



# Biofuels Done Right

Pierre Bull  
Farm to Fuel Summit  
Orlando, FL  
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## “Verbatim” *Time* Magazine, Aug 3, 2009 Issue

**“We completely understand the public’s concern about futuristic robots feeding on the human population, but that is not our mission.”**

*Harry Schoell, CEO of Cyclone Power Technologies, attempting to dispel fears regarding the company’s plans to produce steam-powered, biomass-eating robots commissioned by the Pentagon.*

# This Month (July 2009) in *Science*

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- Tilman, D., et al., “Beneficial Biofuels—The Food, Energy, and Environment Trilemma”
- Positively impacting four objectives underpins any/all biofuels policies:
  1. Energy security
  2. Greenhouse gas emissions
  3. Biodiversity
  4. Sustainability of the food supply

# Safeguarding Our Environment

- Renewables Fuel Standard (2007 EISA)
  - Wildlife Safeguards
  - Public Forest Safeguards
  - Global Warming Safeguards
- Waxman-Markey Climate Bill (ACES 2009)
  - \*Renewable Electricity Standard



# Accounting for GHG's

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- EPA's GHG draft performance standards
- CA Air Resources Board (CARB) Low-Carbon Fuel Standard development
- \*Indirect Land-Use Change
- \*Long-term GHG Emissions

# Carbon Capture & Storage

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- Carbon market will open new funding opportunities for marginal lands set-aside to sequester carbon in soils and trees
- New opportunities for Ammonia-based fertilizer and ethanol production facilities to do CCS.