

Appendix A: Tables and Figures

| | | |
|-------------------|-------------------|-------------------|
| Radish/Rye 101 | Radish 201 | Radish/Clover 301 |
| Zero Control 102 | Radish/Oat 202 | Radish/Oats 302 |
| Control 103 | Zero Control 203 | Control 303 |
| Rye 104 | Indy 204 | Radish/Rye 304 |
| Radish/Oat 105 | Radish/Clover 205 | Zero Control 305 |
| Radish/Clover 106 | Control 206 | Radish 306 |
| Indy 107 | Radish/Rye 207 | Indy 307 |
| Radish 108 | Rye 208 | Rye 308 |

| | | |
|-------------------|-------------------|-------------------|
| Radish/Rye 401 | Radish 501 | Radish/Clover 601 |
| Zero Control 402 | Radish/Oat 502 | Radish/Oats 602 |
| Control 403 | Zero Control 503 | Control 603 |
| Rye 404 | Indy 504 | Radish/Rye 604 |
| Radish/Oat 405 | Radish/Clover 505 | Zero Control 605 |
| Radish/Clover 406 | Control 506 | Radish 606 |
| Indy 407 | Radish/Rye 507 | Indy 607 |
| 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.



Image 1: Cover Crop Applicator

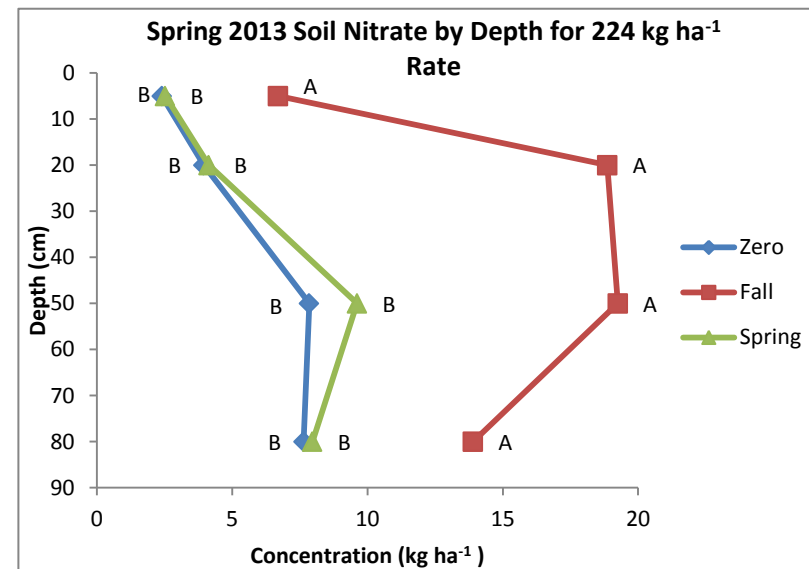
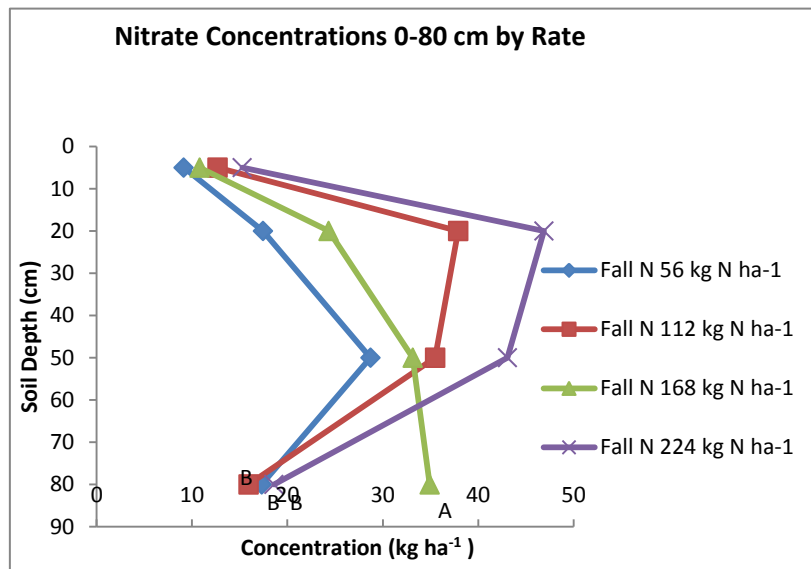


Figure 2a(left) and 2b(right). Soil Nitrate by depth in the fall (05/20/13).

Capital letters indicate a statistical difference in nitrate amount at individual depths at an alpha level of 0.05.

