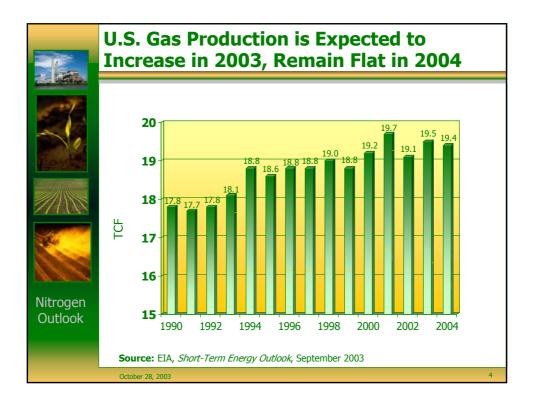
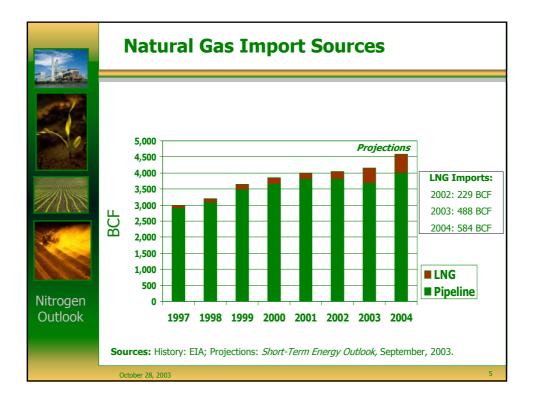
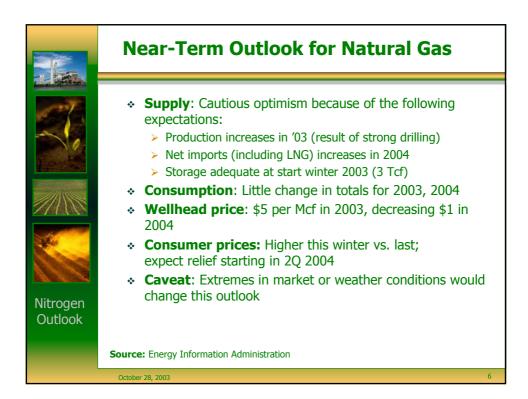


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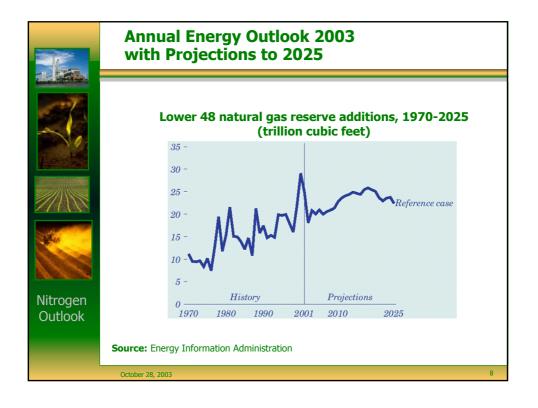
	U.S. Nitrogen Market
Image: Constraint of the second se	 Natural gas prices: still among the highest and most volatile in the world. FY 2002/2003 ending inventories of NH₃, UAN, and urea reached or set record low levels. Unless natural gas prices drop below \$3.50 for a consistent period the U.S. will set the floor on NH₃ world prices for the next 2-3 years. U.S. agricultural demand is stable while non-fertilizer nitrogen demand is increasing. Ammonia capacity will continue to diminish in the Gulf Coast area over the next 2-3 years due to natural gas pricing. In FY 2003/2004, records will be set on NH₃ and urea import levels.
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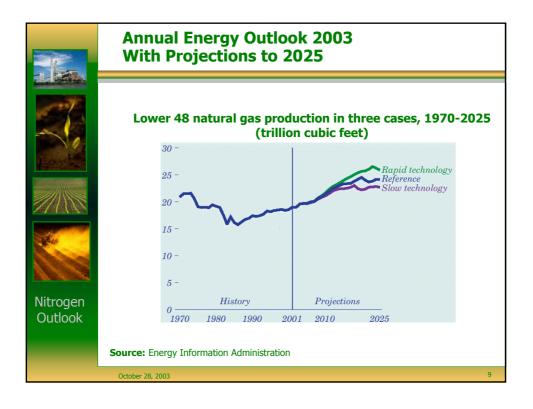


