

ESN Trials in Thunder Bay

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Purpose

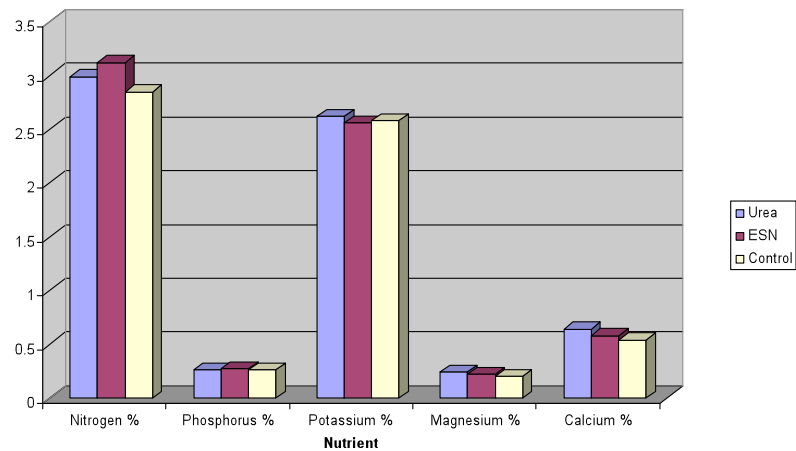
- Effectiveness of ESN fertilizer on three crops (silage corn, potatoes, barley)
- Two year trial (2008, 2009)

Methodology

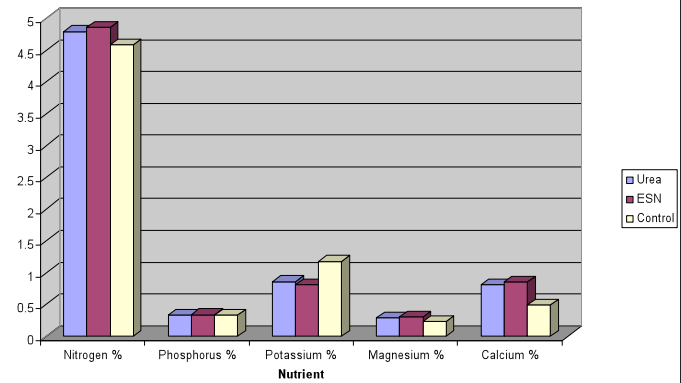
- Replace Urea with ESN
- Three treatments (ESN, Urea, Control)
- Four repetitions of each treatment

