



Hi Robert,

With reference to the kiko trials we are conducting at Murdoch campus, as a hydroponic grower for the last twenty odd years I thought I had come across most growing techniques concerning new methods of growing in hydroponics. Well I am more than pleased to say that I have been very excited with the results in the trials at Murdoch. The most exciting result for me was when you asked me not to dump the water solution after we had been growing in the sealed tanks for six weeks. Normally we dump the water so as to avoid potential buildup of unused nutrients and a drop in the pH which effects the plants growth. My reaction was to withhold adding any food for a period of four weeks and allow the water solution to become diluted as we would only add water and this would lower the EC level and help to alleviate large pH fluctuations.

I kept on checking the pH and EC with my hydroponic students and the results were amazing not only did the pH and EC stay stable in the Kiko charged tanks but growth continued during the four weeks . In the control tanks the pH fluctuated from pH 6 up to pH 7.2 and the EC levels also ranged from EC of 1.2 down to EC 0.8 and the colour of the capsicums and celery became a lighter green with a slowing of the growth rate. The pH in the Kiko tanks remained at a steady 7.1 with very little fluctuation as did the EC which remained at 1.2. The other interesting factor was that in the Kiko tanks the EC has remained steady at the 1.2 level throughout the trials even when I have tried to increase the levels closer to a 1.8 mark, the water solution seemed to level out at 1.2 to 1.4 EC as did the pH always staying around the 7.1 Mark.

My overall opinion is that the Kiko charged water will allow me to grow hydroponic crops using a substantial drop in food solution due the very stable pH levels; this will be a big saving for me and any other grower who uses the Kiko technology.

On a more personal note I added some stones to the main water tank at my farm as you suggested this would help to lesson Gay's arthritis even though the result could take a while. What happened was also astounding as we always end up with smoky water during winter due to the slow combustion stove. When it rains the water picks up the smoke from the roof and taints the water. When it gets to bad we need to change tanks due to the taste, well not any more the Kiko effect has been to neutralize the smoky effect and the water does not have a tainted taste. So another very positive affect due to the Kiko technology.

So Robert overall I am convinced the Kiko technology works as you assured me that it would,

Regards Peter Graham, 11-06-2014



Lecturer horticulture/hydroponics

NDH, NCH, N.Z BA. ARTS ED.