

Global Fertilizer Outlook and Trends: 2010 and Beyond

The Beginning of the Demand Recovery

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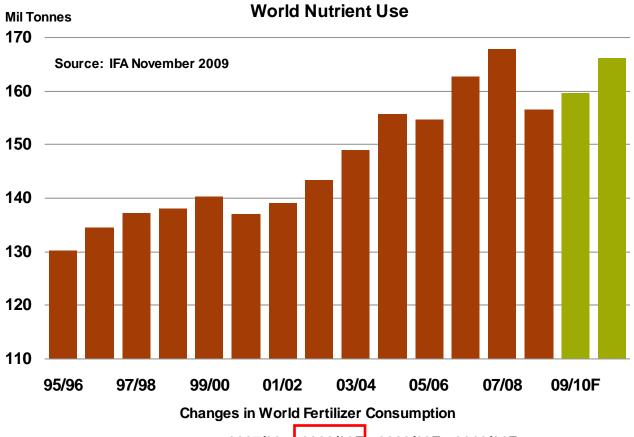
Topics

- Improving crop nutrient demand drivers and outlook
 ⇒Upturn in the global economic outlook
 ⇒Constructive agricultural fundamentals
- Tighter phosphate fundamentals begins to take hold
 ⇒Low stocks from producer warehouses to farm field
 ⇒Demand recovery underway
- Potash shipments remain slow
 ⇒ Waiting for a China settlement and price discovery
 ⇒ Strong demand recovery expected in 2010
 ⇒ Demand recovery at what price?

Unpredictable factors to watch
 ⇒ Agricultural commodity prices and farm economics
 ⇒ Macroeconomic conditions
 ⇒ Government policies

Unprecedented drop in global crop nutrient use

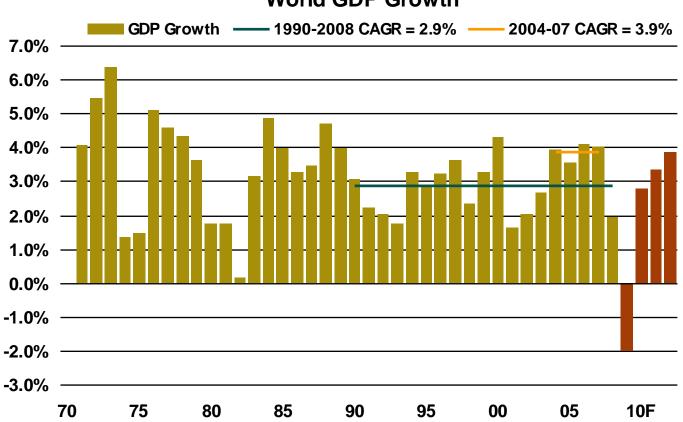
(particularly P&K)



	2007/08	2008/09E	2009/10F	2010/11F
Nitrogen	3.2%	-1.5%	1.6%	2.6%
Phosphate	0.1%	-10.5%	3.0%	6.2%
Potash	6.8%	-19.8%	-4.5%	13.5%
Total	3.1%	-6.7%	1.0%	4.9%

