

Online Extras

Aeroponic Technology Versus Premium Organic Soil Cultivation Part V: The Habanero Chile

by Lee McCall

Maximum Yield – USA Edition, April 2009

Test Specimen: Capsicum Chinese Jacquin AKA Habanero Chile

Dominant Variable: Aeroponic Technology Versus Premium Organic Soil Cultivation

Week 16

- Between the aeroponic and soil specimens, seven gallons of nutrient rich solution is absorbed every other day.
- Structural support in the form of bamboo stakes are used to hold up the top-heavy canopies.
- Initial fruits from the soil are harvested and unimpressive.

Week 17

- Aeroponic plants are too heavy for the bamboo stakes and lean out of their planting sites.
- System is flushed to avoid pythium production.
- Flowers and pre-fruits are blooming all over.
- Signs of over-fertilization are present but plants have acclimatized nicely.
- Soil plants are bigger in overall individual mass than the aeroponic ones.

Week 18

- Two-600 watt lights are added to the space.
- Heat extraction in the form of an exhaust fan is added.

Week 19

- One pound of fresh, organic fruit is collected from the first true yield by hand.
- Aeroponic chamber continues to thrive.

Conclusion

On the soil side, the tissue structure and durability in the foliage was more resilient than aeroponic side. Overall yield is 25 per cent more abundant. As well, the soil specimens were less fragile than the aeroponic side.