Results

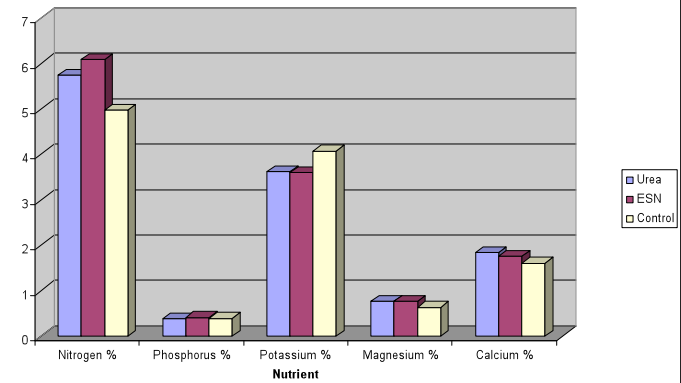
Corn Tissue Analysis Aug. 18th



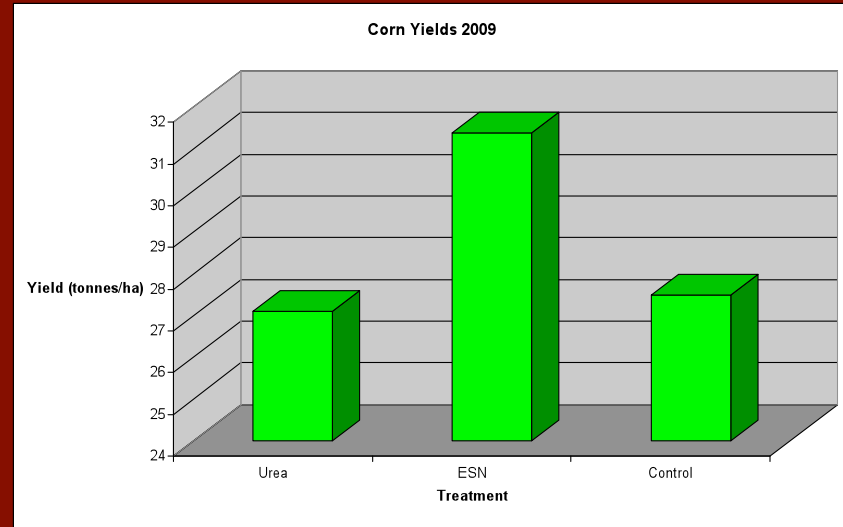
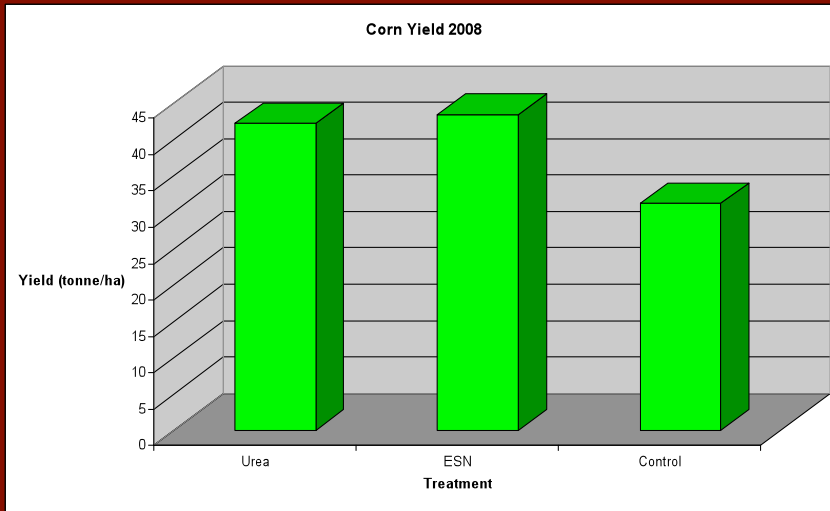
Barley Tissue Analysis



