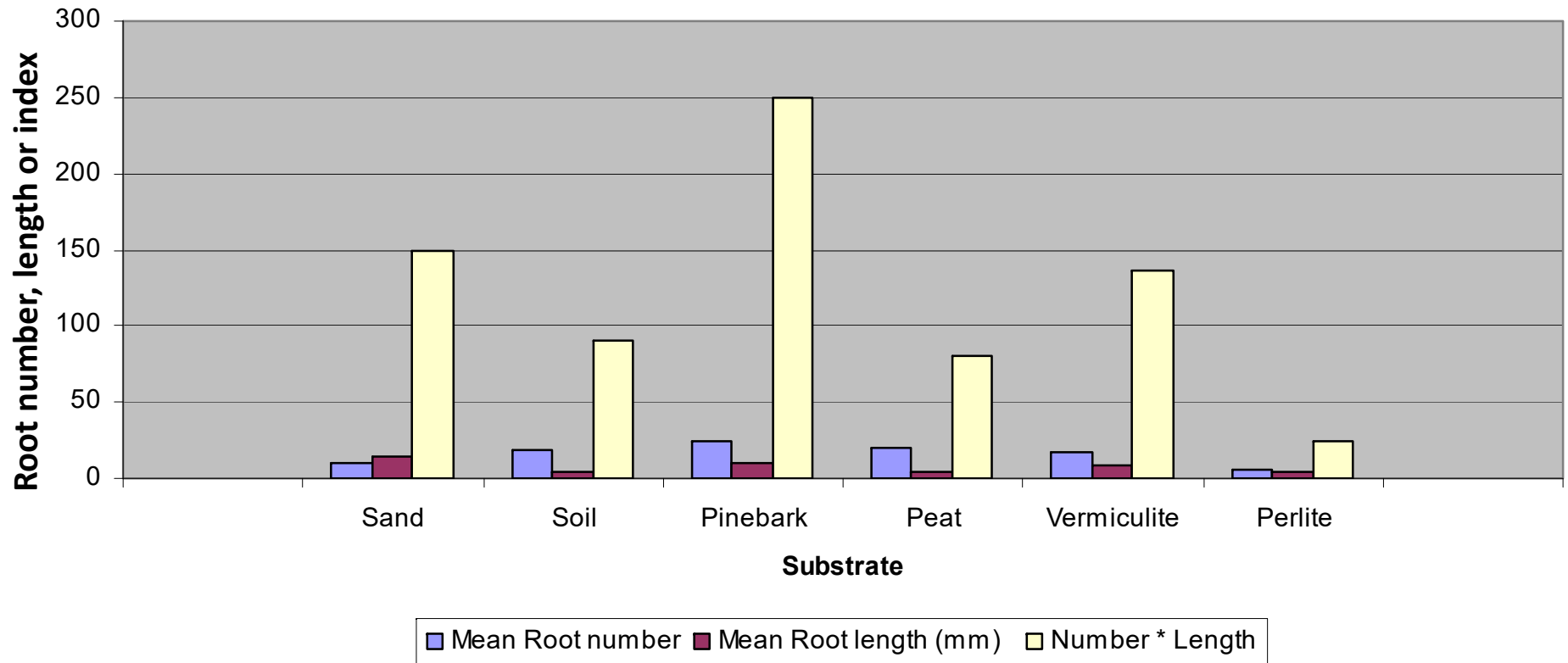


A few notes on data calculation

- Rooting percentage is based on the total number of cuttings stuck so you will divide the number of cuttings with roots by the number of cuttings stuck.
- Root number per cutting is based only on rooted cuttings. You would determine an average number of roots per rooted cutting.
- Root length (length per root or root length per cutting) should only be based on rooted cuttings. You would determine an average length per root per rooted cutting for each treatment.



Propagation of Coleus



Root index = root number X root length





Discussion of Results

