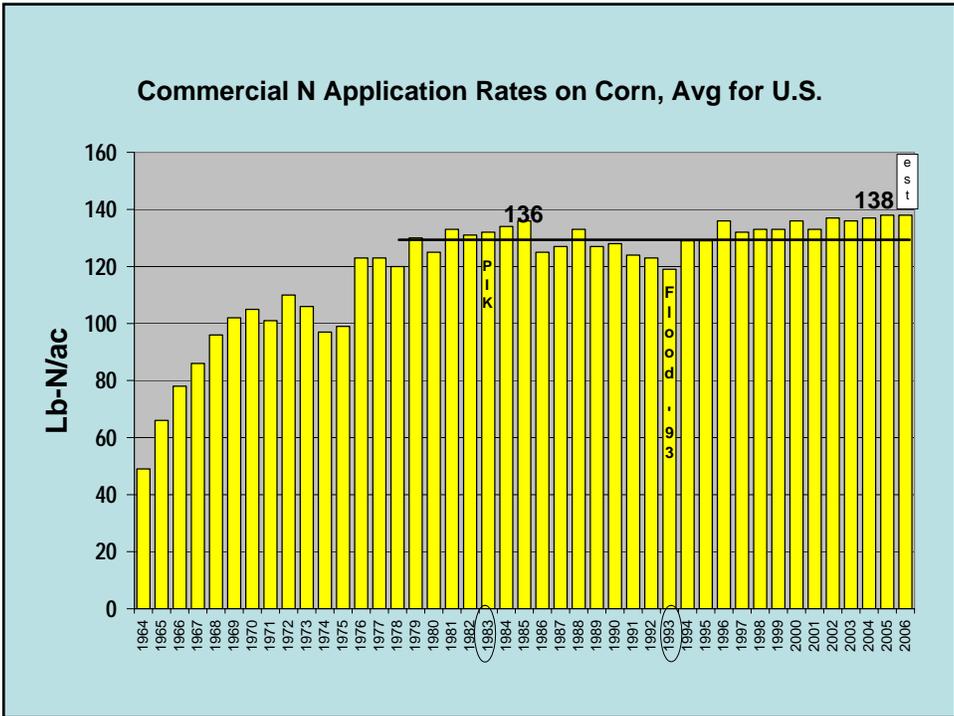
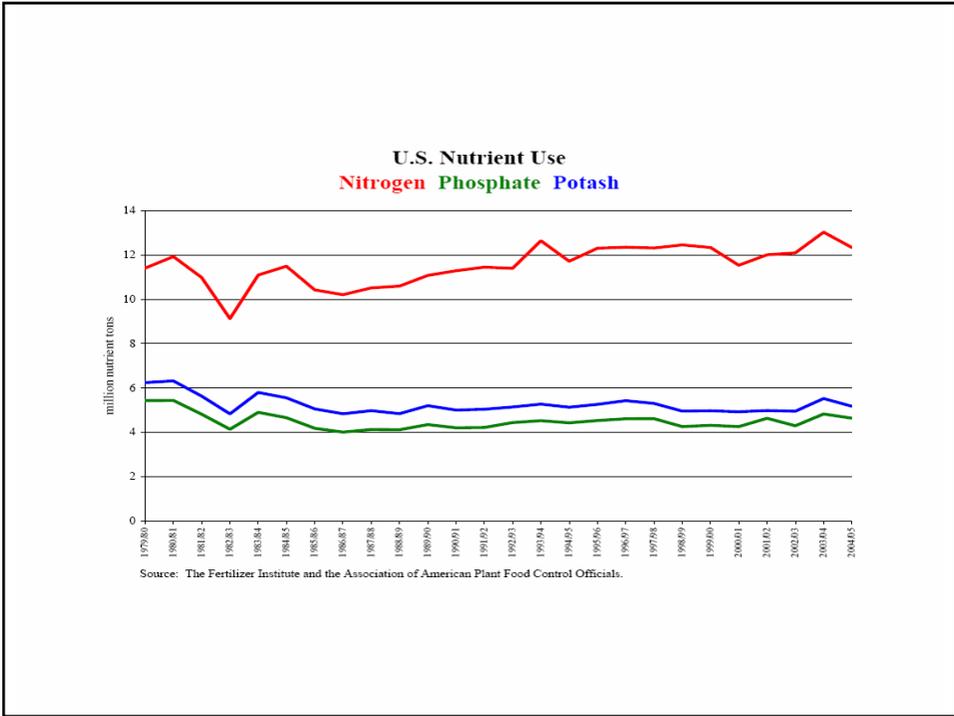


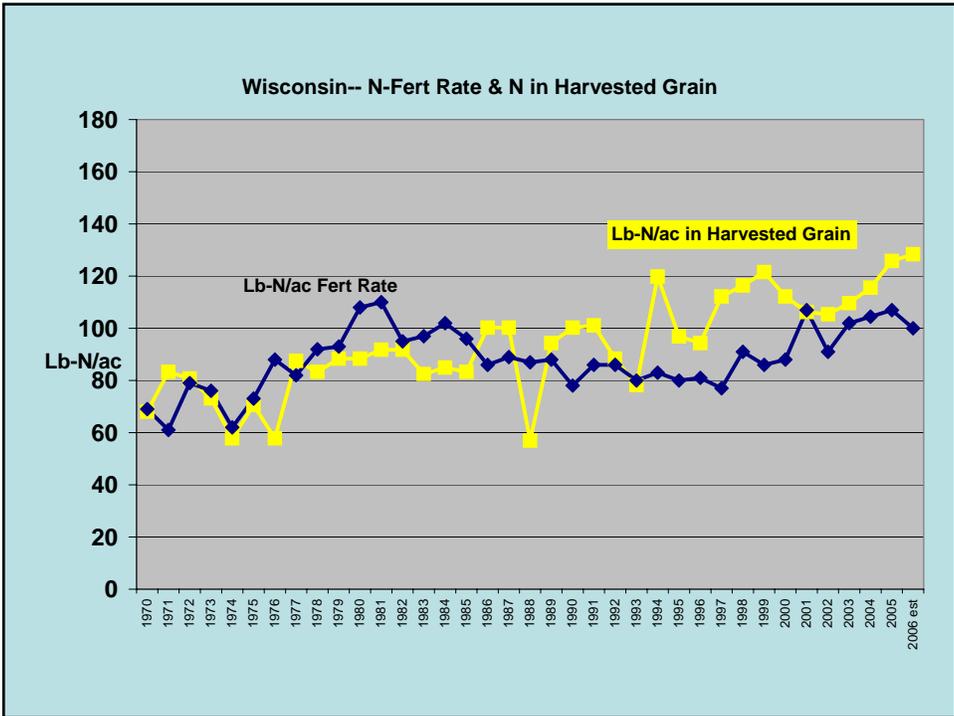
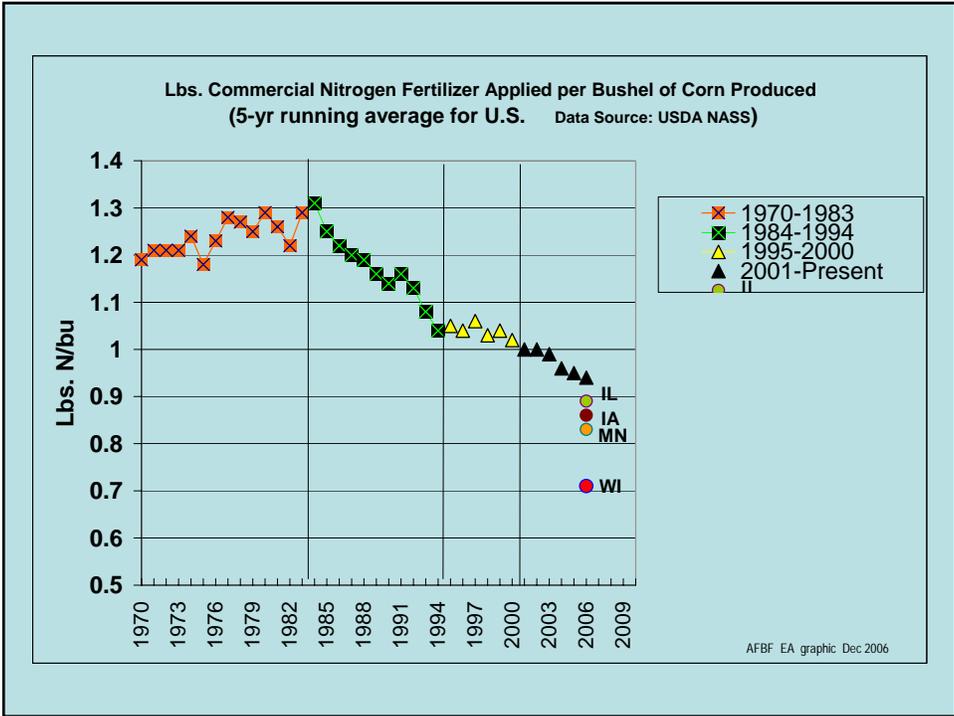
Agricultural Productivity

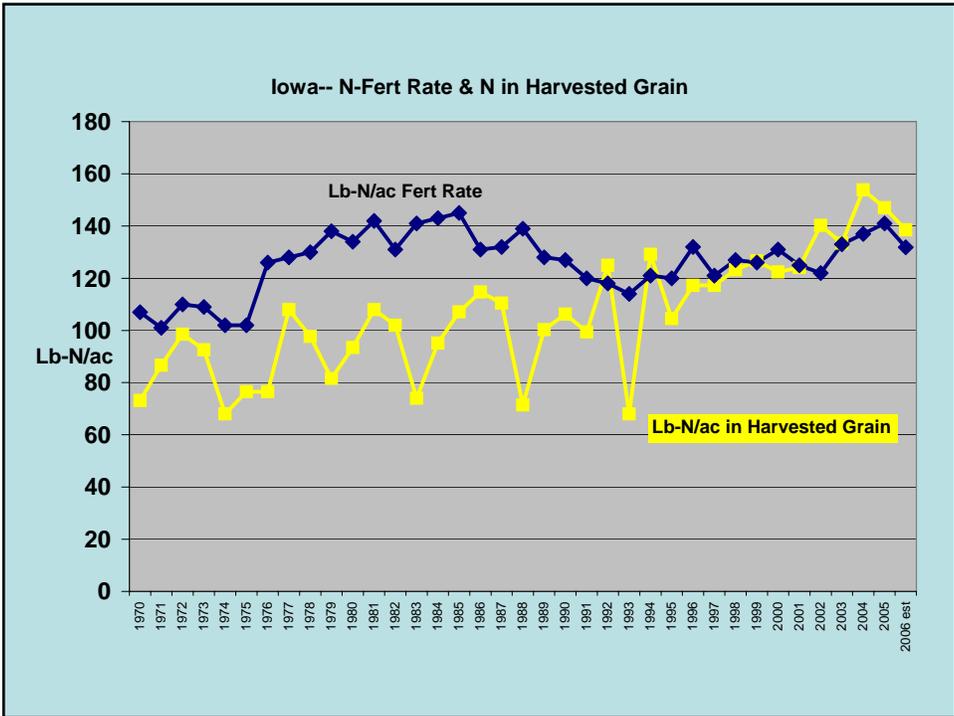
