Achiving Winning Nitrogen Combinations

- **WHAT?** 3 planting dates, 3 N rates, and 3 N application timings being studied to optimize winter wheat production

- **WHY?** To identify a toolbox of wheat N management strategies that may be adjusted according to planting date for individual grower operations throughout Michigan

- High management and high N are *NOT* synonymous terms

- Planting date is a critical factor when discussing high management wheat production

- Optimal planting date by nitrogen rate interactions to maximize yield

Unpredictable Michigan Spring Weather

- Air and soil temperatures

- Growing degree days

- Importance of rainfall

Differences in winter wheat spring growth 4/18/14 (left) and 4/16/15 (right). The difference here is due to a slight increase in growing degree days in spring 2015.