

A phasic report of the ongoing Microsoil application/demonstration trials in 2 cucumber plating greenhouses

1. Location: 宋杖子镇二十里堡村, lingyuan county, Liaoning province, China
2. Owners of the greenhouses: Zuli (朱丽)、zhang WenYou(张文友) Contact number: 13842185446
3. Demonstration period: 11/2013- 02/2014
4. Demonstration area: 134 m² in each greenhouse
5. Trial method:
 A 134m² area, which is close to the entrance door and is around ¼ of the whole greenhouse area, was used for comparative/demonstration trial. The routine fertilizer usage and management are all the same for whole greenhouse area, but additional Microsoil liquid fertilizer was added in the 134 m² demonstration area according to the instruction designed by AgriViva as bellow:

Greenhouse Size	Large - 7.5m x 100m
Total growing area in the greenhouse	5.5m x 100m = 550 m ²
Area for trial	134 m ² (1/4 of greenhouse size)
Growing season 6-7 months	Assume 7 months - 210 days (11/2013 – 02/2014 only in this trial)
Base fertiliser (organic compost) in trial area	? (Didn't give me data after my request)
Initial Microsoil application to base fertiliser compost	MICROSOIL SUPER RICH : 16ml
	MICROSOIL SUPER N : 16 ml
Additional fertilisers for trial area applied every 10 days	Apply once every 10 days to soil and or foliage as plant matures
	1. Previously planned fertilisers still the same
	2. MICROSOIL SUPER RICH : 8ml
	3. MICROSOIL SUPER N : 8ml
Additional foliage fertiliser for trial area applied every 30 days	4. MICROSOIL SUPER TRACE : 8ml
Pesticides	As planned

Some pictures (all photos show the growth is the same in whole area, no more discriptions)







6. Results: The cucumber production in this $\frac{1}{4}$ area is only half of the weight comparing with the other $\frac{3}{4}$ area previously (for many years), which is

further away from the entrance door. In this trial the cucumber weight (in an unit area) produced in the 2 greenhouses trial area are all the same as the other $\frac{3}{4}$ area (no detailed data given to me after request).

7. **Conclusion:** Previously the productivity in the area is much lower comparing with the rest area, because it is close to the entrance door and the temperature is always lower. After application of Microsoil the cucumber production keeps the same as that of the rest area, it means the press resistance/temperature variance resistance of the plants increased. The weight keeps the same means the production doubled comparing with previous years .