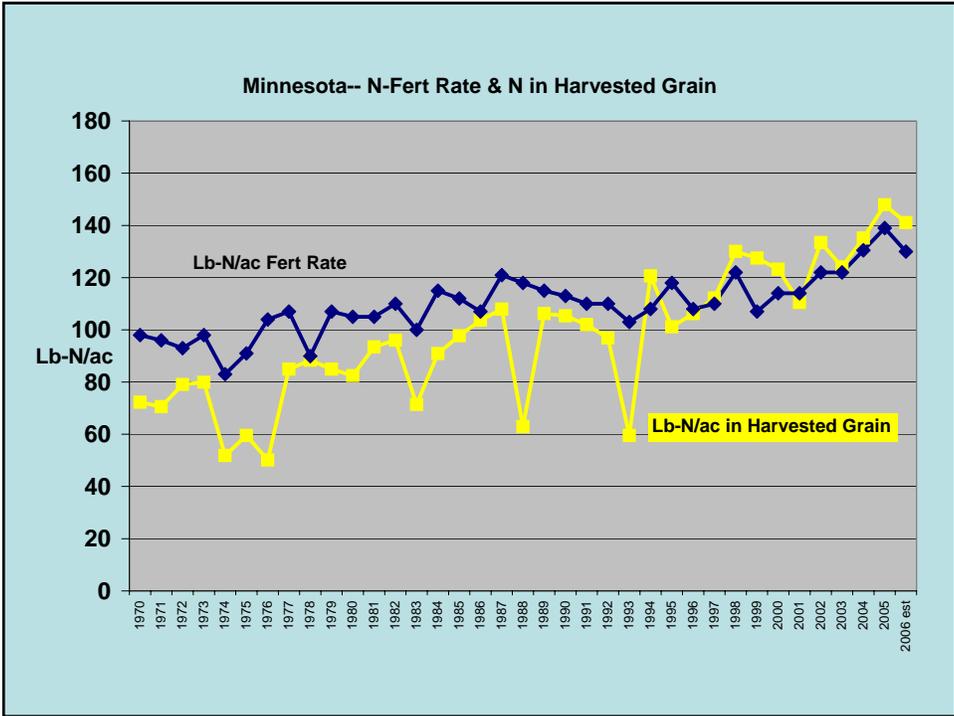
Don Parrish
And
Jim Porterfield
American Farm Bureau Federation

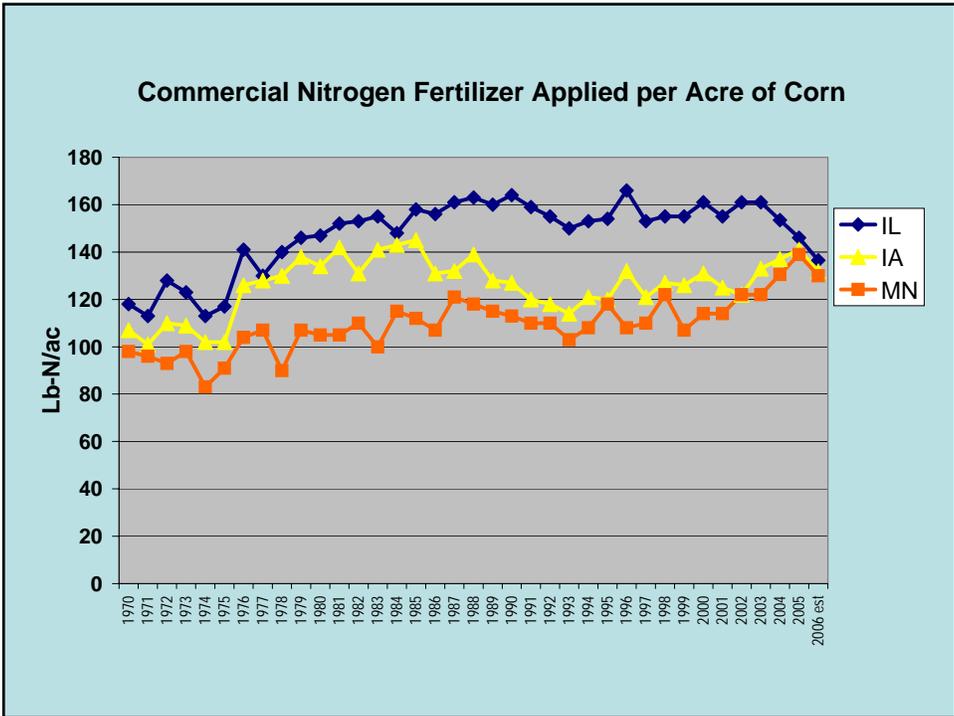
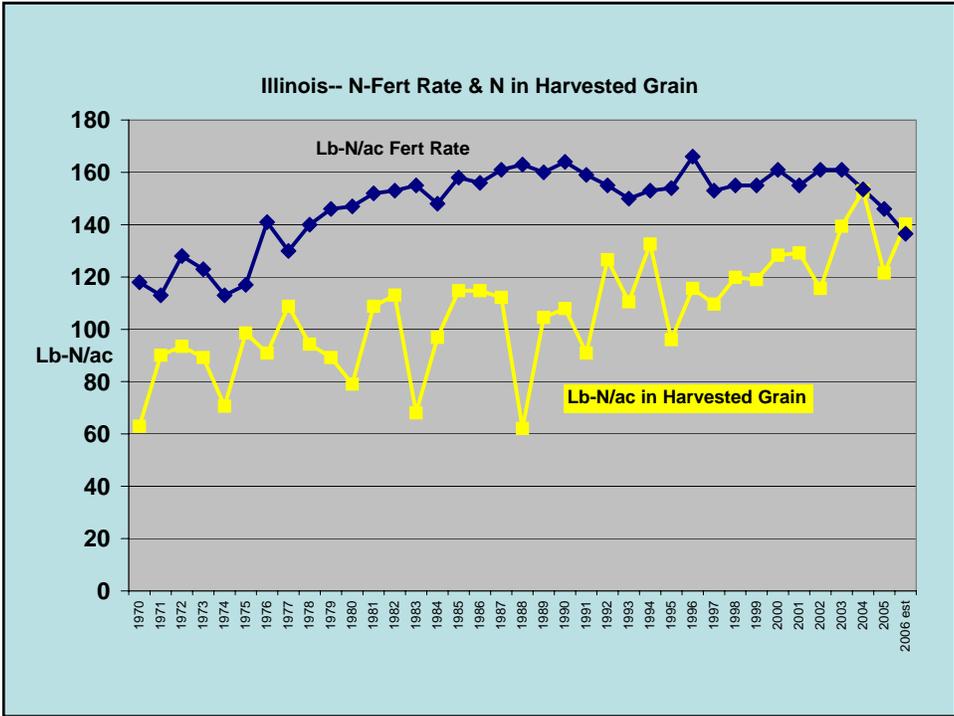
Agricultural Productivity

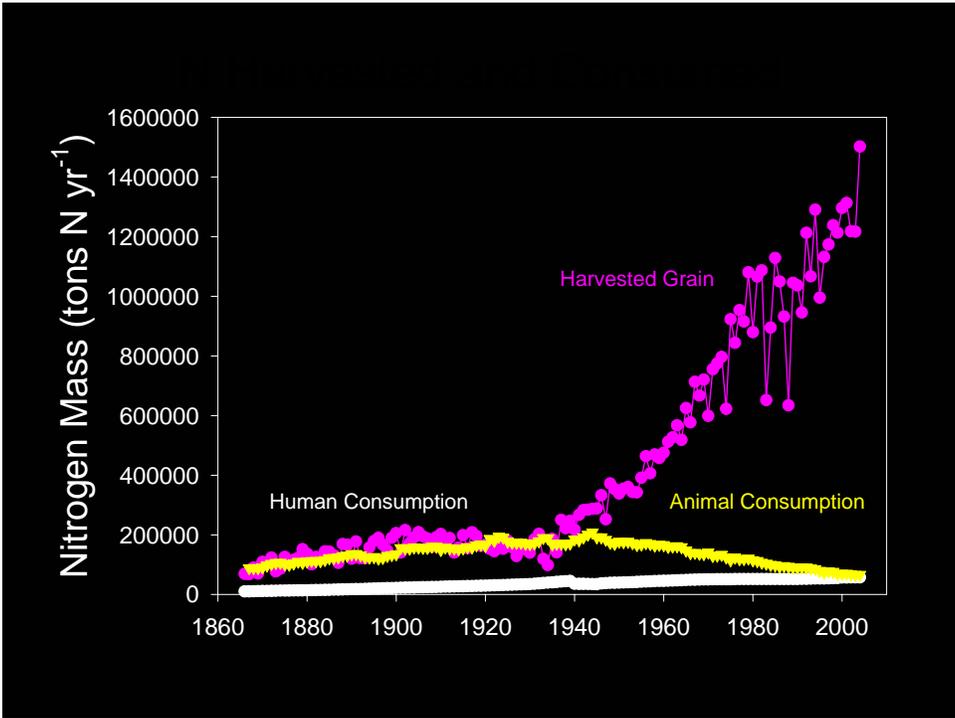