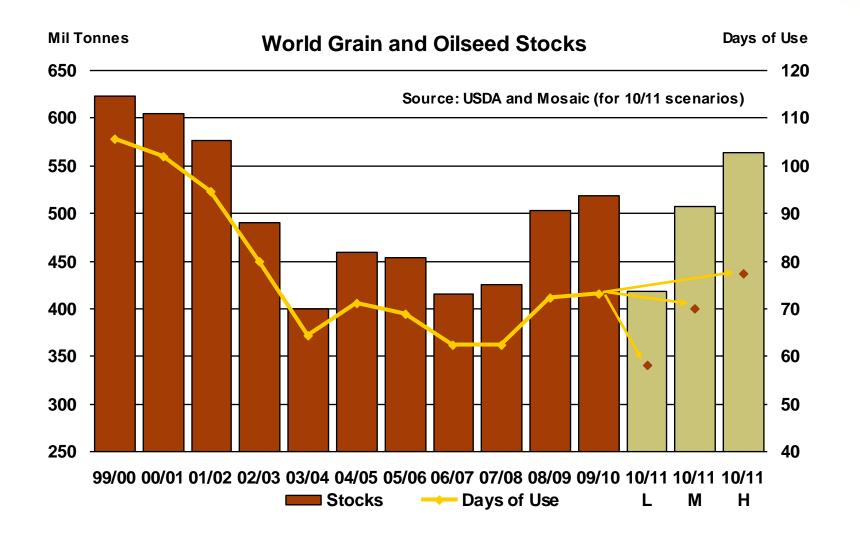
Source: IFA November 2009

More upbeat global economic outlook

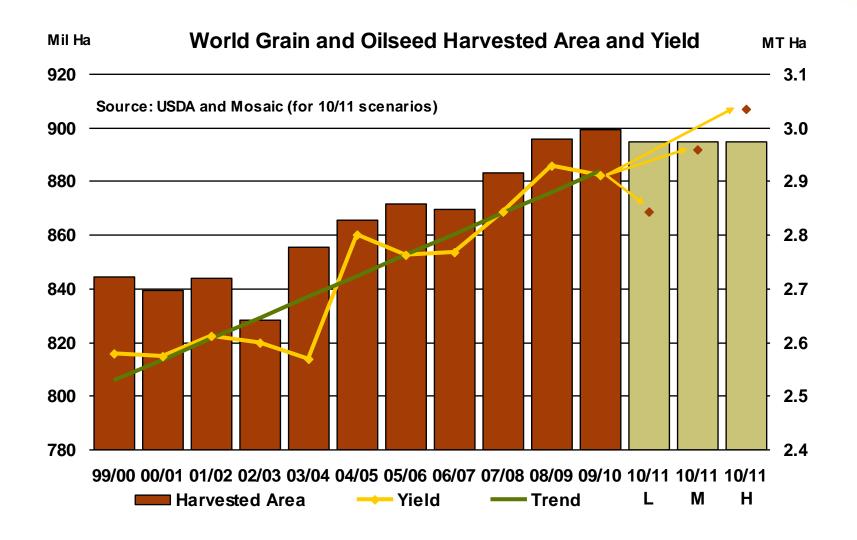


World GDP Growth

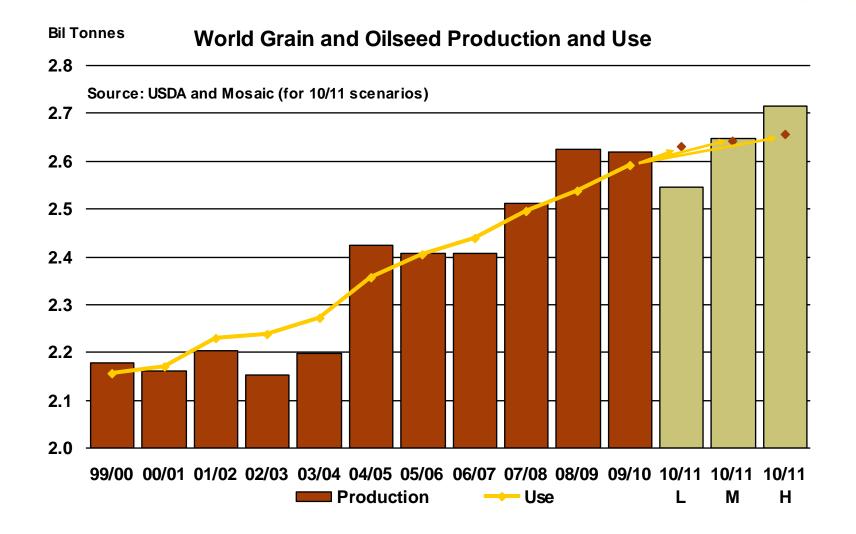
Another large crop is needed in 2010



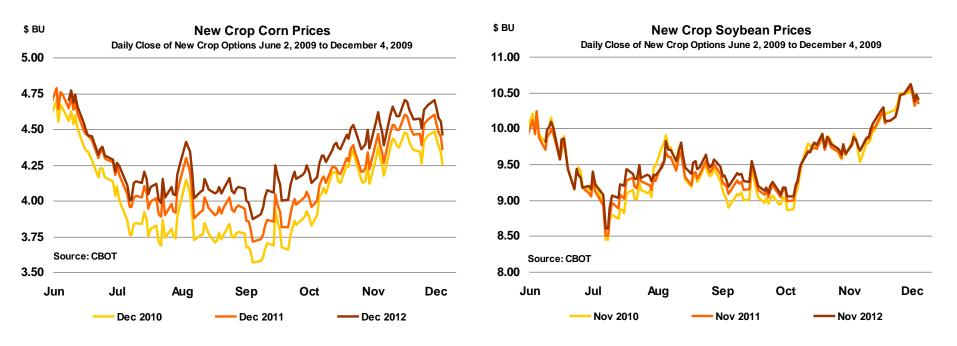
Yields are key



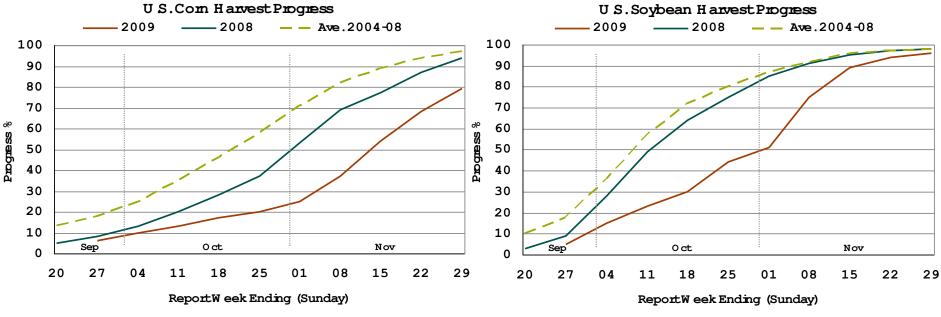
Grain and oilseed use marches upward



