

# 2007 Fertilizer Outlook and Technology Conference

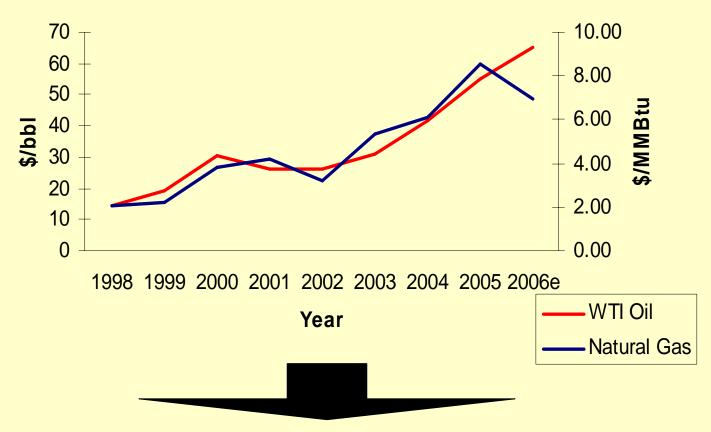
### Nitrogen Outlook



#### Outline

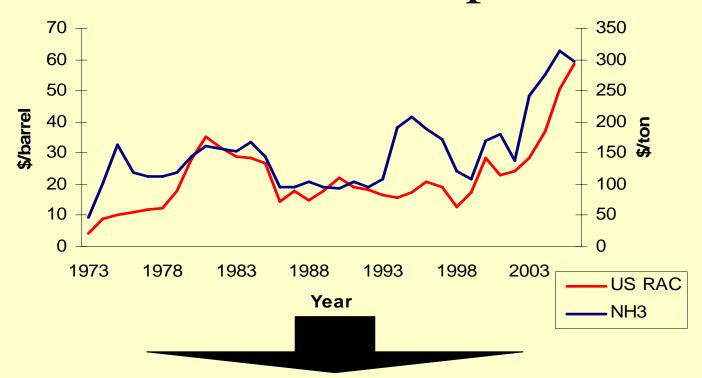
- Global Energy Situation
- Global Nitrogen Outlook
- North American Nitrogen Outlook
- Industry Issues
- Summary

#### **Energy Prices**



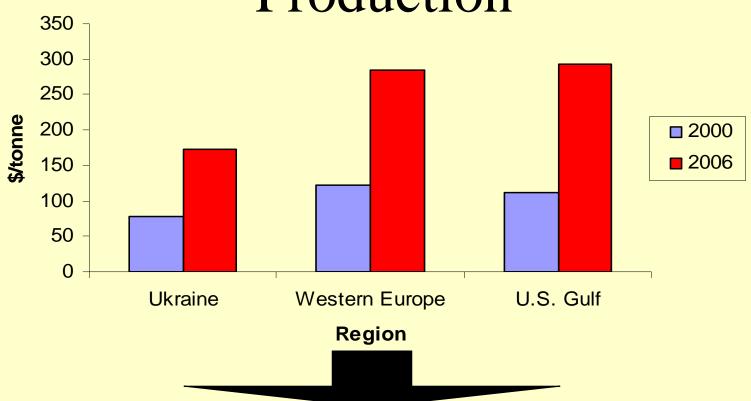
- Bull market for oil and gas over the past 5 years
- Energy prices remain well above historical levels in spite of recent declines

### Nitrogen and Oil Price Relationship



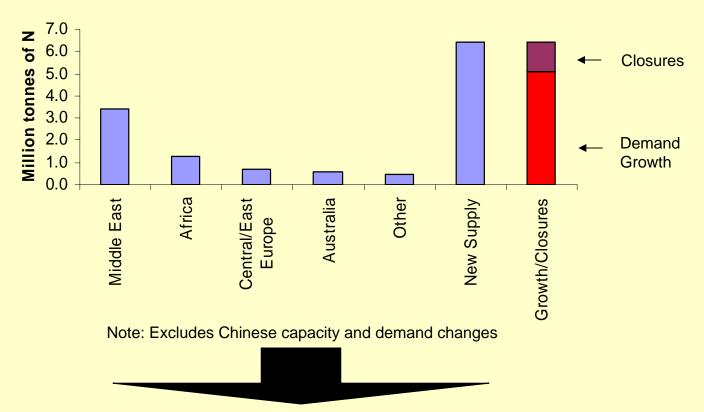
- Historical positive correlation of 0.8 between oil prices and nitrogen prices
- High energy prices impact global operating rates and the global nitrogen cost curve

# Ammonia Cash Cost of Production



• Nitrogen production costs have more than doubled in key export and import regions

