

SOIL AMENDMENT TRIAL

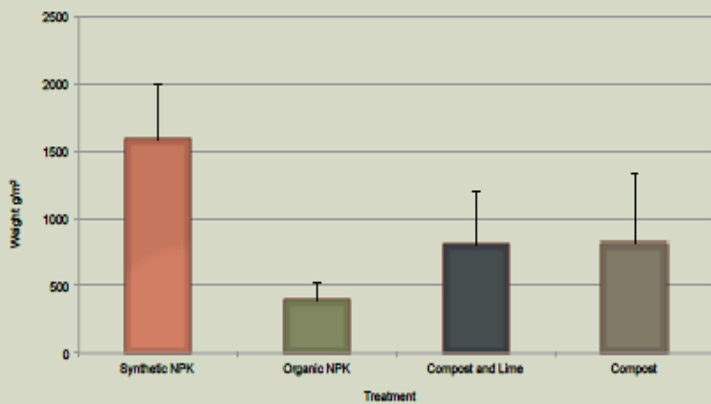
Evaluating
Whitehorse
City Compost



2010



2010 BEET RESULTS

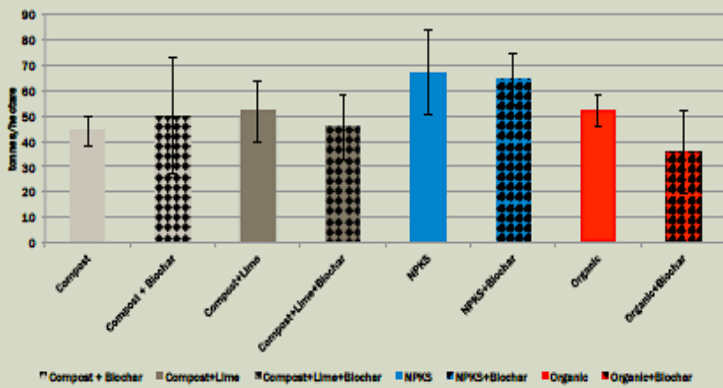


2011

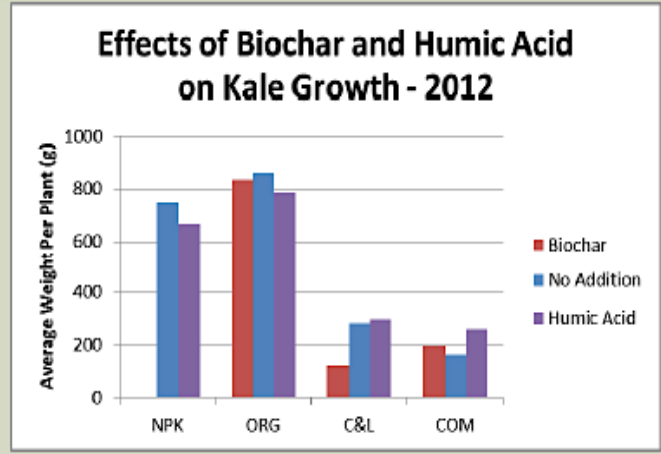


2012

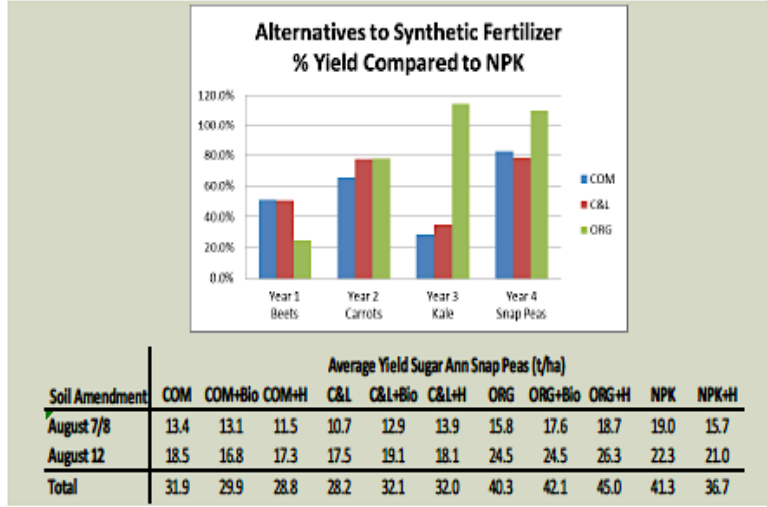
Average Yield Topped carrot (Tonnes/Ha)



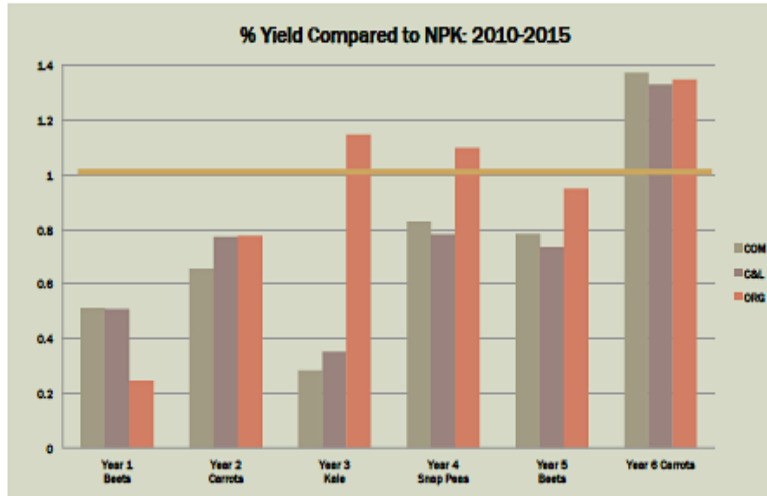
HUMIC ACID?



2013



2014 & 2015



NEW ORGANIC TRIAL

| Amendment | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------------------|---|---|---|--|---|------------|
| Synthetic Fertilizer (NPK) | 100 Kg/ha N 20 Kg/ha P 50 Kg/ha K | 100 Kg/ha N 20 Kg/ha P 50 Kg/ha K | 100 Kg/ha N 20 Kg/ha P 50 Kg/ha K | 0 Kg/ha N 45 Kg/ha P 125 Kg/ha K | 100 Kg/ha N 20 Kg/ha P 50 Kg/ha K | 80 Kg/ha N |
| Organic Fertilizer (ORG) | 100 Kg/ha N 20 Kg/ha P 50 Kg/ha K | 100 Kg/ha N 20 Kg/ha P 50 Kg/ha K | 100 Kg/ha N 20 Kg/ha P 50 Kg/ha K | 0 Kg/ha N 45 Kg/ha P 125 Kg/ha K | 100 Kg/ha N 20 Kg/ha P 50 Kg/ha K | 80 Kg/ha N |
| Compost (COM) | 45 t/ha | 40 t/ha | 35 t/ha | 40 t/ha | 45 t/ha | 45 t/ha |
| Compost and Lime (C&L) | 45 t/ha + 6.7 t/ha lime | 40 t/ha | 35 t/ha | 40 t/ha | 45 t/ha | 45 t/ha |
| Biochar | 0 t/ha | 10 t/ha | 10 t/ha | 0 t/ha | 0 t/ha | 0 t/ha |
| Humic Acid | 0 t/ha | 0 t/ha | 0.44 t/ha | 0.44 t/ha | 0 t/ha | 0 t/ha |

Cost of Fertilizer per Hectare

Compost: \$1550/year

Compost & Lime: \$1550/year + one time \$6700/ha for lime

Synthetic NPK: \$420/year

Organic Fertilizer: \$2300/year



THANK YOU