Futures markets trading this view



Harvest progress has been significantly behind normal



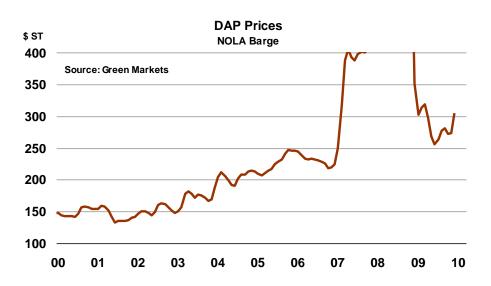
Source: USDA

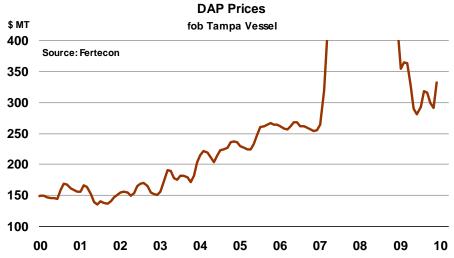


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 ⇒Macroeconomic conditions
 ⇒Government policies

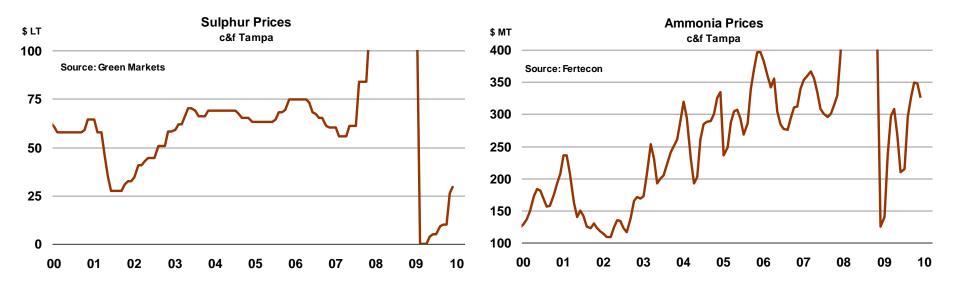
Tighter phosphate fundamentals begin to take hold