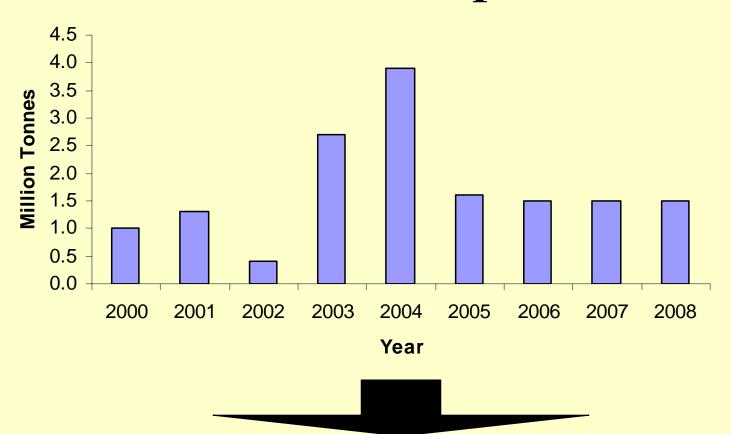
## Regional Nitrogen Capacity Additions 2006-2008



- New capacity located in regions with access to low cost gas supplies
- Demand growth should offset a large portion of the new capacity

Source: IFA, Fertecon, Agrium

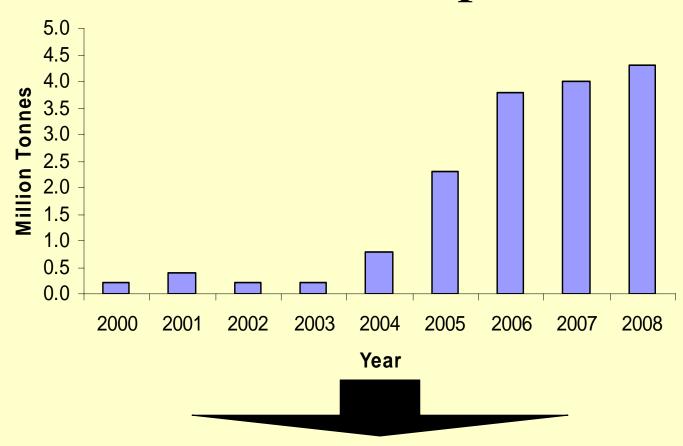
#### China Urea Exports



- China's urea export volumes have been a major swing factor in the urea market
- We anticipate Chinese government policies will continue to encourage domestic use of energy resources

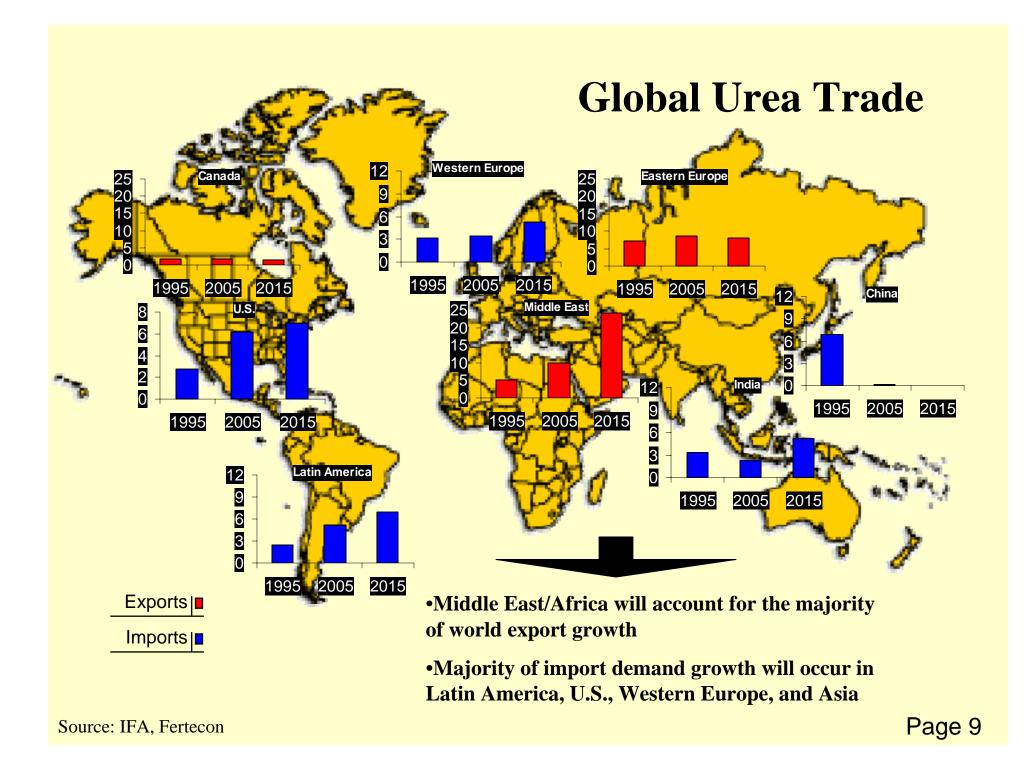
Source: Fertecon

#### India Urea Imports



- India's urea import demand has been a major driver for nitrogen markets in the second half of 2006
- Potential for additional urea import growth from India

