

**Table 3. Various chemical properties (soil test analysis) analyzed on soils collected in August 2004 from the Breckenridge Spent Lime Trial. Dr. Carol Windels, NWROC – U of Minnesota**

<b>Lime Rate</b>	<b>NO<sub>3</sub>-N</b>	<b>Olsen P</b>	<b>pH</b>	<b>EC</b>	<b>Ca</b>	<b>Mg</b>	<b>K</b>	<b>Na</b>
<b><u>Tons A<sup>-1</sup></u></b>	<b><u>ppm</u></b>	<b><u>ppm</u></b>		<b><u>dS m<sup>-1</sup></u></b>	<b><u>ppm</u></b>	<b><u>ppm</u></b>	<b><u>ppm</u></b>	<b><u>ppm</u></b>
<b>0 – 3 inch soil depth<sup>§</sup></b>								
0	13.1	17.8	7.22	0.47	2759	1117	446	44
5	19.6	25.7	7.47	0.82	4268	1148	446	43
10	18.9	27.4	7.47	0.82	4523	1204	446	45
15	20.6	35.3	7.56	0.84	5145	1336	446	48
20	23.0	36.1	7.58	0.85	4907	1318	446	46
<b>Single degree of freedom contrast of Spent lime Rates<sup>§§</sup></b>								
Linear	***	***	***	***	***	***	ns	**
Quadratic	ns	ns	**	***	***	ns	ns	ns
<b>3 –6 inch soil depth<sup>§</sup></b>								
0	5.1	9.2	6.59	0.32	2474	1405	402	76
5	6.2	9.2	6.69	0.39	2474	1405	402	76
10	6.0	9.2	6.65	0.42	2474	1405	402	76
15	6.5	9.2	6.77	0.46	2474	1405	402	76
20	6.9	9.2	6.72	0.44	2474	1405	402	76
<b>Single degree of freedom contrast of Spent lime Rates<sup>§§</sup></b>								
Linear	***	ns	*	**	ns	ns	ns	ns
Quadratic	ns	ns	ns	ns	ns	ns	ns	ns

<sup>§</sup> Where statistical analysis indicated no significant difference, the recorded value for each of the five spent lime rates are the average of the five rates.

<sup>§§</sup> ns, \*\*\*, \*\*, and \* indicate non-significance and significance at the 0.001, 0.01, and 0.05 level of probability, respectively.