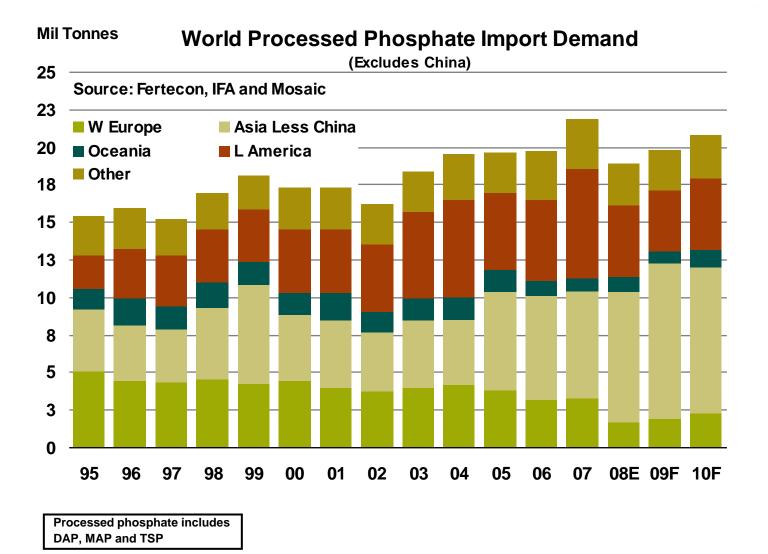




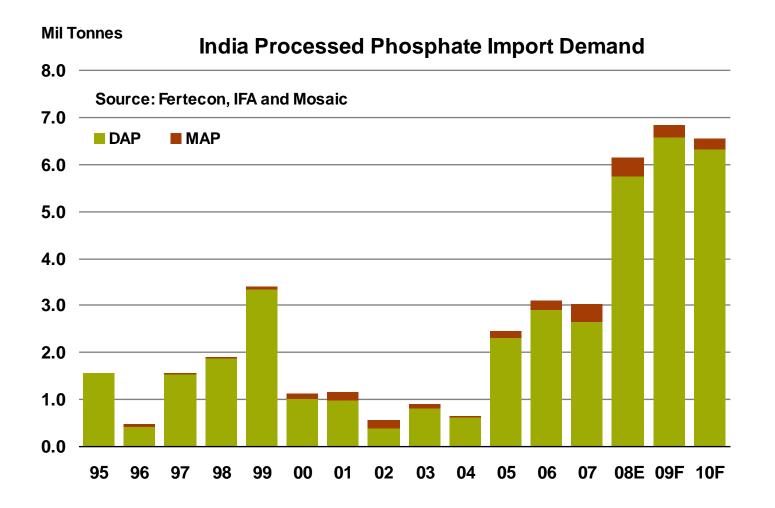
Raw material costs are edging up



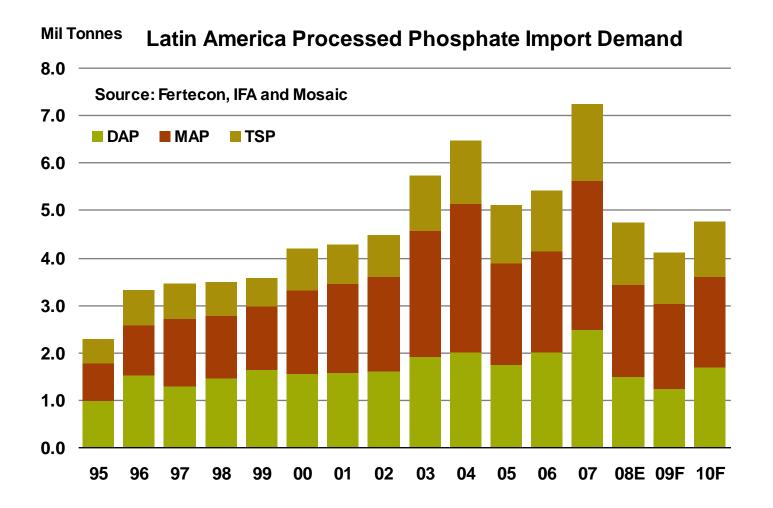
Global import demand projected to increase in 2010