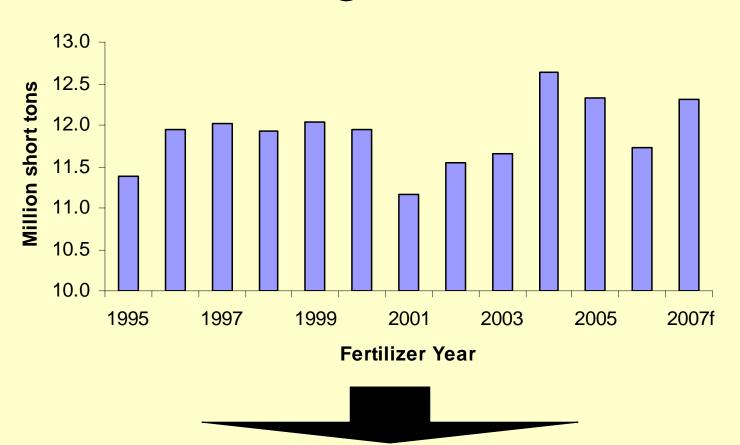
Source: Fertecon



#### North American Demand Drivers

- Crop acreage
  - Increase in corn and wheat acreage
- Farm cash flow
  - Crop prices are rising
- Farm input prices
  - Input costs remain high
- Weather
  - Spring planting conditions

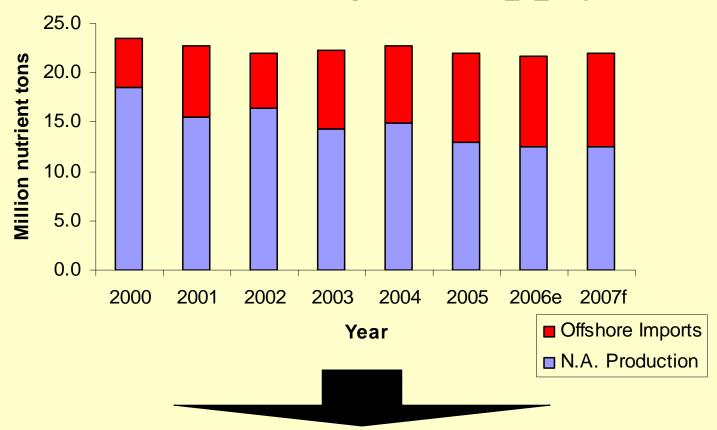
#### U.S. Nitrogen Demand



- U.S. nitrogen demand declined over the past two years due to high input costs and relatively low grain prices
- Demand in 2007 should be supported by higher corn acres and crop prices

