**Graphs and Pictures**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Radish/Rye 101** | **Radish 201** | **Radish/Clover 301** |  | **Radish/Rye 401** | **Radish 501** | **Radish/Clover 601** |
| **Zero Control 102** | **Radish/Oat 202** | **Radish/Oats 302** |  | **Zero Control 402** | **Radish/Oat 502** | **Radish/Oats 602** |
| **Control 103** | **Zero Control 203** | **Control 303** |  | **Control 403** | **Zero Control 503** | **Control 603** |
| **Rye 104** | **Indy 204** | **Radish/Rye 304** |  | **Rye 404** | **Indy 504** | **Radish/Rye 604** |
| **Radish/Oat 105** | **Radish/Clover 205** | **Zero Control 305** |  | **Radish/Oat 405** | **Radish/Clover 505** | **Zero Control 605** |
| **Radish/Clover 106** | **Control 206** | **Radish 306** |  | **Radish/Clover 406** | **Control 506** | **Radish 606** |
| **Indy 107** | **Radish/Rye 207** | **Indy 307** |  | **Indy 407** | **Radish/Rye 507** | **Indy 607** |
| **Radish 108** | **Rye 208** | **Rye 308** |  | **Radish 408** | **Rye 508** | **Rye 608** |

Figure 1. Map of project plots. Left block are plots that received spring applied N on the right are plots that received fall applied N. Plots labeled zero control did not receive N in either the fall or spring.

**Figure 2. Images of students planting cover crops into soybean and corn.**

Table 1. Important dates of project field activities.

|  |  |
| --- | --- |
| Field Activity | Date |
| Background Soil sampling | November 19th, 2012 |
| Fall Anhydrous Application | November 19th, 2012 |
| Cover Crop Planting 1 | September 20th, 2012 |
| Spring Soil Sampling 1 | April 5th, 2013 |
| Corn Planting | May 14th, 2013 |
| Side Dress Anhydrous Application | June 20th, 2013 |
| Cover Crop Planting 2 | September 20th, 2013 |
| Corn Harvest | October 7th, 2013 |

Figure 3. Soil nitrate by depth in the spring of 2013. Capital letters indicate a statistical difference in nitrate amount at individual depths.

Figure 4. Soil ammonium by depth in the spring of 2013. Capital letters indicate a statistical difference in ammonium amount at individual depths.

Figure 4. Soil total inorganic nitrogen by depth in the spring of 2013. Capital letters indicate a statistical difference in total inorganic nitrogen amount at individual depths.

Figure 5. Estimated grain yield corrected to 15.5% moisture content for different application timings. Capital letters indicate statistical differences.