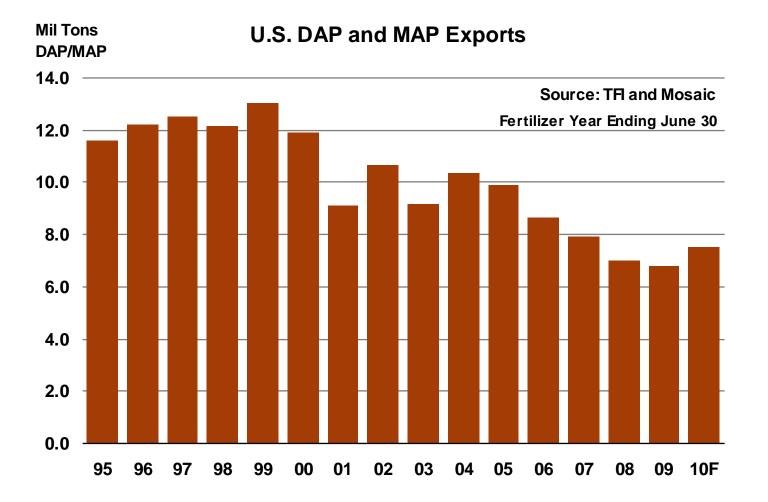
India: Record import demand



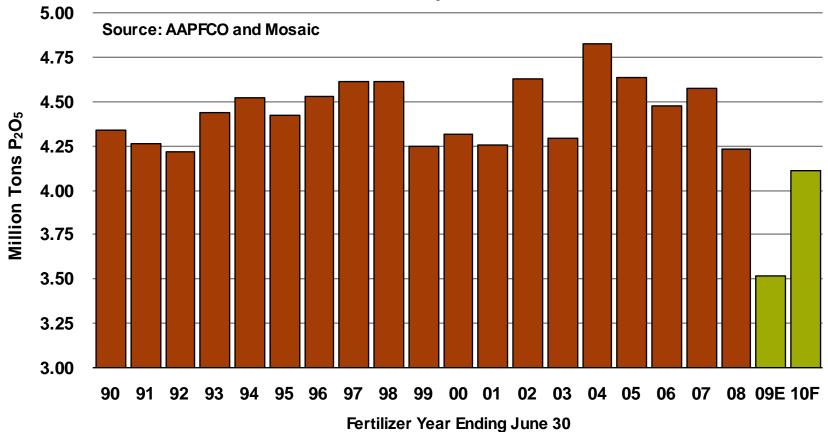
Latin America: Imports expected to rebound slightly