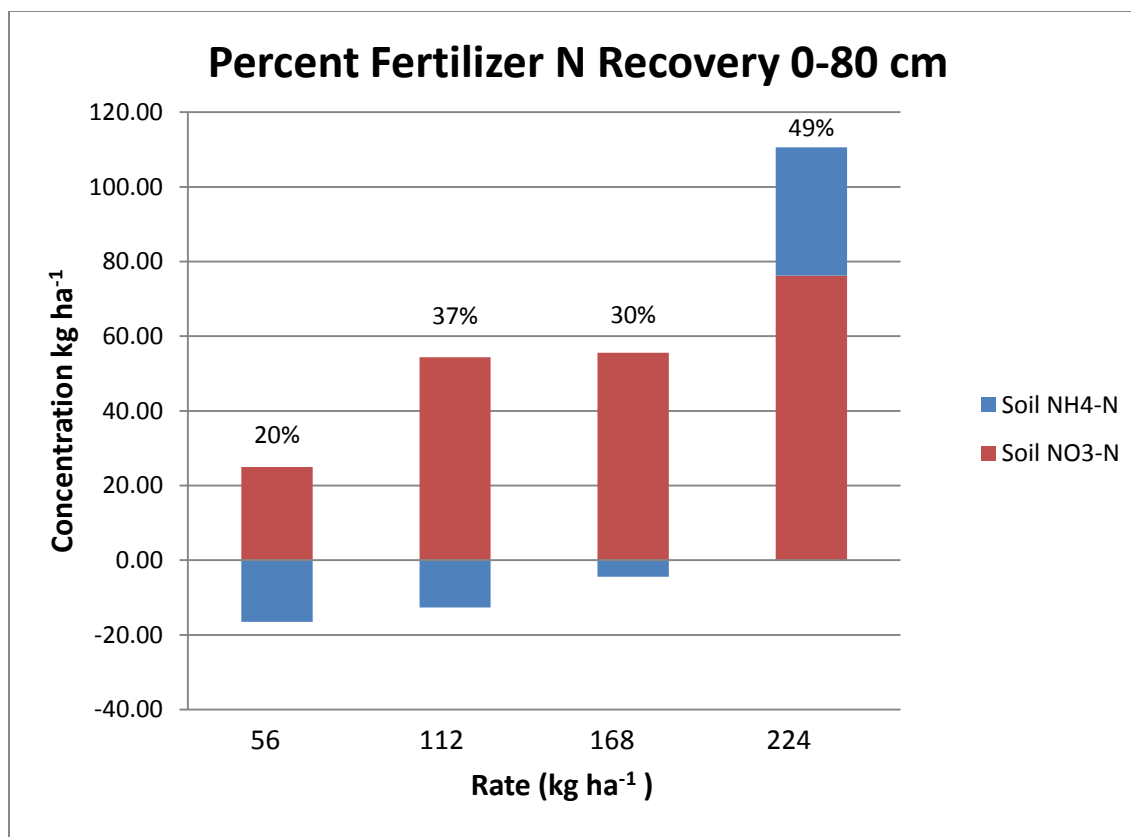


Figure 3: Percent fertilizer N recovery for soil samples collected 5/20/2013.

These values were obtained by subtracting the average control values from each plot. The values below zero indicate that the control had more ammonium than the treatments. This indicates that all of the ammonium in those treatments had already been converted to nitrate.