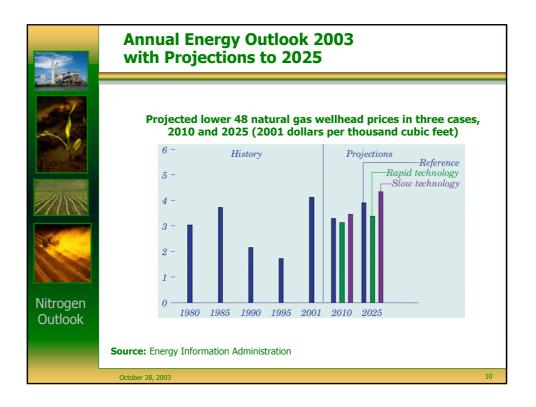


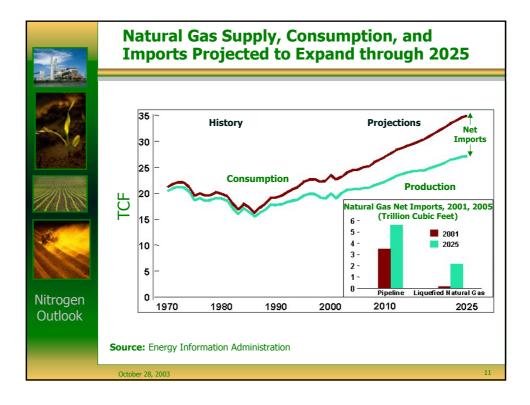


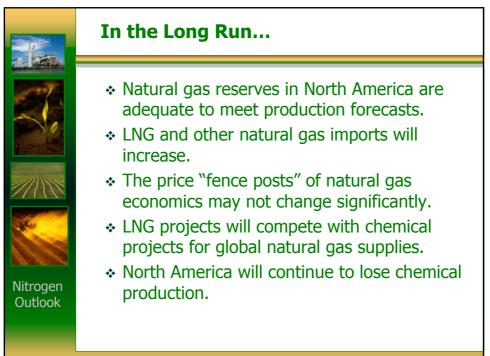
		S. To ove						у,			
	Decade	Year-0	Year-1	Year-2	Year-3	Year-4	Year-5	Year-6	Year-7	Year-8	Year-9
	1970s								207,413	208,033	200,997
	1980s	199,021	201,730	201,512	200,247	197,463	193,369	191,586	187,211	168,024	167,116
	1990s	169,346	167,062	165,015	162,415	163,837	165,146	166,474	167,223	164,041	167,406
State -	2000s	177,427	183,460								
	L										
Nitrogen Outlook											
	Source	: Energy	Informat	tion Adm	inistratio	n					
	October	28, 2003									7



