

# Winter Crops for Bioenergy and More

## Penn State Bioenergy Short Course Series 2011

Central Pennsylvania Convention and Visitors Bureau  
800 East Park Avenue, State College, PA  
29 March 2011

### OVERVIEW:

Winter crops such as small grains, brassicas, and other cover crops have considerable potential as resources for increasing the potential yields from cropping systems and providing more potential resources for bioenergy, feed, or other value added products. Markets are developing in the region for several of these key crops. These crops can also play an important role in reducing soil erosion, building soil quality and increasing the diversity of our cropping systems. Capitalizing on winter crop potential, however, requires a clear understanding of the economic potential of the crop and potential co-products, the labor and management associated with double cropping, the impact on subsequent crops, the potential impacts of the crop on soil and environmental issues and any associated economic benefits from these impacts. For

further information, visit the event website at [www.bioenergy.psu.edu/news/shortcourses.asp](http://www.bioenergy.psu.edu/news/shortcourses.asp)

### WHO SHOULD ATTEND:.

The workshop is intended for agronomists, crop producers, non-profit and government agency professionals who wish to increase their understanding of the potential of winter crops in our region. Project developers, public officials and policymakers are encouraged to attend as well.

### SPEAKERS:

We are pleased to have some leading industry, academic and government experts in the region who have been working in this arena joining us for this event. This is an excellent opportunity to increase your understanding of the opportunities and challenges for winter crops in the mid-Atlantic region. Speakers include:

- Bill Scruggs, Osage Ethanol
- Tom Richard, Penn State Institutes of Energy and the Environment
- Joel Hunter, Penn State Coop. Extension, Crawford County
- Paul Adler, USDA-ARS
- Greg Roth, Department of Crop and Soil Sciences, Penn State
- Don Rill and Doug Schaufler Farm Operations, Penn State



### PROGRAM TOPICS:

- Rationale of Winter Crops
- Double Crops for Bioenergy
- Winter Barley: A New Ethanol Feedstock
- Winter Canola
  - On-Farm Feed and Fuel Potential
- Camelina
  - A Winter or Double Crop with New Market Opportunities
- Producer Panel: Opportunities and Challenges with Winter Crops
- Environmental Benefits of Winter Crops
- Challenges and Research Needs

Jointly sponsored by Penn State Biomass Energy Center

### REGISTRATION:

Register online at

<http://www.bioenergy.psu.edu/news/shortcourses.asp>

Early registration fee is \$35.00 per person. After March 18 the price jumps to \$45.00. Registrations close March 25.

For further information contact

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