



Growing Season Soil Nitrogen Mineralization Charts

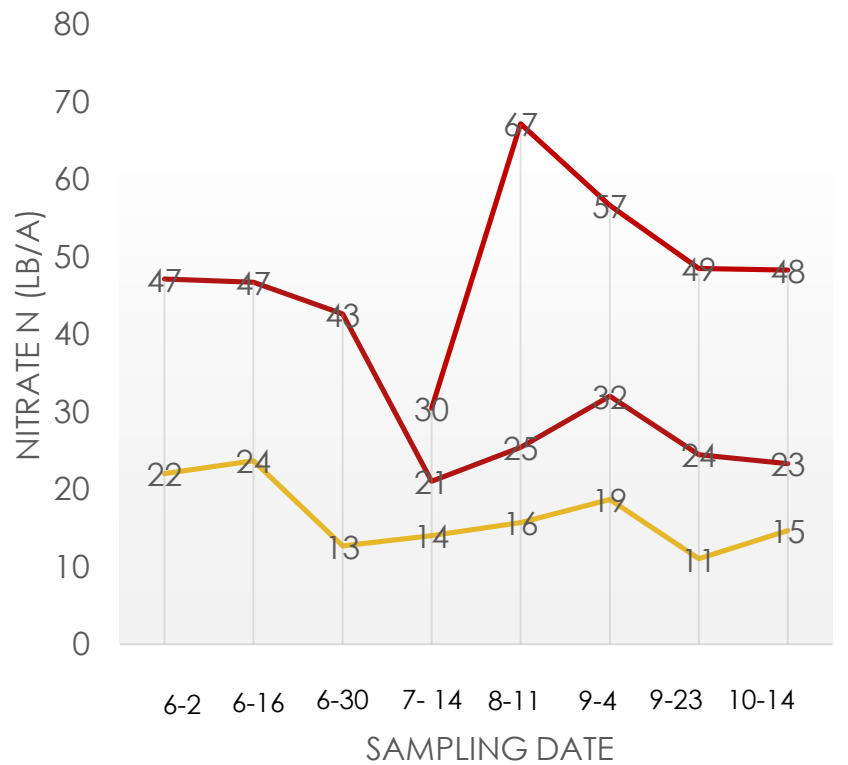
Soil Nitrogen Fertility

- ▶ Soil sample depths:
 - ▶ 0-6"
 - ▶ 6-12"
 - ▶ 12-24"
- ▶ 8" x 24" Irrigation pipe inserted for root restriction
- ▶ Samples collected inside and outside of the cylinders
- ▶ Data provides estimate of:
 - ▶ Nitrogen change over growing season
 - ▶ Nitrogen plants are scavenging
 - ▶ Leaching
 - ▶ Denitrification



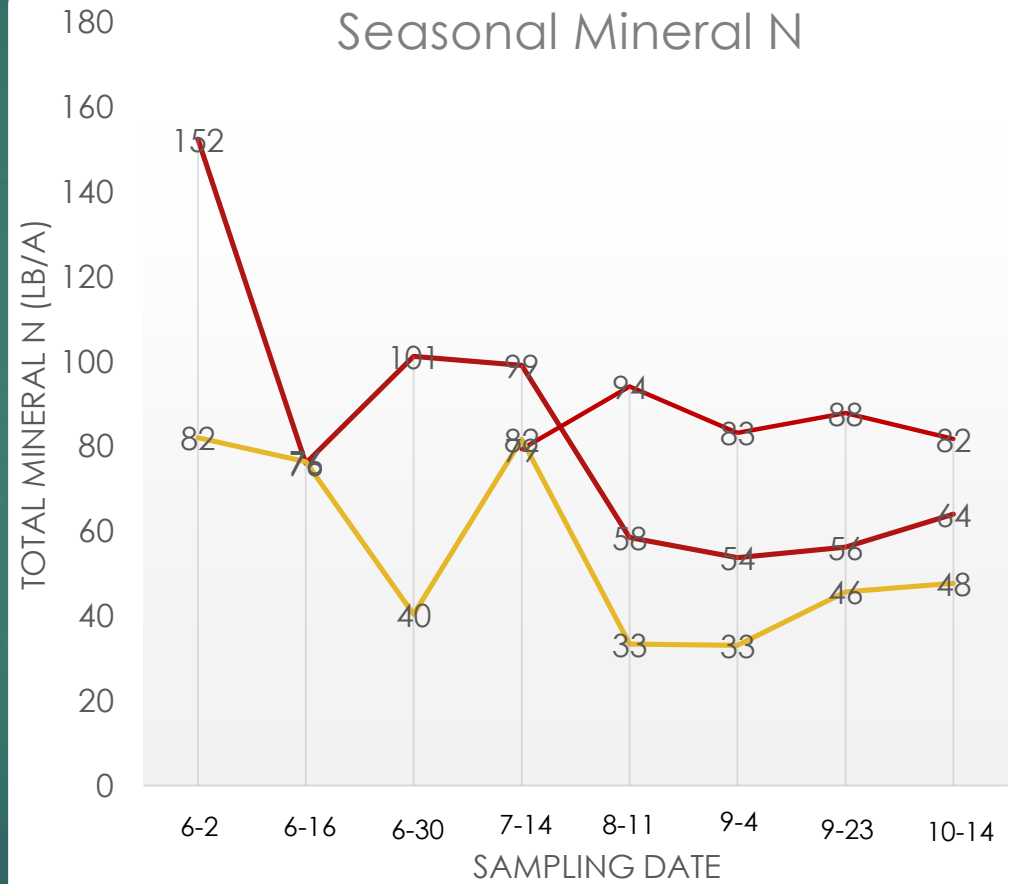
Total Mineral Nitrogen –

Seasonal Summary of NO₃-N



— Cropped Average — Isolated Average
— Grassland Average

Seasonal Mineral N



— Cropped Average — Isolated Average

Cropping System Nitrate-N ($\text{NO}_3\text{-N}$) – Outside Enclosures

