



Plant Bio Regulators (Pty) Ltd

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NONTOX-SILICA™ AND THE PRODUCTION OF CUCUMBERS

TRAIL SITE AND DESIGN

SUPPRESSION OF THE WHITE FLY

<i>Treatment</i>	Number of eggs	Number of nymphs	% Eggs survived	Eggs survived as % of control
<i>Control</i>	487	425	88	-
<i>Soil applied Si</i>	317	216	71	44
Foliar applied Si	223	144	64	30

PRODUCTION OF CUCUMBERS

ppm Si in nutrient solution	Root dry mass g per plant	Fruit dry mass g per plant	Mildew colonies per cm²
<i>Control</i>	5,60	8,00	13,00
9,33	5,00	14,20	2,80
46,7	5,40	26,10	0

Silica is not toxic and is present in our food and water.

PREPARATION OF THE STOCK SOLUTION

1. Dissolve 400g Nontox Silica^R in one litre water (or 4kg in 10 litres water)
2. Shake or stir until all material is dissolved.
3. Leave over night and then dilute as indicated above.

Nontox Silica^R is available as a powder and a ready to use stock solution

For technical enquiries contact John Pretorius 083-228 0258 or Hannes Coetzee 082-785 7595.