

SECTOR REPORTS

Fertilizer

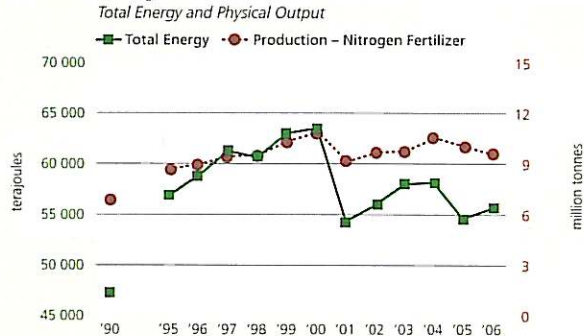


Profile Canada's fertilizer industry is one of the world's major producers and exporters of nitrogen, potash and sulphur fertilizers.

Highlights

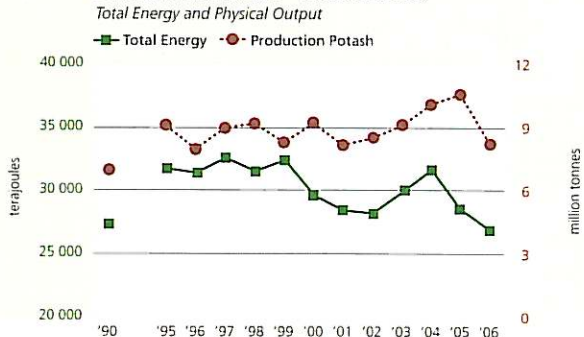
- The Canadian fertilizer sector ranks among the lowest GHG emitters per unit of fertilizer output in the world.
- Gross nitrogen fertilizer production increased from 6.8 million t in 1990 to 9.5 million t in 2006.
- Natural gas and other fuel sources used for production of nitrogenous fertilizer totalled 55 698 TJ in 2006 compared with 47 186 TJ in 1990. This is an improvement in energy intensity of approximately 15.2 percent.
- The energy intensity of nitrogen fertilizers was 5.87 in 2006, up from 5.48 in 2005. This change is the result of a relative decrease in the production of less energy-intensive products (urea and ammonium nitrate) and an increase in the production of more energy-intensive products, such as ammonia.
- The potash production level in 2006 was 8.3 million t, which is an increase of 18.7 percent since 1990.
- For potash production, energy intensity improved by an average of more than 1 percent annually since 1990.
- Between 2005 and 2006, potash production decreased 22 percent and the energy-intensity index for potash production increased 20 percent.

Nitrogenous Fertilizer Sector – NAICS 325313



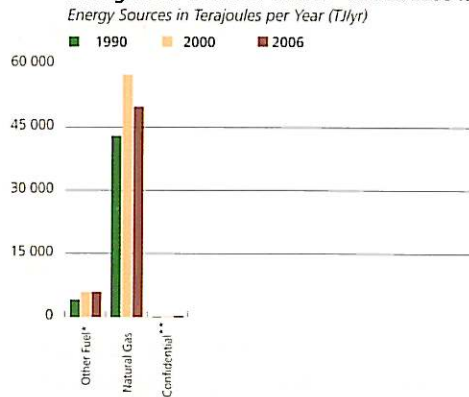
Data source: Canadian Fertilizer Institute (CFI), 1990, 1999–2006, November 2007; Canadian Fertilizer Institute (CFI), 1995–1998, March 2006.

Potash Mines Sector – NAICS 212396



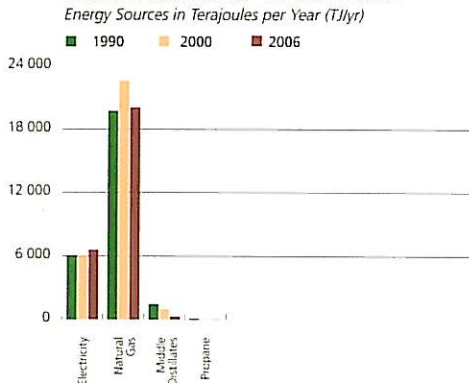
Data source: Canadian Industrial Energy End-Use Data and Analysis Centre (CIEEDAC), Development of Energy Intensity Indicators for Canadian Industry 1990–2006; Simon Fraser University, March 2007.

Nitrogenous Fertilizer Sector – NAICS 325313



*Other fuel includes Electricity, LFO (Middle Distillates) and LPG (Propane).
 **Confidential includes HFO (heavy fuel oil) and Steam.
 Data source: Natural Gas – 1990, 1999–2006, Canadian Fertilizer Institute, November 2007; Natural Gas – 1995–1998, Canadian Fertilizer Institute, March 2006; Other Fuels 1990–2005, Canadian Industrial Energy End-Use Data and Analysis Centre (CIEEDAC), Development of Energy Intensity Indicators for Canadian Industry 1990–2006, Simon Fraser University, March 2007.

Potash Mines Sector – NAICS 212396



Data source: Canadian Industrial Energy End-Use Data and Analysis Centre (CIEEDAC), Development of Energy Intensity Indicators for Canadian Industry 1990–2006, Simon Fraser University, March 2007.