

**Woody Crops (Perennials 1)**  
**(Focus Questions for Day 1 - 2012 Goal)**

**Scope:** Determine how the Woody Crops Pathway can produce cost-competitive biofuels by 2012.

**Deliverables:** Identify within the pathway, the most likely scenario for production of cost-competitive biofuels by 2012. Define cost-competitive for these fuels and outline a strategy (R&D, policy, infrastructure) for achieving the cost target within the 2012 timeframe.

**Questions:**

Pathway Strategy:

- Does OBP's Woody Crops Pathway diagram accurately portray the process?
  - What are the various processing options (and the fuel produced) leading to fuel production within this pathway?
  - Which of the identified paths are the most likely scenarios for the production of cost-competitive biofuels in the 2012 timeframe?
- How would you define cost-competitiveness of biofuels produced from this pathway?
- Can biofuels produced by this pathway meet the cost-competitive goal by 2012? If not, what is an appropriate timeframe?

Pathway Development:

- Which woody crop species has the best potential for producing cost competitive transportation fuels?
- What barriers need to overcome these barriers for the pathway to reach its potential (e.g., financial, feedstocks, environmental, conversion, market and infrastructure)?
  - What should the federal and industry role be in overcoming these barriers?
  - What are the nutrients and water input requirements for making fuel from short rotation woody biomass?
  - What are the geographic limitations for short rotation feedstocks?
- What R&D activities are needed for the pathway to reach its potential?
  - Which of the identified R&D activities are the most critical?
  - Which of the following potential DOE funding opportunities would best help the pathway meet its R&D targets/needs:
    - RD&D grants;
    - Loan guarantee program;
    - Commercialization demonstrations;
    - 10 percent commercial validation funding;
    - Other suggestions?
- Identify potential and existing policies that would enable this pathway to meet the targets and overcome the barriers identified.