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.

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 K₂SO₄/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 K₂SO₄/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.

CERTIFICATIONS

Black Earth Humic products are:
» Listed by OMRI
» Registered with CFIA
» Certified for use for NOP
» Certified by the CDFA

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RESULTS

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