Why Low N Use Efficiency?

- Large, and uniform doses of N prior to planting
- Spatially variable landscapes
- Recipe for low N use efficiency

Premise Of In-season N Application

Why In-season N Management?

- Worldwide fertilizer nitrogen use efficiency (NUE) for cereal grains estimated at only 33%
- Unaccounted 67% represents a $15.9 billion annual loss of fertilizer N

Chlorophyll Meter Vs. Sensor

2006 University of Nebraska-Lincoln Extension CMDC