U.S. exports are projected to increase in 2009/10

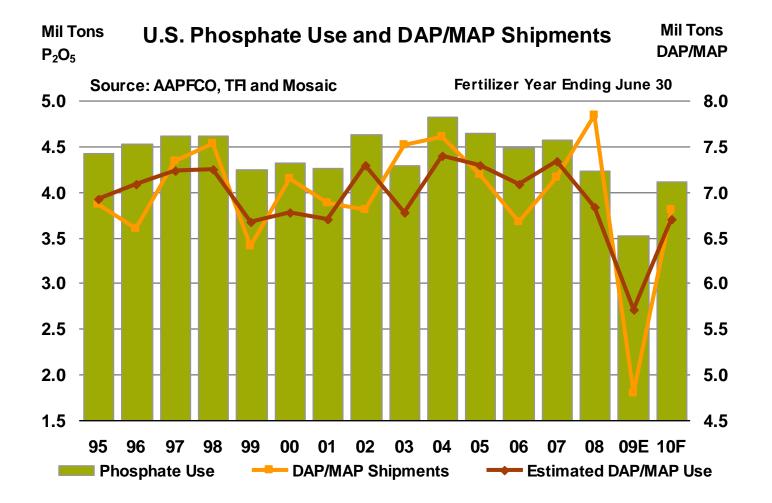


U.S. phosphate use forecast

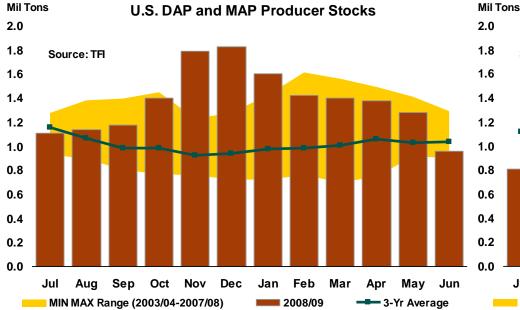


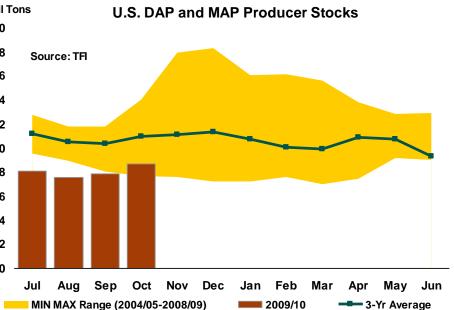
U.S. Phosphate Use

U.S. shipments are projected to rebound



Modest seasonal stock build followed by sharp drop is expected



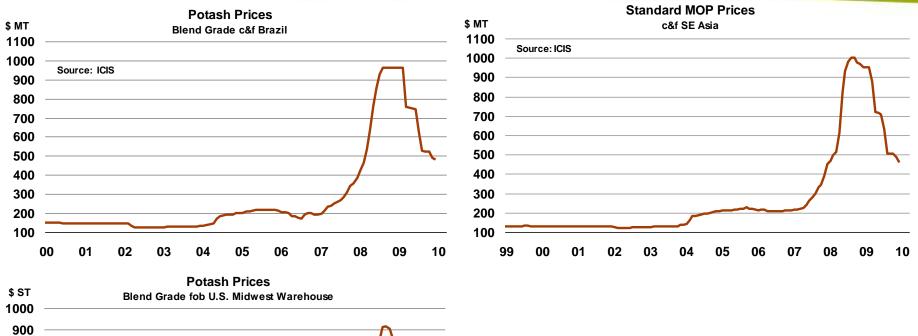


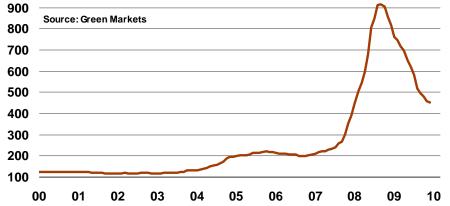
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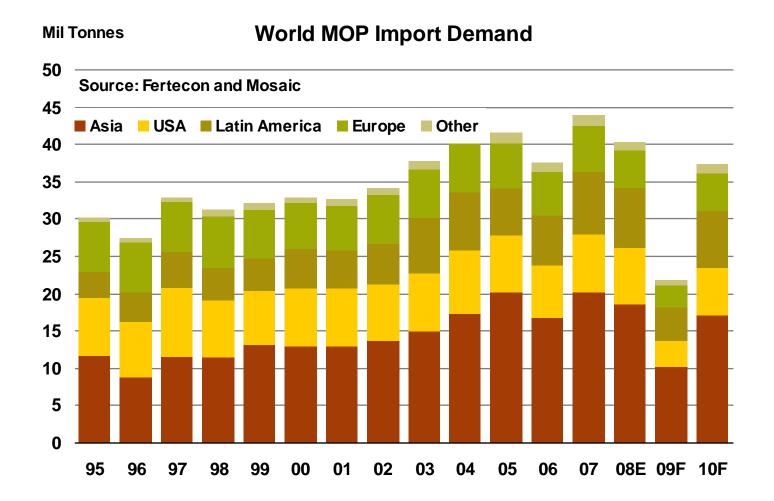
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Published spot prices remain soft on limited volume

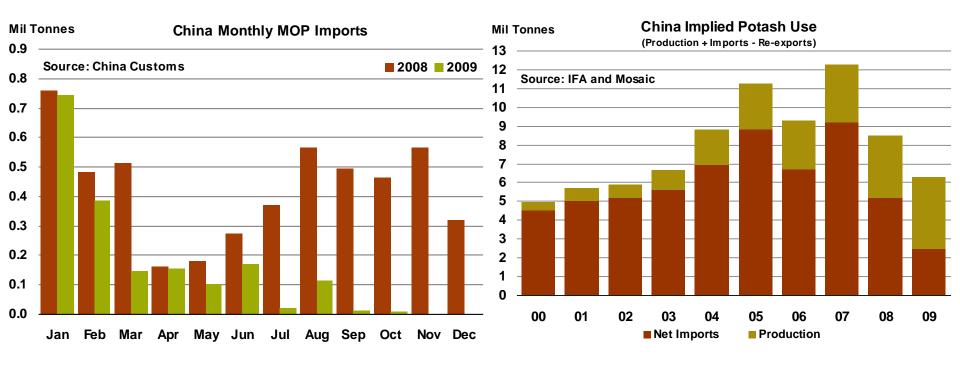




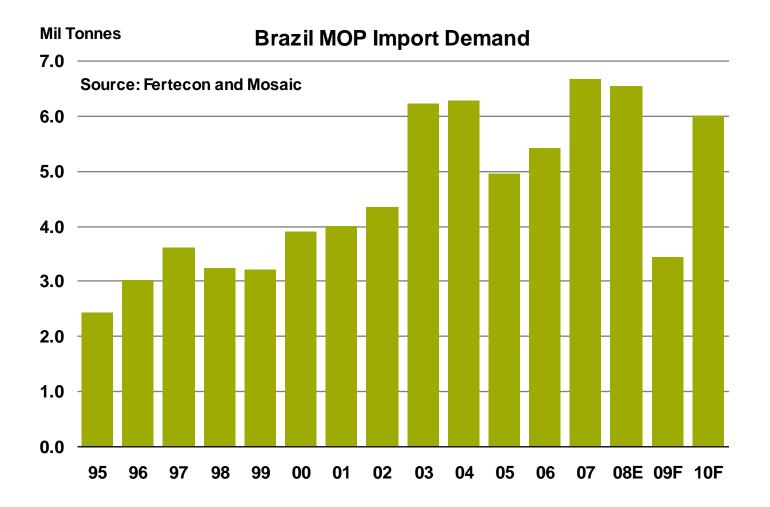
MOP trade is projected to rebound in 2010