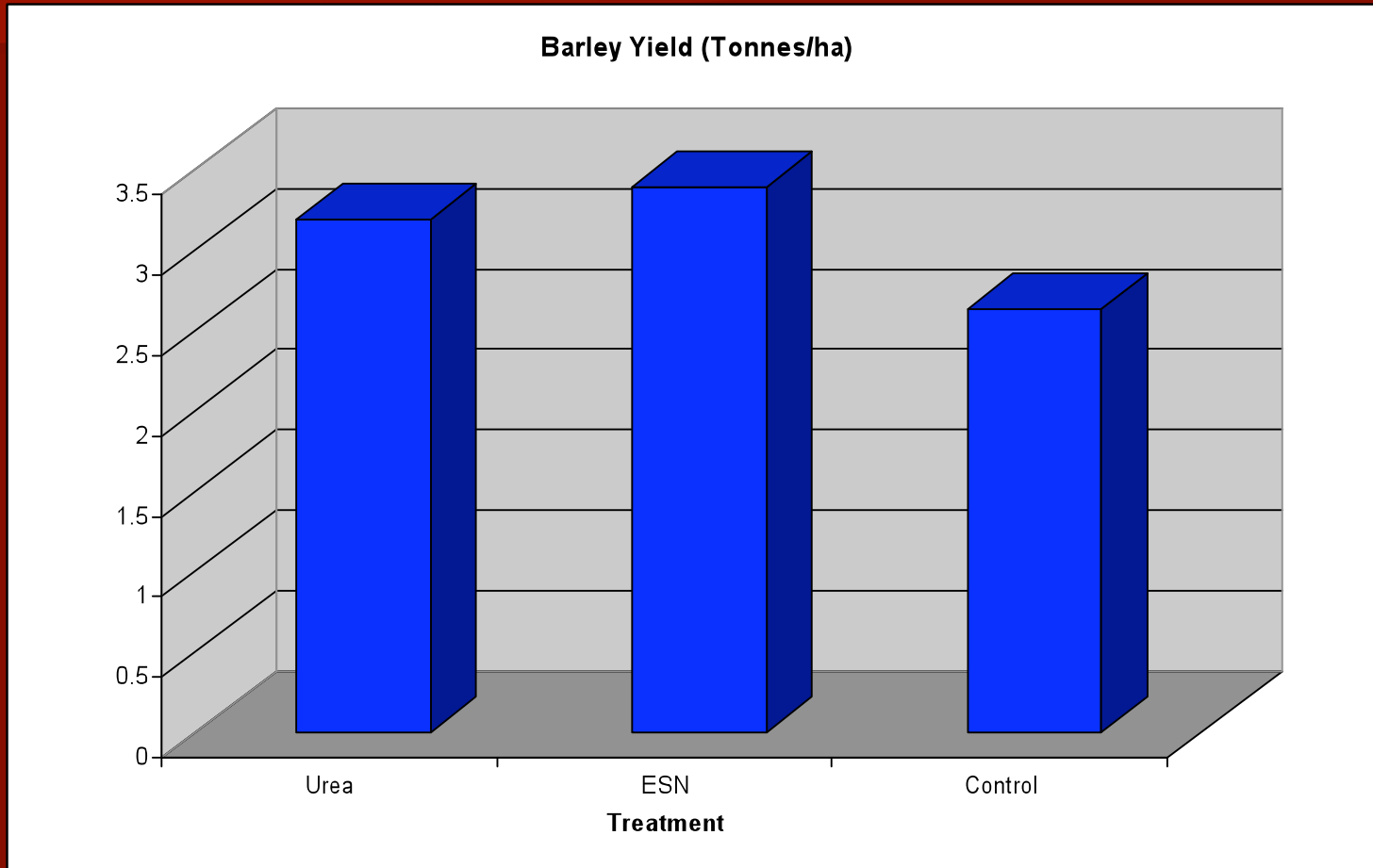
Potato Tissue Analysis



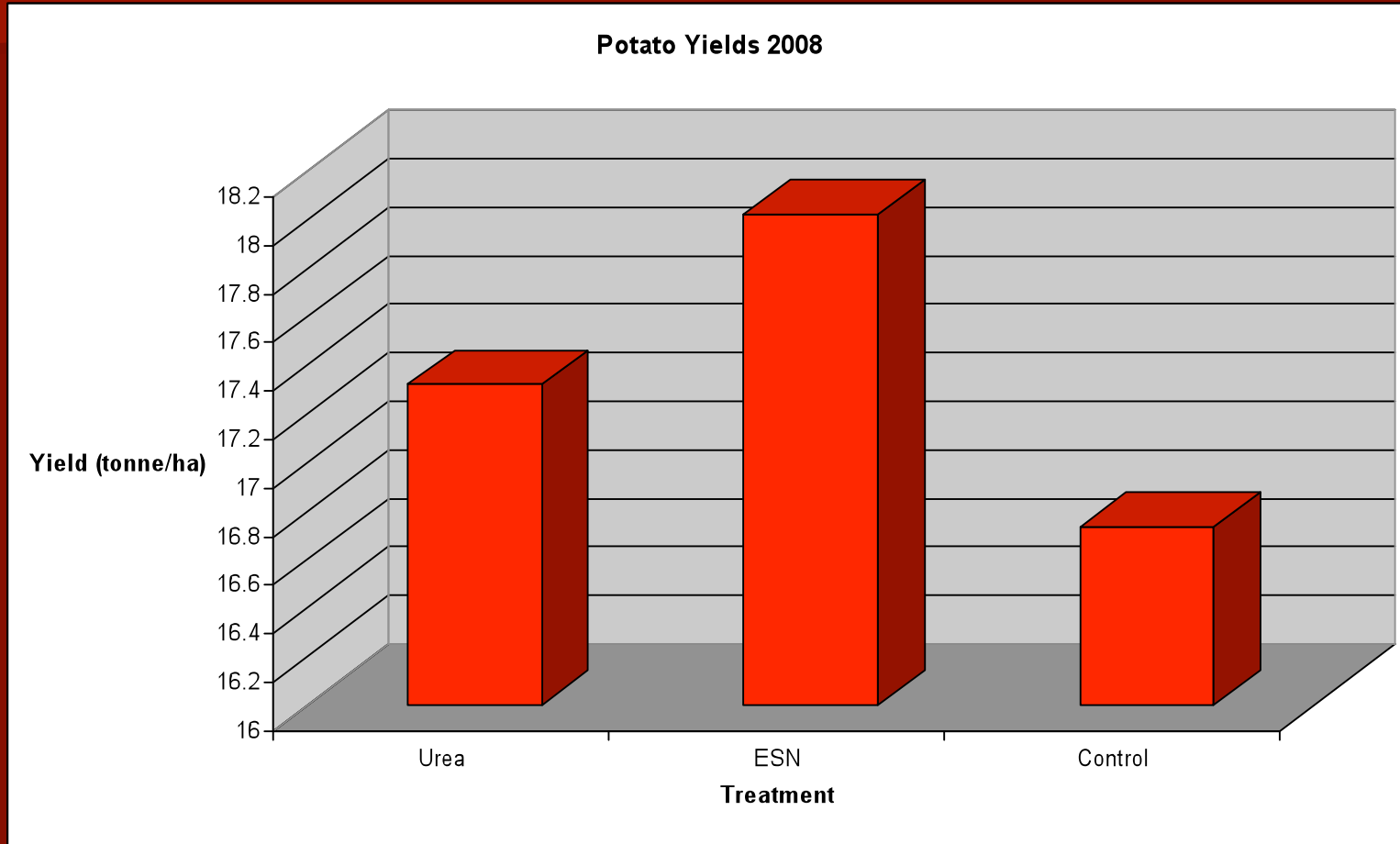
Results



Results

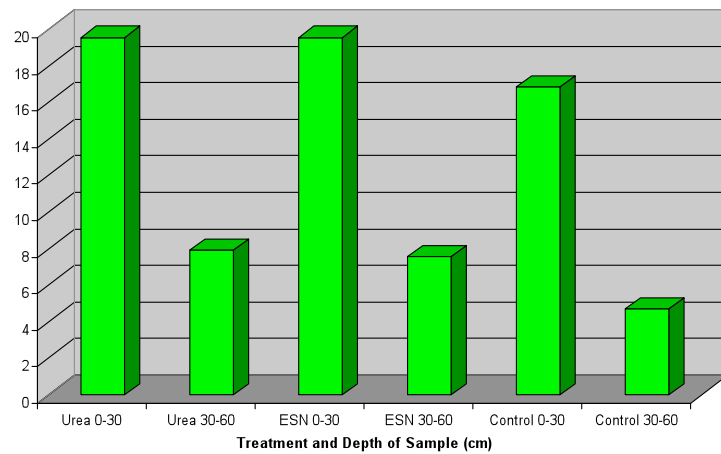


Results

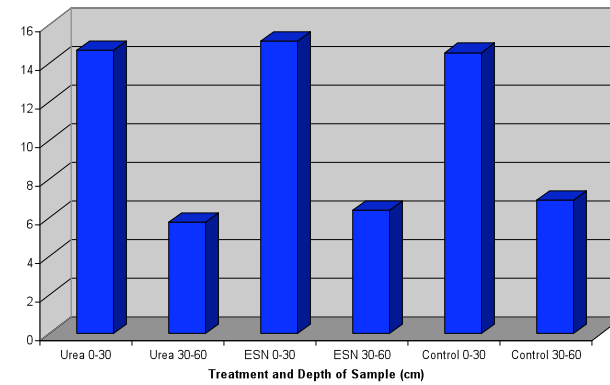


Results

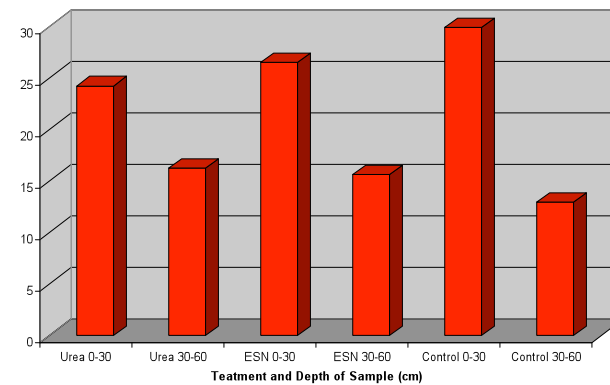
Corn Soil Nitrate Levels (Sept. 15th)



Barley Soil Nitrate Levels (Sept. 15th)



Potato Soil Nitrate Levels (Oct 29th)



Conclusion

- Two poor growing years
- No significant difference between treatments
- More data needed for barley and potato trials
- More repetition of treatments

Thanks to Our Co-operators

OSCIA – Northwest Grant

OMAFRA

University of Guelph

Breukelman's Potato Farm

Valley Centre Farms

Peter and Renjse Aalbers

Agri-Food Laboratories