



## PEI - POTATOES

TITLE – 2000 Potato Trial, Prince Edward Island, Canada

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TRIAL PROTOCOL – To determine the effect of BlackEarth Liquid (9000S) on the increasing rates of phosphorus and the yield of potatoes.

Crop	Potatoes
Variety	Russet Burbank
Location	Charlottetown, PEI
Crop emergence	June 26, 2000
Nutrient Application Rate	N – 180 kg N/ha K – 200 kg. K <sub>2</sub> O/ha Mg – 10 kg Mg/ha
Fertilizer placement	8 cm to the side and 5 cm below seed piece
Crop kill date	October 4, 2000
Harvest date	October 23, 2000

### SPRING SOIL PARAMETERS –

Soil Test Values (ppm)

P	K	Ca	Mg	S	Na	pH	OM (%)
246.0 Medium+	112.8 Medium	690.7 Low	104.6 Medium	32.5 High+	35.8	5.88	3.22

TREATMENTS – Treatments were 3 X 3 factorial combinations of P rates and humic material with six replications. **BLACK EARTH** Liquid was dribbled beside the seed piece in the open row and then covered.

<b>BLACK EARTH</b>	<b>BLACK EARTH</b> Rate	P <sub>2</sub> O <sub>5</sub> rate (kg/ha)
Liquid	5 L/acre	0
		100
		200
None	-	0
	-	100
	-	200

**BLACK EARTH**  
 HUMIC LP

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 Edmonton, Alberta,  
 Canada T5L 3C1

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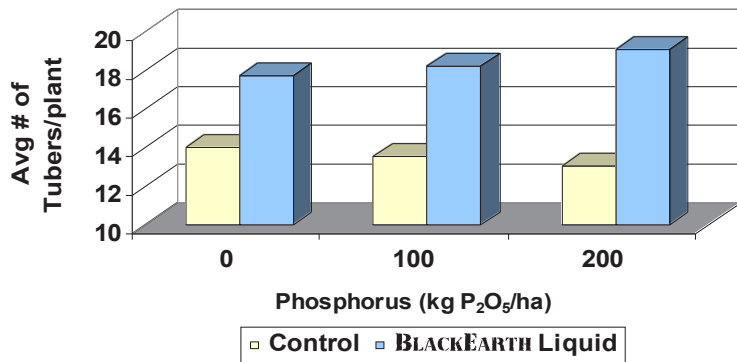
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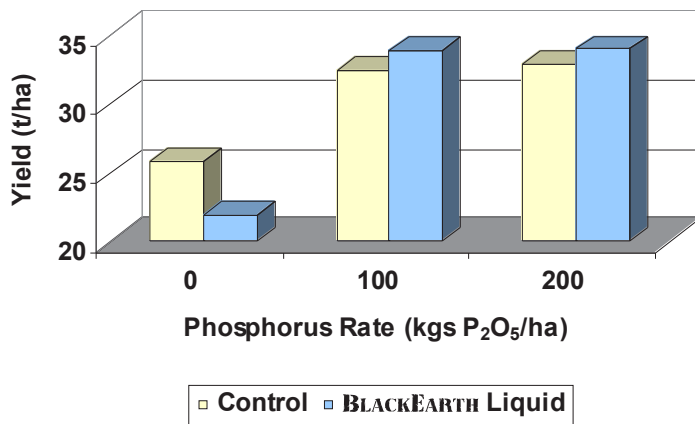
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# of Tubers per Plant



Total Yield



RESULTS AND DISCUSSIONS –

**BLACK EARTH** Liquid increased the number of tubers per plant. **BLACK EARTH** Liquid also increased total yield when applied in combination with phosphorus.