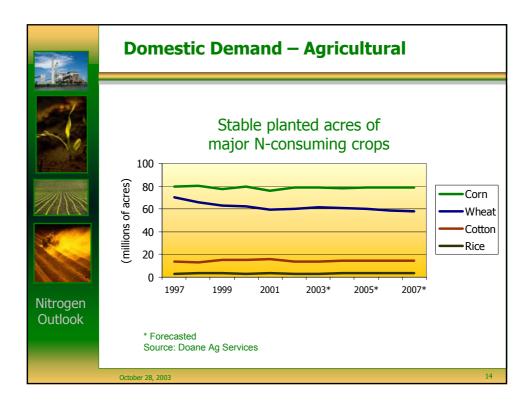


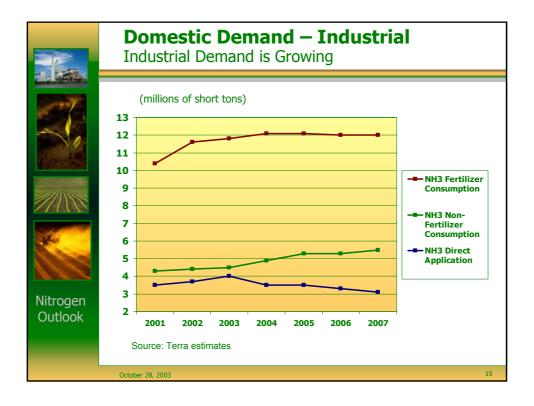


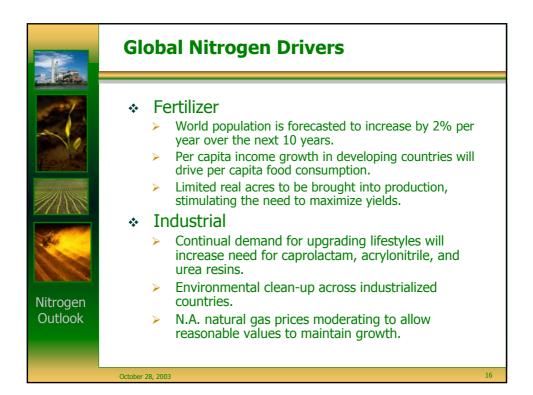


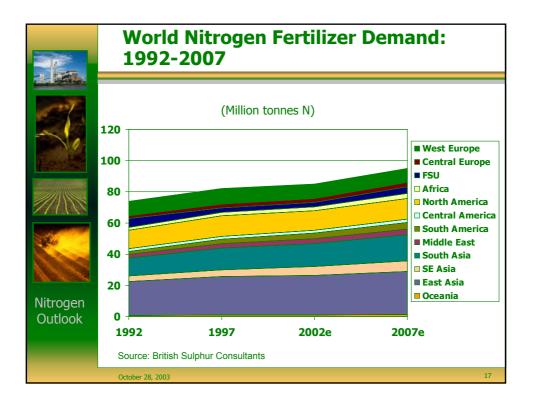


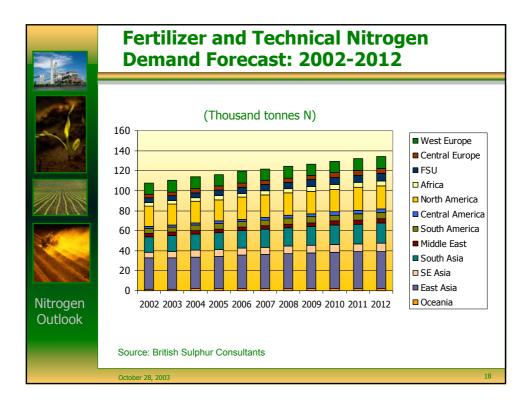
	Domestic	Demand		
	(million short tons)			
		Fertilize	er Year	
		2003/2004	2002/2003	Variance
	Ammonia	19.7	19.7	0
State -	Urea	8.9	8.4	.5
	UAN 32%	10.5	10.1	.4
Nitrogen Outlook				
	Source: Terra estim	ates		
	October 28, 2003			13