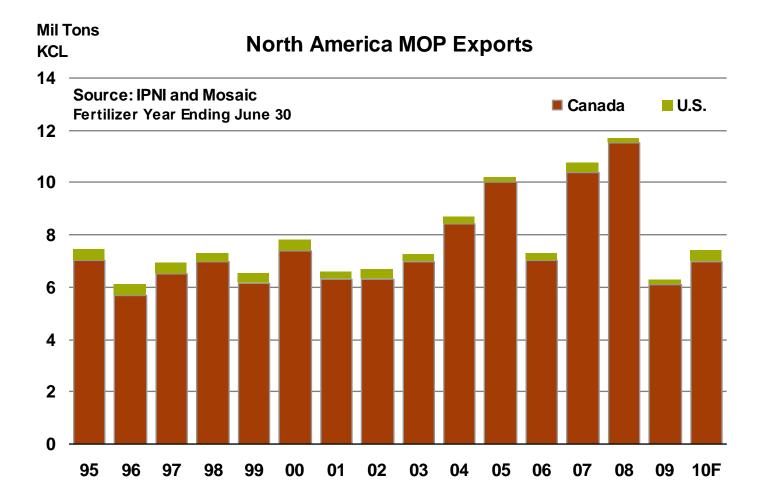
China's implied MOP use collapsed this year



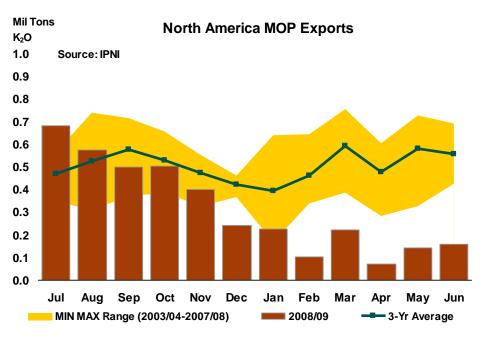
Brazilian imports are projected to rebound in 2010

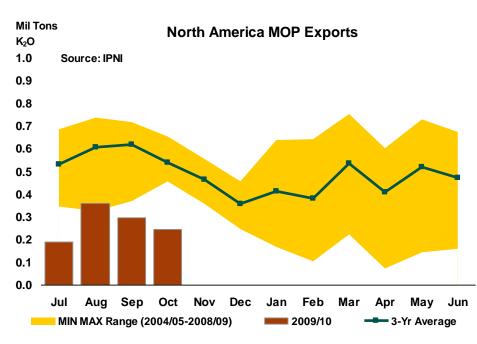


NA exports are expected to increase in 2009/10



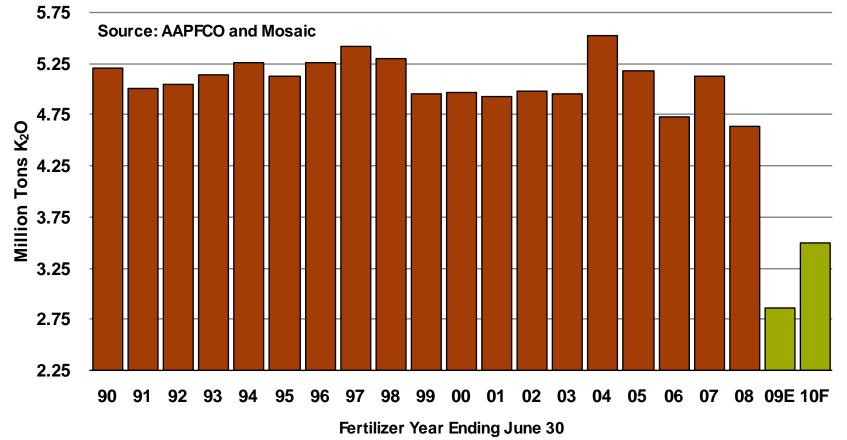
NA exports are expected to ramp up in 1H 2010



