**Table 2. Results of soil quality analyses for the 16 direct seed and conventional study locations in spring, 2013. Values are means across landscape positions and depths.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **GROWER** | **β-glucosidase** | **Dehydrogenase** | **pH** | **Electrical Conductivity** | **Cation Exchange Capacity** |
|  | ρ-nitrophenol g-1 soil hr-1 | µgTPF g-1 soil hour-1 | 1:1  water:soil | µs cm-3 | meq 100 g-1 |
| **Bailey** | 15.0 | 1.0 | 6.2 | 131.1 | 18.5 |
| **Cochran** | 14.9 | 1.3 | 6.1 | 91.2 | 20.6 |
| **Esser** | 18.1 | 1.3 | 5.5 | 99.6 | 14.1 |
| **Druffel (tilled)** | 13.2 | 1.7 | 5.5 | 138.4 | 24.8 |
| **Hutchens** | 19.8 | 1.3 | 5.3 | 189.6 | 17.3 |
| **Sorensen (tilled)** | 9.7 | 2.4 | 7.4 | 182.4 | 14.1 |
| **Jensen** | 16.1 | 0.8 | 5.5 | 115.6 | 21.8 |
| **Koch** | 13.5 | 1.1 | 6.4 | 103.4 | 9.0 |
| **Juris** | 13.6 | 1.4 | 5.9 | 146.3 | 12.3 |
| **Jirava (tilled)** | 12.3 | 2.5 | 7.3 | 161.0 | 13.0 |
| **Odberg** | 16.8 | 3.3 | 5.4 | 136.5 | 17.8 |
| **Schultheis** | 17.9 | 1.5 | 5.2 | 247.2 | 18.5 |
| **Sheffels** | 9.9 | 2.5 | 6.8 | 159.1 | 11.7 |
| **Stubbs** | 21.3 | 1.8 | 6.2 | 177.0 | 12.9 |
| **Thorn** | 16.4 | 2.2 | 5.4 | 127.2 | 16.0 |
| **Zenner** | 19.3 | 2.8 | 5.8 | 123.1 | 21.0 |