

## Single plant selection (SPS) shopping list:

### Seminal root angle screen (*Richard et al., 2015*)

- Clear pot 4 L ([ANOVApot®](#), 200 mm top diameter, 190 mm height)
- 4 L black pots ([ANOVApot®](#), 200 mm diameter, 190 mm height)
- Tags
- Marker pen
- Pine bark potting media (70% composted pine bark 0-5 mm, 30% coconut peat, pH 6.35, EC = 650 ppm, nitrate = 0, ammonium < 6 ppm and phosphorus = 50 ppm)
- Camera/phone ([ImageJ](#) software to analyse seminal root angle images)
- Tweezers



Clear pot 4 L

### Semi-hydroponic sand-based system

- 1.4 L ANOVA pot ([ANOVApot®](#), 137 mm diameter, 140 mm height)
- Tags
- Marker pen
- Hydroponic solution:



1.4 L ANOVA pot



Nutrients details: Total Nitrogen (N) 20.0 %, As Amide (5.0%), As Nitrate (9.0%), As Ammonium (6.0%), Total Phosphorus (P) 8%, Total Potassium (K) 18%, Calcium (Ca) 7.3%, Magnesium (Mg) 2.4% , Sulfur (S) 0.9%, (Fr) as EDTA 0.22%, (Mn) as EDTA 0.16%, (Zn) as Amino Acid 0.05%, (Cu) as Amino Acid 0.006%, \*(Mo) as Molybdenum 0.009%, \*(B) as Boric Acid 0.06%, (Co) as Amino Acid 0.005%, (Si) as Silicic Acid 2.2%, PK88 as, Colloidal Minerals 2.2%. \* Present as inorganic form, Dry weight %w/w.

We used the brand [Cultiplex Extra Nutrex Grow 5L](#)

- Coarse washed sand (particle size ranging 0.075-4.75 mm)
- Capillary mat (3mm thick to put inside the container, [ProFab® Non Woven](#) ([globalsynthetics.com.au](http://globalsynthetics.com.au)))
- Containers (65 cm length and 35 cm width with a capacity of 36 L)
- Watering can (9L)
- Disposable transfer pipette pasteur or small container to measure hydroponic solution