Ammonia Capacity Forecast by Region

Africa 4.7 5.6 8.4 3.7 North America 20.3 18.1 16.8 -3.5 Central America 6.0 7.2 8.5 2.5 South America 4.6 4.7 6.1 1.5 Middle East 8.0 13.8 17.4 9.4 South Asia 18.8 17.5 17.5 -1.3 SE Asia 7.4 8.8 12.0 4.6 East Asia 40.8 42.5 44.2 3.4			2002	2007	2012	Change 2002-2012
Central Europe 10.6 9.7 8.1 -2.5 FSU 25.3 25.6 26.9 1.6 Africa 4.7 5.6 8.4 3.7 North America 20.3 18.1 16.8 -3.5 Central America 6.0 7.2 8.5 2.5 South America 4.6 4.7 6.1 1.5 Middle East 8.0 13.8 17.4 9.4 South Asia 18.8 17.5 -1.3 SE Asia 7.4 8.8 12.0 4.6 East Asia 40.8 42.5 44.2 3.4		World Total	161.0	167.1	180.1	19.1
FSU 25.3 25.6 26.9 1.6 Africa 4.7 5.6 8.4 3.7 North America 20.3 18.1 16.8 -3.5 Central America 6.0 7.2 8.5 2.5 South America 4.6 4.7 6.1 1.5 Middle East 8.0 13.8 17.4 9.4 South Asia 18.8 17.5 17.5 -1.3 SE Asia 7.4 8.8 12.0 4.6 East Asia 40.8 42.5 44.2 3.4		West Europe	13.2	11.5	10.5	-2.7
Africa 4.7 5.6 8.4 3.7 North America 20.3 18.1 16.8 -3.5 Central America 6.0 7.2 8.5 2.5 South America 4.6 4.7 6.1 1.5 Middle East 8.0 13.8 17.4 9.4 South Asia 18.8 17.5 17.5 -1.3 SE Asia 7.4 8.8 12.0 4.6 East Asia 40.8 42.5 44.2 3.4		Central Europe	10.6	9.7	8.1	-2.5
North America 20.3 18.1 16.8 -3.5 Central America 6.0 7.2 8.5 2.5 South America 4.6 4.7 6.1 1.5 Middle East 8.0 13.8 17.4 9.4 South Asia 18.8 17.5 17.5 -1.3 SE Asia 7.4 8.8 12.0 4.6 East Asia 40.8 42.5 44.2 3.4		FSU	25.3	25.6	26.9	1.6
Central America 6.0 7.2 8.5 2.5 South America 4.6 4.7 6.1 1.5 Middle East 8.0 13.8 17.4 9.4 South Asia 18.8 17.5 17.5 -1.3 SE Asia 7.4 8.8 12.0 4.6 East Asia 40.8 42.5 44.2 3.4	7/1	Africa	4.7	5.6	8.4	3.7
South America 4.6 4.7 6.1 1.5 Middle East 8.0 13.8 17.4 9.4 South Asia 18.8 17.5 17.5 -1.3 SE Asia 7.4 8.8 12.0 4.6 East Asia 40.8 42.5 44.2 3.4		North America	20.3	18.1	16.8	-3.5
Middle East 8.0 13.8 17.4 9.4 South Asia 18.8 17.5 17.5 -1.3 SE Asia 7.4 8.8 12.0 4.6 East Asia 40.8 42.5 44.2 3.4	640	Central America	6.0	7.2	8.5	2.5
South Asia 18.8 17.5 17.5 -1.3 SE Asia 7.4 8.8 12.0 4.6 utlook East Asia 40.8 42.5 44.2 3.4	Carlos and	South America	4.6	4.7	6.1	1.5
SE Asia 7.4 8.8 12.0 4.6 utlook East Asia 40.8 42.5 44.2 3.4		Middle East	8.0	13.8	17.4	9.4
utlook East Asia 40.8 42.5 44.2 3.4		South Asia	18.8	17.5	17.5	-1.3
	trogen	SE Asia	7.4	8.8	12.0	4.6
Oceania 1.3 2.1 3.7 2.4	utlook	East Asia	40.8	42.5	44.2	3.4
		Oceania	1.3	2.1	3.7	2.4



World Ammonia Supply/Demand Balance

- mit		2003
	Operating Rate (%)	
	Ammonia Capacity	132
	Total Ammonia Require- ment	113
$//(\Lambda)$		
14	Y-on-Y Change in Capacity	-(
	Y-on-Y Change in Demand	2
Nitrogen Outlook	♦ Low > P	est revio

(Million tonnes N)										
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Operating Rate (%)	86	88	89	90	91	90	91	91	91	93
Ammonia Capacity	132.1	132.5	134.3	135.9	137.4	141.5	144.1	147.2	148.0	148.1
Total Ammonia Require- ment	113.5	116.4	119.3	122.2	124.9	127.7	130.2	132.8	135.2	137.5
Y-on-Y Change in Capacity	-0.3	0.4	1.8	1.6	1.5	4.1	2.6	3.1	0.7	0.2
Y-on-Y Change in Demand	2.8	3.0	2.8	2.9	2.7	2.7	2.5	2.6	2.4	2.4

Lowest operating rates:

Previously FSU

> Changing to North America and Western Europe

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Source: British Sulphur Consultants

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	Conclusions
Image: Constraint of the second se	 Domestic demand growth will be driven by industrial applications, with agricultural demand stable. Global nitrogen demand should continue to increase about 2%/year. Planned global capacity additions should support but not exceed expected demand growth. North American natural gas supply can support a domestic industry well into the future. LNG will compete with feedstock chemicals for capital and inexpensive natural gas. North American stand-alone ammonia and urea plants directly competing with imports will likely close in the near- to medium-term. Logistically and product-advantaged North American plants likely have a good future.
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