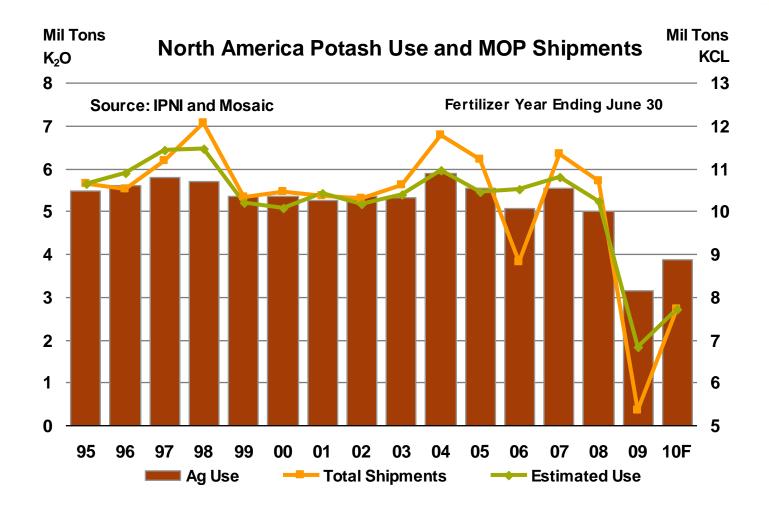


U.S. potash use forecast

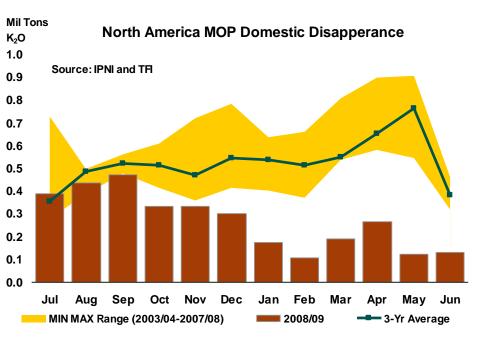


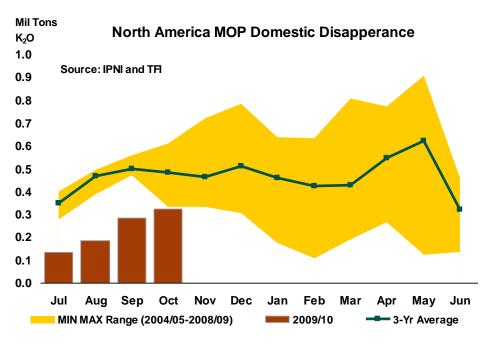


NA Potash Use and Shipments

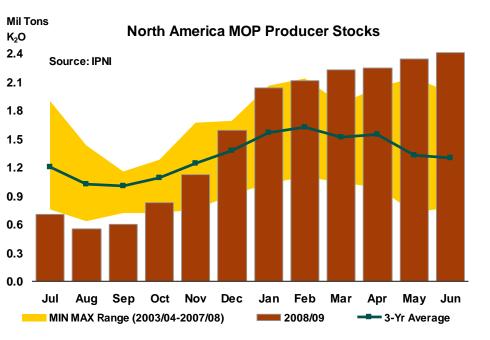


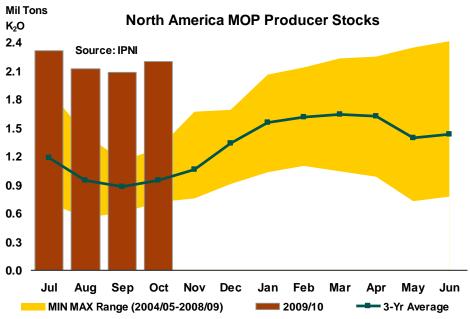
MOP shipments remain at low levels





Strong recovery needed to reduce producer stocks





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Factors to Watch – 2009/10

- Agricultural commodity prices and farm economics
 - ⇒ Weather during the next six months
 - ✓ Northern Hemisphere: crop size and fertilizer application window
 - ✓ Southern Hemisphere: size of 2010 crop -- especially in Brazil
 - ⇒ Oil prices and the demand for U.S. corn for ethanol production
 - ⇒ Impacts of stronger economic growth and lower prices on grain demand
 - ⇒ Behavior of hedge fund managers
- Macroeconomic environment

⇒ Exchange rates (impact of weaker dollar on crop nutrient imports and grain exports)
 ⇒ Improved credit availability

- Government policies
 - ⇒ Chinese phosphate export taxes and potash import policies
 - ⇒ Indian fertilizer subsidy reform
 - ⇒ U.S. ethanol maximum blending rate (EPA delayed ruling)
- The intangibles
 - ⇒ Price expectations and market sentiment
 - ⇒ More tightly controlled buying processes

Long Term Outlook

- Strong demand drivers still intact
 ⇒ Population and income growth
 ⇒ Further increases in grain-based biofuels production
- Demand growth requires supply increases
 - ⇒ Strong rebound of nutrient demand
 - ⇒ Existing facilities required to operate at more "normal" rates
 - ⇒ Few new projects/expansion in the near term
 - ✓ Still high capital and operating costs
 - ✓ Long lead times before production
 - ✓ Significant economic and political risk in some regions
- Key factors to watch
 - ⇒ Stabilization of the global financial system
 - ⇒ Global economic growth to fuel the food and energy demand story
 - ⇒ Timing of the startup of new capacity
 - \Rightarrow Government policies
 - ✓ Commitments to biofuels initiatives
 - ✓ Indian fertilizer subsidy
 - ✓ Chinese industrial and trade policies
 - ✓ Economic development policies elsewhere





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