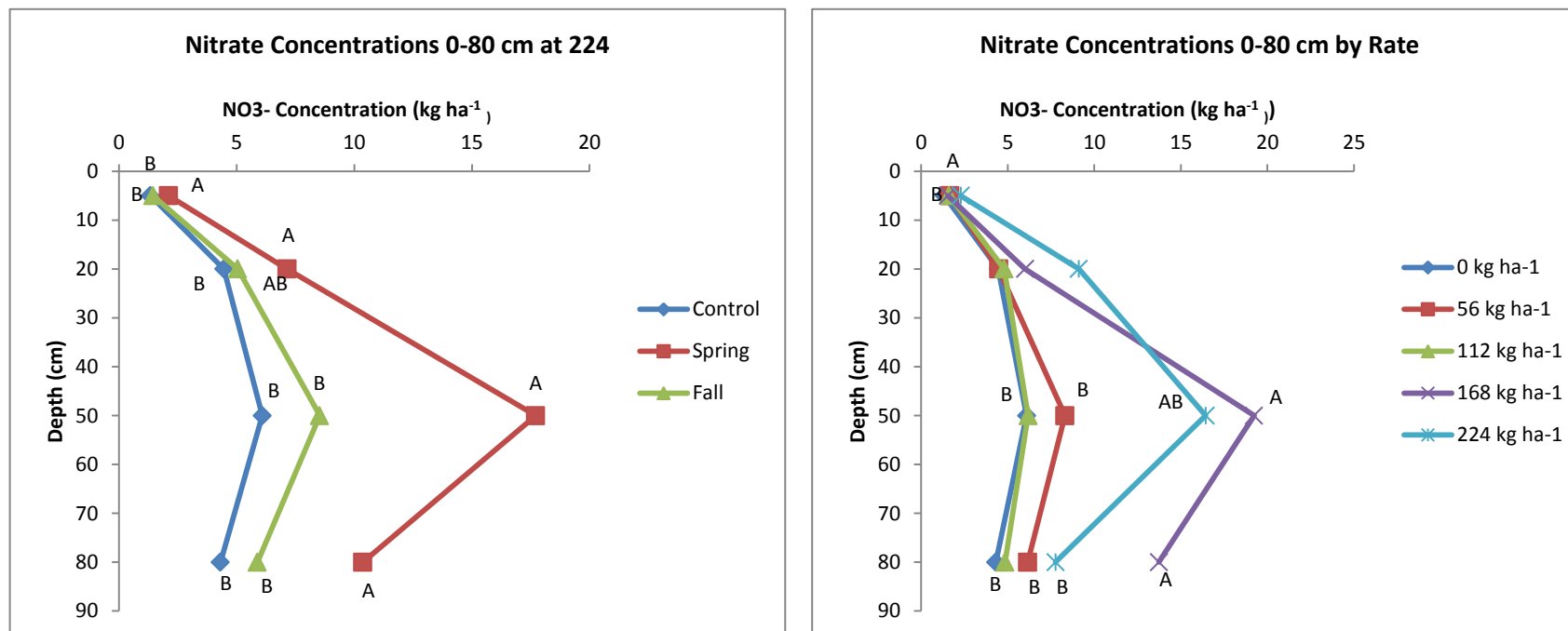
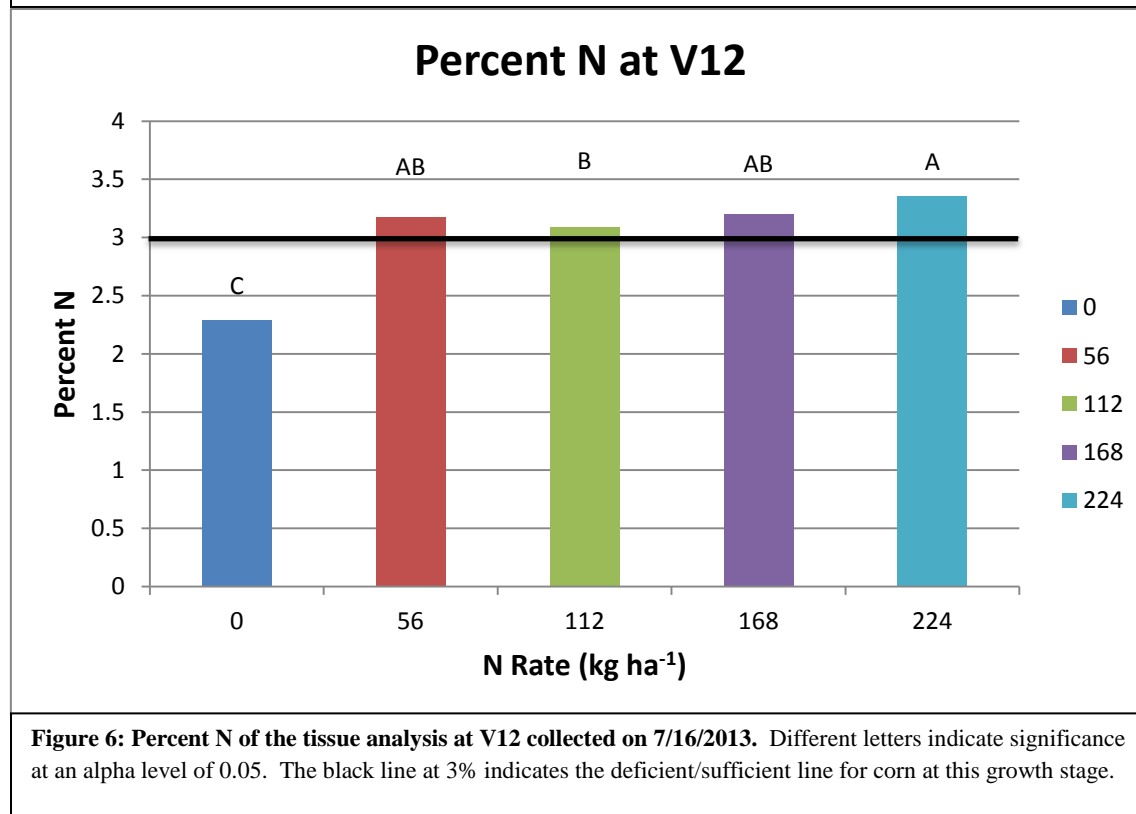