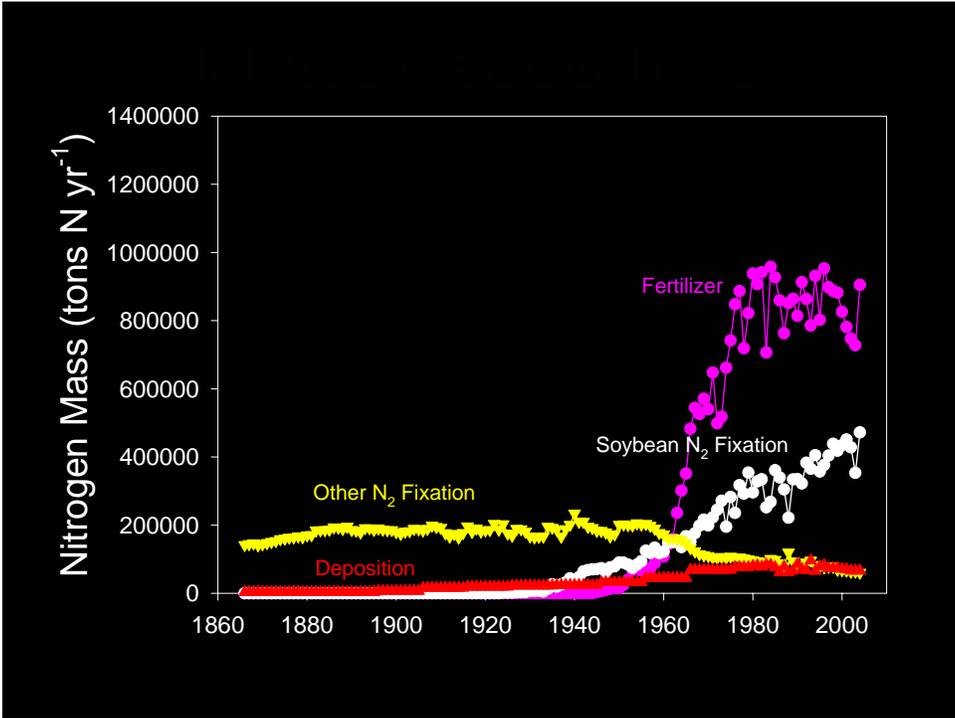
- Are farmers removing more nutrients from the soil than they are applying?
- **AND IF** farmers are removing more nutrients than they are applying –
 - What is happening to soil organic matter?
