**Fertility Management Trial Results**

**Yield (bu/ac – hand yield check) and DON**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **50 lb N/ac** | **75 lb N/ac** | **100 lb N/ac** | **100N+GR** | **DON** |
| corn-till | 88 | 95 | 116 | 106 | 0.53 |
| corn-notill | 117 | 130 | 149 | 143 | 1.30 |
| bean-till | 125 | 134 | 150 | 135 | 0.73 |
| bean-notill | 123 | 139 | 148 | 135 | 0.45 |

**Protein (% DM basis)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **50 lb N/ac** | **75 lb N/ac** | **100 lb N/ac** | **100N+GR** |
| corn-till | 8.06 | 8.86 | 8.20 | 8.79 |
| corn-notill | 7.75 | 8.05 | 9.11 | 8.11 |
| bean-till | 8.47 | 8.46 | 8.47 | 9.74 |
| bean-notill | 8.15 | 8.76 | 8.60 | 9.46 |

**Kernel size by nitrogen rate – average across all crop/tillage**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **50 lb N/ac** | **75 lb N/ac** | **100 lb N/ac** | **100N+GR** |
| % over 7/64” | 84% | 85% | 85% | 58% |