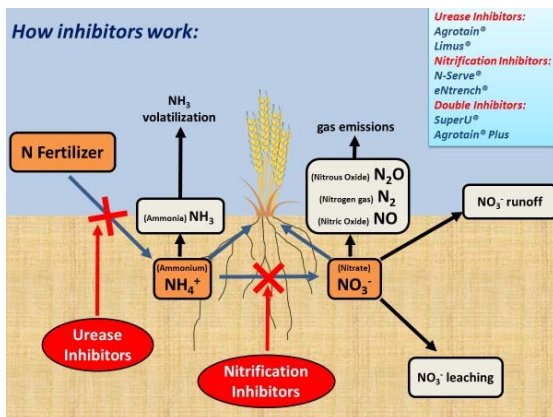
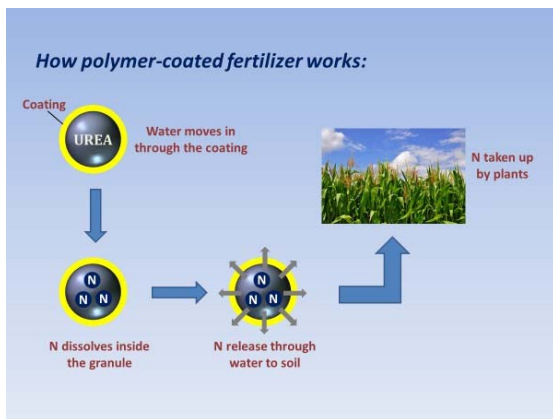
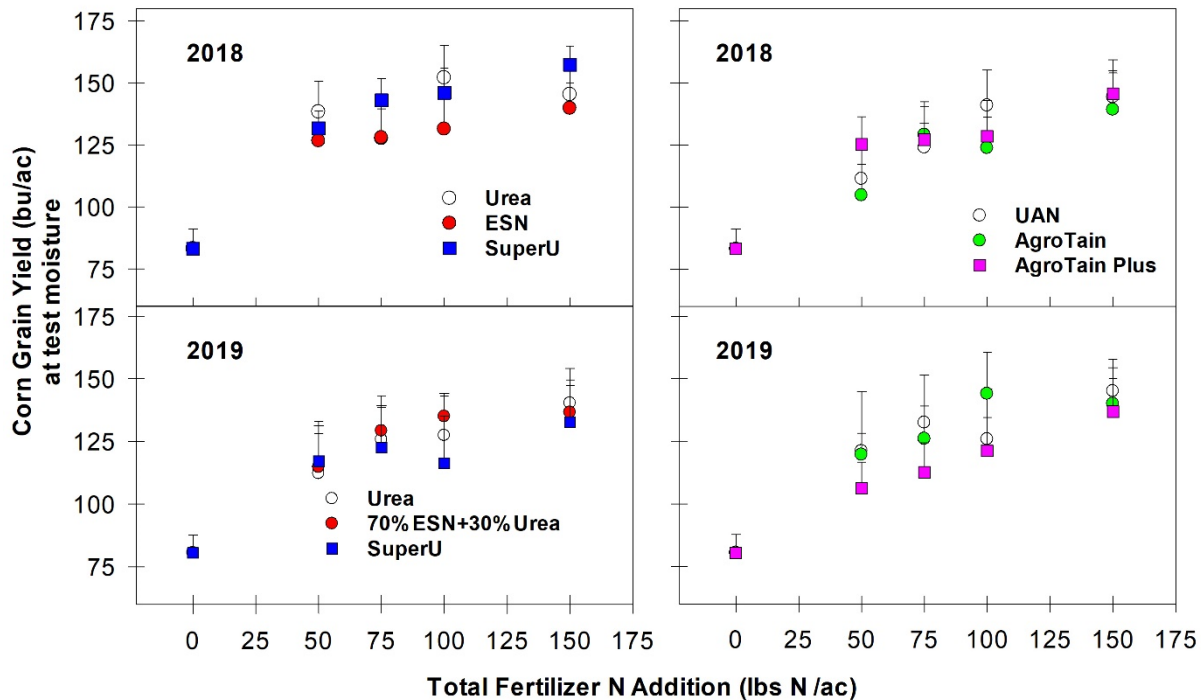


Station 4: Nitrogen Fertilizer Source

4R Nutrient Stewardship Self-Guided Tour



- ESN (44-0-0) is a polymer-coated urea product from which the release of N is controlled by soil temperature and moisture.
- SuperU (46-0-0) is a stabilized urea product which contains a urease inhibitor NBPT, and a nitrification inhibitor DCD, in the formulation.
- AgroTain is a dry concentrate N stabilizer containing the urease inhibitor NBPT. AgroTain Plus contains both urease inhibitor NBPT and nitrification inhibitor DCD.
- Yield response to pre-plant N sources differed between years. In 2018, ESN alone had lower performance. In 2019, SuperU had lower performance.
- In 2019, AgroTain Plus had lower performance.
- Generally, enhanced efficiency nitrogen fertilizer (EENF) products showed limited yield benefits over conventional urea.