

## Evaluation of Planting Depth in No-Till Barley

<b>Cooperators:</b>	Producer: Five L Farms Extension: Matt Lewis, VCE – Nor/Lan
<b>Variety:</b>	Price
<b>Soil Type:</b>	Craven Silt Loam and Matapeake Silt Loam
<b>Planted:</b>	October 27, 2004 – no-till into chopped corn stalks
<b>Equipment:</b>	Great Plains 30' No-Till Drill
<b>Row Width:</b>	7.5 inches
<b>Fertilization:</b>	1 ton lime, 120-0-0 total preplant+topdress
<b>Pesticides:</b>	Glyphosate burn-down
<b>Harvested:</b>	June 18, 2005

Depth	Replication	Moisture	Yield
1.5"	1	11.0	92.6
1"	1	10.4	103.2
2"	1	10.9	98.8
1.5"	2	10.6	98.8
1"	2	10.8	106.9
2"	2	10.8	101.0
1.5"	3	11.4	103.3
1"	3	11.0	95.6
2"	3	11.3	96.6
Avg 1"			101.9
Avg 1.5"			98.3
Avg 2"			98.8

### **Discussion:**

Seeding depth in no-till small grain can often affect yield. Extension agents often see problems when seeds are placed less than 1" deep. In this experiment, the intention was to plant seeds at 0.5", 1.5", and 2.5", but these intended depths were not achieved. The results of this experiment support that, at least on heavier soil types, a planting depth of 1" or deeper will not limit yields.