 - What is happening to long-term productivity?
 - Is a nutrient imbalance sustainable?

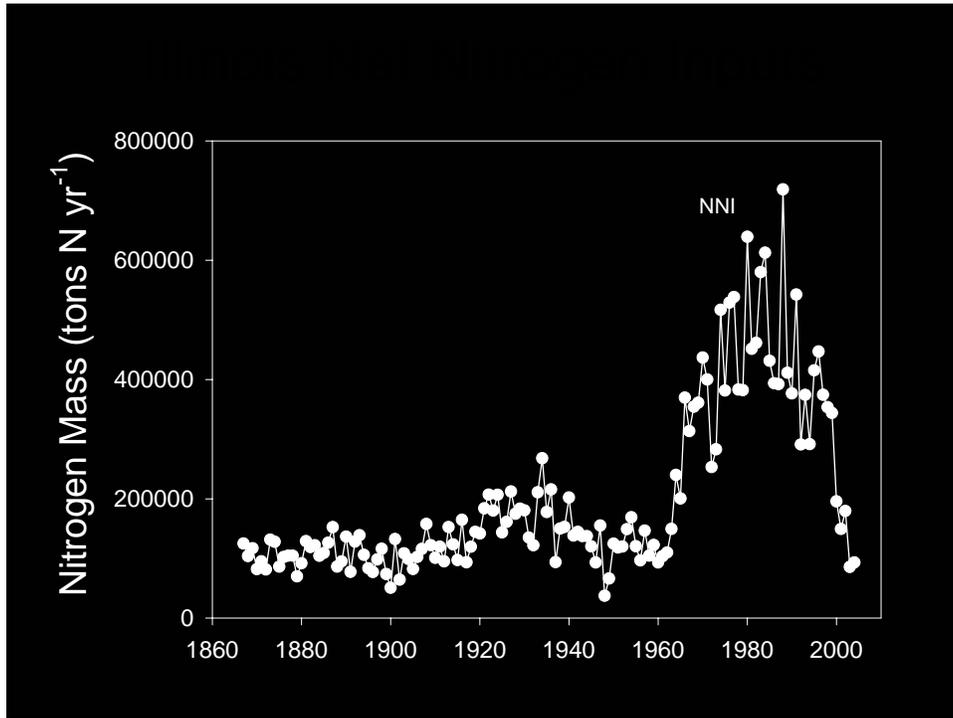












Agricultural Productivity

- We think the net nutrient balance is near zero – if this is the case – are there excess nutrients in the system? And if there are –
- Where is excess N coming from and how can it be mitigated without significantly impacting food, feed and fuel supplies?

Agricultural Productivity

- What happens to agricultural productivity if rates stay the same or are reduced from current levels and what evidence exists that nitrogen in the river will be reduced?
- Does Agriculture have the research base to make further improvements?