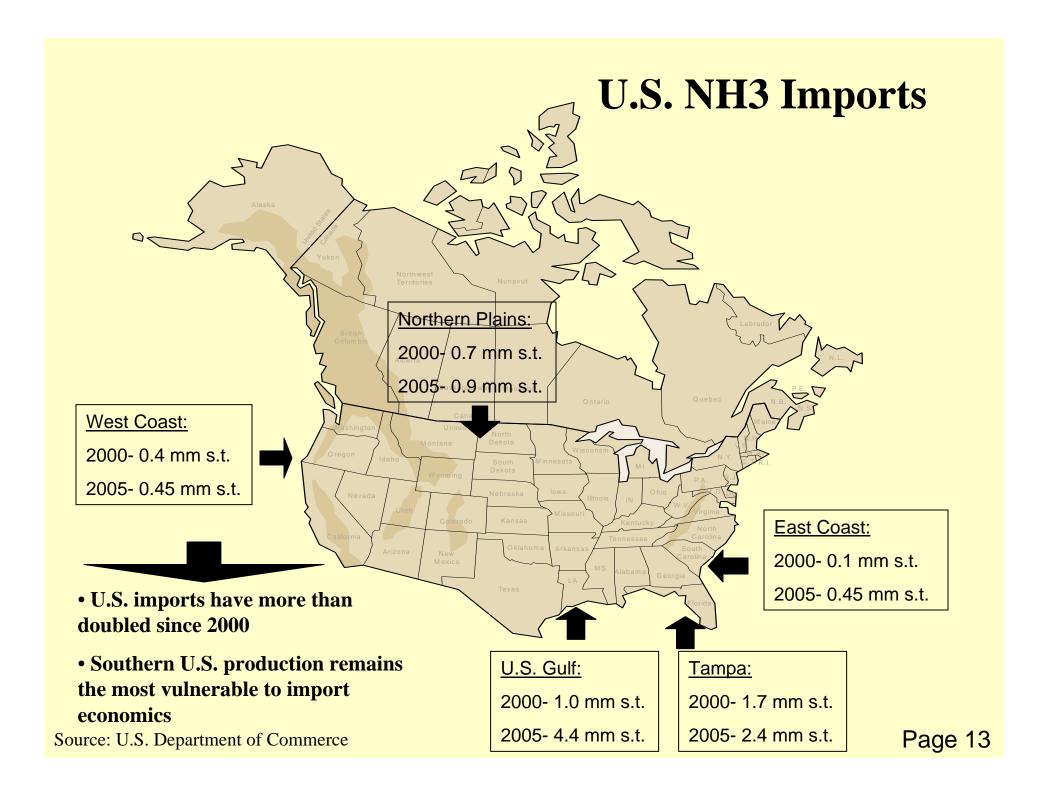
Source: USDA, AAPFCO, Agrium

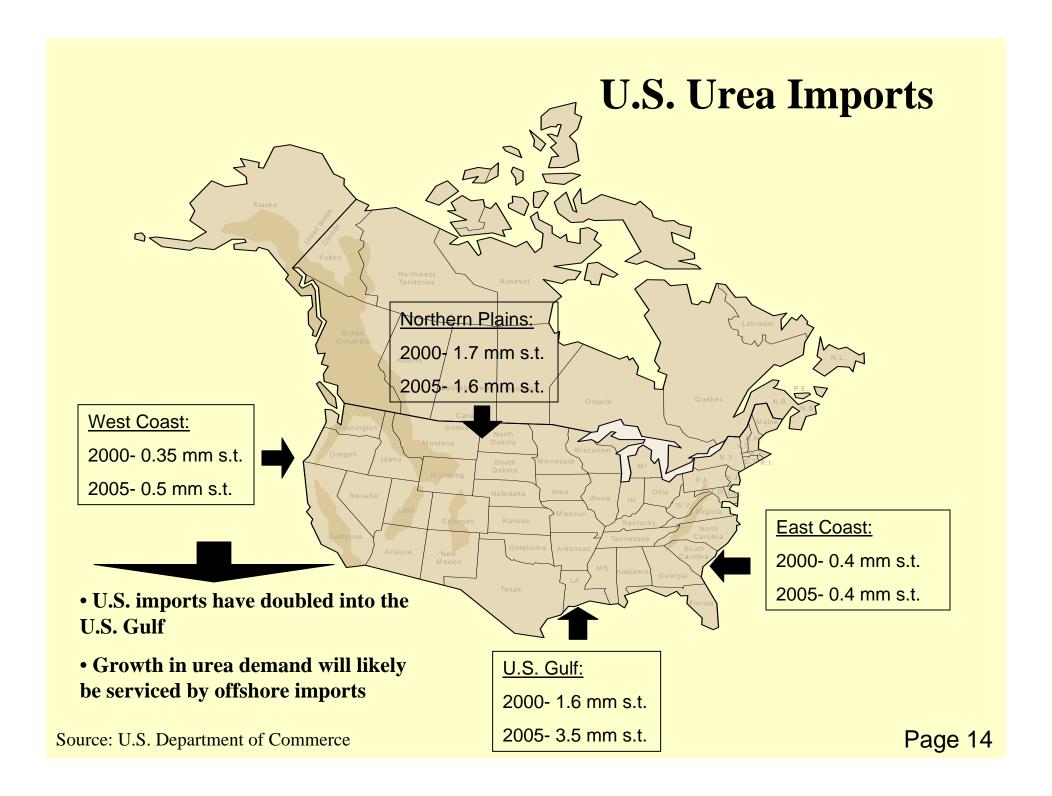
#### N.A. Nitrogen Supply



- Offshore imports accounted for over 40% of the N.A. nitrogen supply in 2006 compared to around 20% in 2000
- Anticipate production to stabilize in 2007 as gas prices have moderated

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#### Industry Issues

- Nitrogen Product Trends
  - Ammonium nitrate use
  - NH3 handling and transportation costs
  - Controlled Release Nitrogen
- Gasification technology
  - Longer term repositioning of some domestic capacity

#### Summary

- High global energy prices support the nitrogen market
- Demand growth and some plant closures should offset new capacity
- Increase in global nitrogen trade
- Global and North American demand supported by improvement in agriculture fundamentals