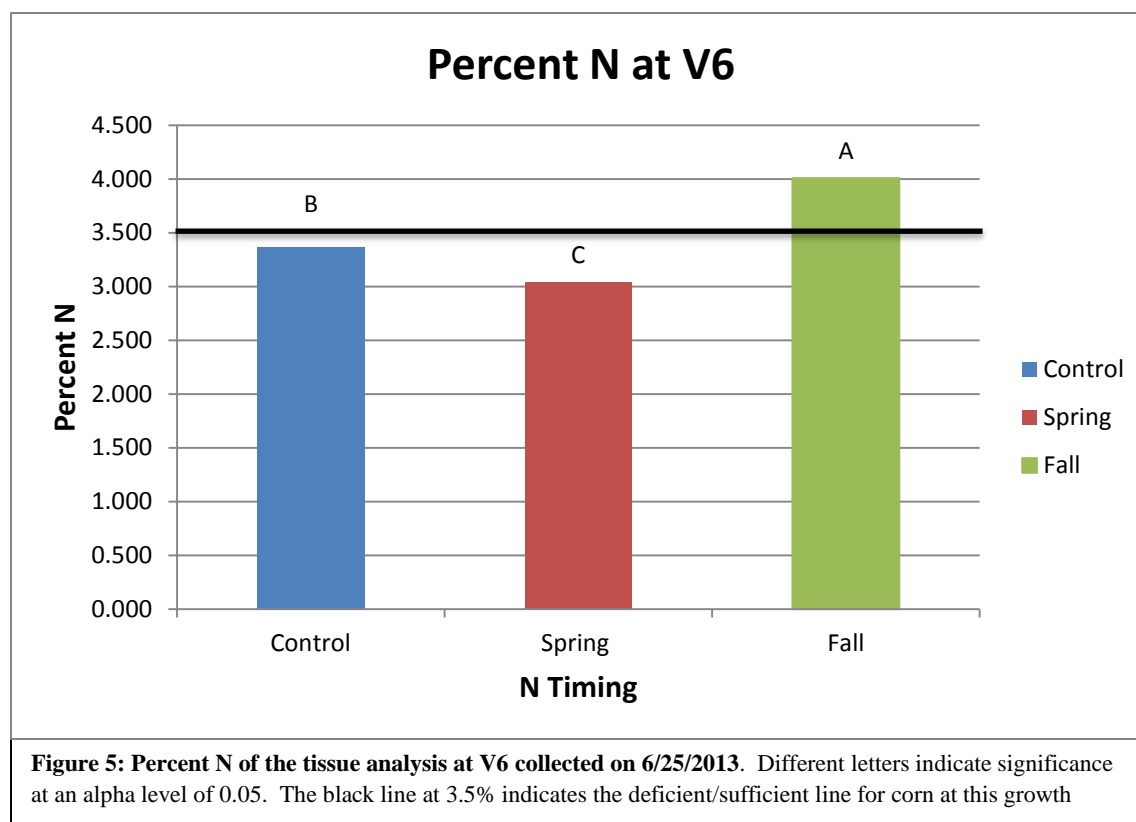


