

BRITISH COLUMBIA BLUEBERRY GREENHOUSE TRIAL, 2001



RESEARCH COOPERATORS

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TRIAL OBJECTIVE

To determine the effects of Black Earth Dry Soluble and Liquid materials on growth and uptake of blueberry plants grown in problem soils under fertility regimes typical of field conditions. The soils utilized were identified as being high in salts and produced blueberry plants with severe chlorosis.

CERTIFICATIONS

Black Earth Humic products are:

- » Listed by OMRI
- » Registered with CFIA
- » Certified for use for NOP
- » Certified by the CDFA



EXPERIMENTAL – DESIGN

Crop: Blueberry

Variety: Patriot

Location: Ag Canada Summerland Greenhouses

Experimental Design: Two (2) soil main plot units with eight (8) replicates

Planting Details: Pot blueberry cuttings into same dry weight of each soils (2.5 kg) after treatments listed below

EXPERIMENTAL – TREATMENTS

1) Unmodified soil

2) 0.61 g 0-45-0/pot + 1.13 g ultra fine K_2SO_4 /pot

3) 50 ml of Black Earth Liquid 9% humic/pot

4) 50 ml of Black Earth Liquid 9% humic/pot + 0.61 g 0-45-0/pot + 1.13 g ultra fine K_2SO_4 /pot

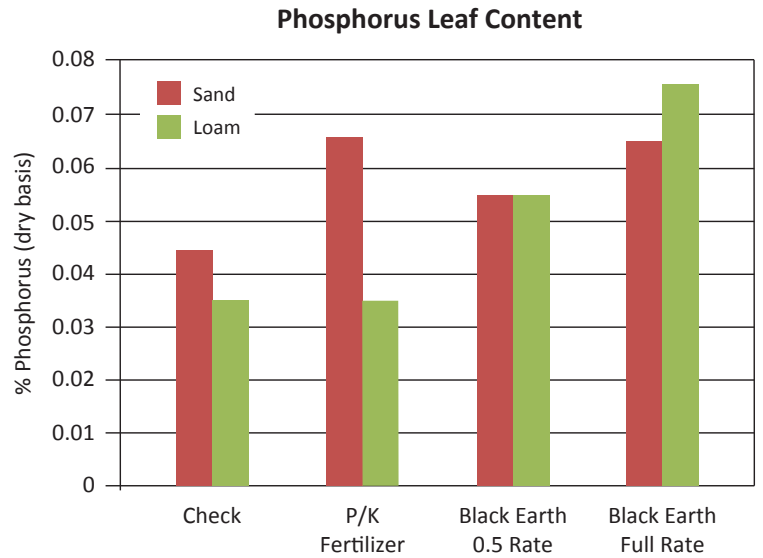
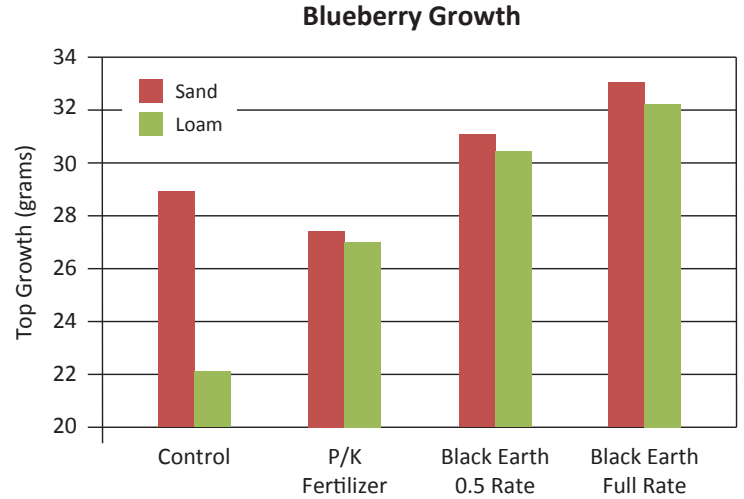
5) 2.65 g/pot of Black Earth Dry Soluble 80

6) 1.325 g/pot of Black Earth Dry Soluble 80

After transplanting, pots were fertigated with ammonium nitrate, once a week for eight (8) weeks for a total of approximately 48 kg N/ha.

RESULTS


The Black Earth was effective in increasing phosphorus uptake on a problem soil, which resulted in increased top growth.



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