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B. C. BLUEBERRIES

TITLE – British Columbia Blueberry Greenhouse Trial 2001

RESEARCH COOPERATOR – G. Neilson, B. Rabie, E. Hogue, D. Neilson, P. Bowen, Agriculture Canada, Summerland, B.C.

TRIAL OBJECTIVE – To determine the effects of dry soluble and liquid **BLACK EARTH** 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	2 soil main plot units with 8 replicates
Planting details	Pot blueberry cuttings into same dry weight of each soils (2.5 kg) after treatments listed below

TREATMENTS –

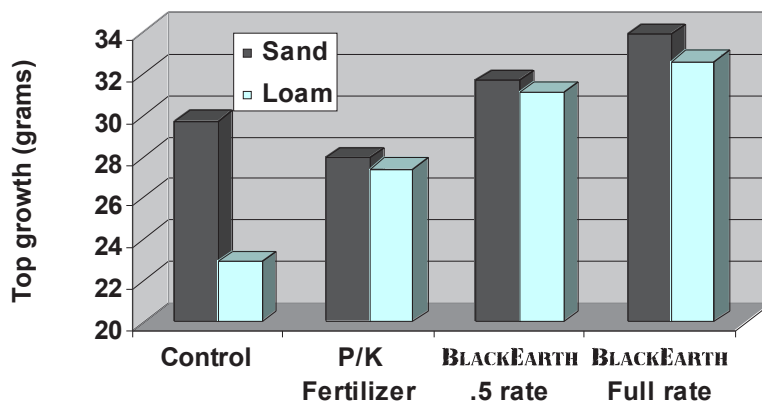
1	Unmodified soil
2	0.61 g 0-45-0/pot + 1.13 g Ultra fine K ₂ SO ₄ /pot
3	50 ml of BLACK EARTH Liquid 9% humic/pot
4	50 ml of BLACK EARTH Liquid 9% humic/pot + 0.61 g 0-45-0/pot + 1.13 g Ultra fine K ₂ SO ₄ /pot
5	2.65 g/pot of BLACK EARTH Dry Soluble 80
6	1.325 g/pot of BLACK EARTH Dry Soluble 80

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

RESULTS AND DISCUSSIONS –

The **BLACK EARTH** was effective in increasing phosphorus uptake on a problem soil, which resulted in increased top growth.

Blueberry Growth



RESULTS AND DISCUSSIONS –