Figure 4a(left) and 4b(right). Soil Nitrate by depth in the fall (11/14/13).

Capital letters indicate a statistical difference in nitrate amount at individual depths at an alpha level of 0.05.



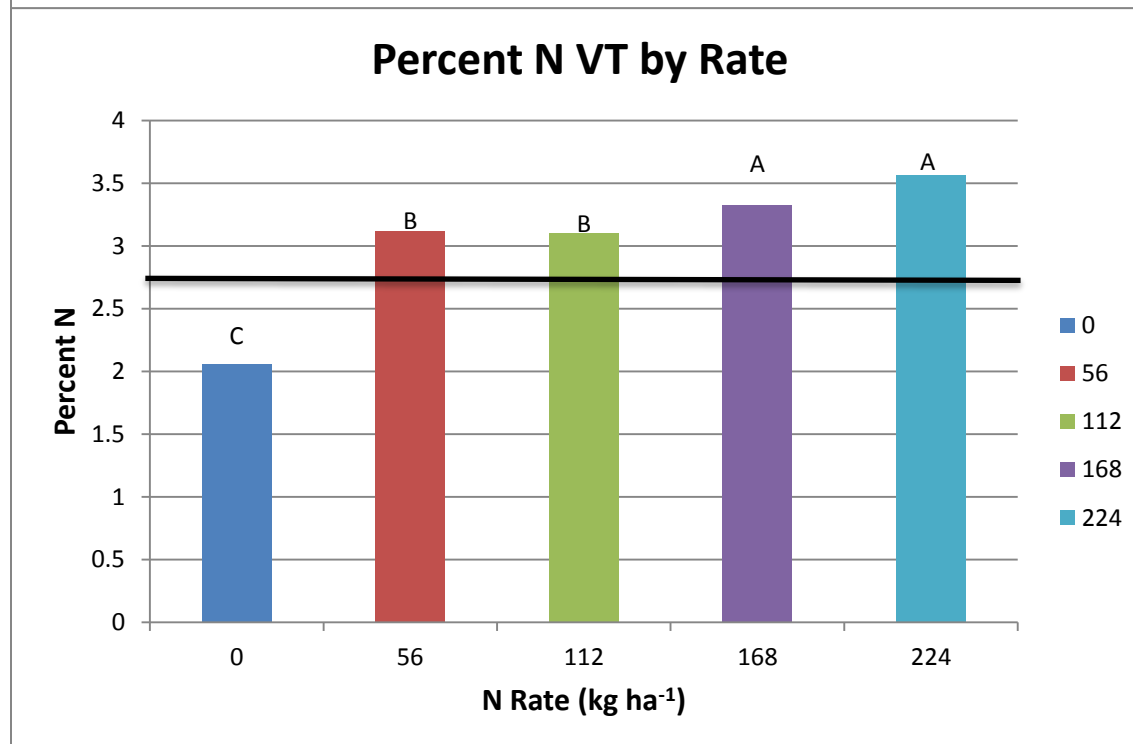
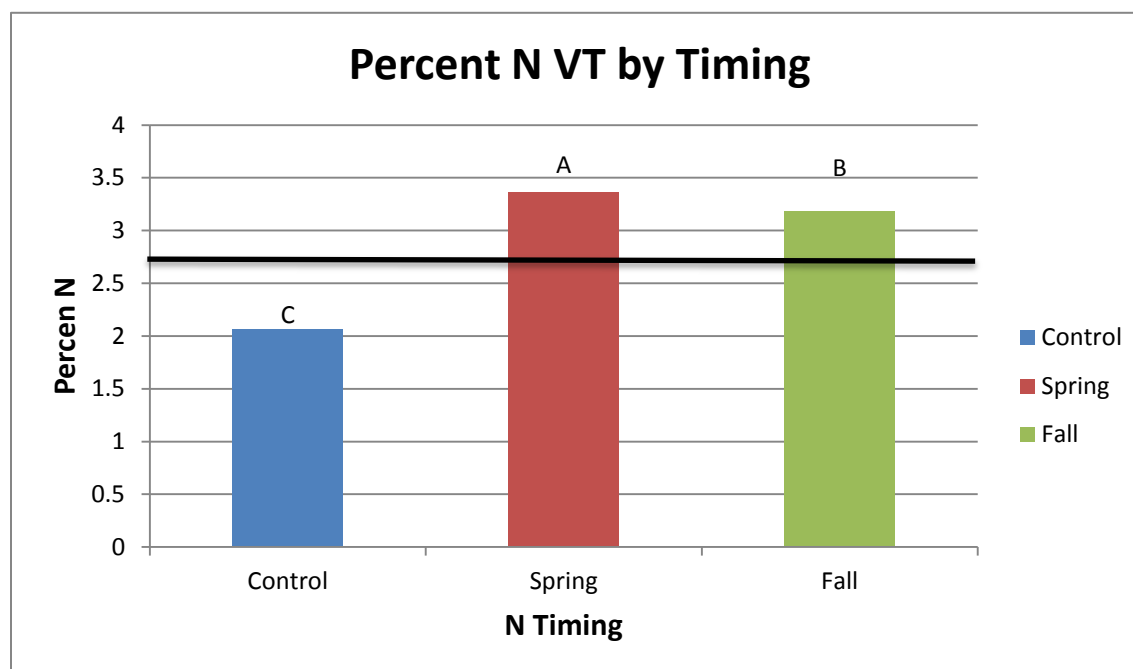


Figure 7: Percent N of the tissue analysis at VT collected on 7/24/2013. Different letters indicate significance at an alpha level of 0.05. The black line at 2.7% indicates the deficient/sufficient line for corn at this growth stage.

