



# On Farm Pellet Production Workshop

## Grass Facts

- Grass pellets have been used in Europe for decades
- On farm pellet production eliminated the need for expensive raw material transportation
- The average home will use 4 to 6 tons of pellets
- It takes 20 years to grow a tree and about 70 days to grow a field of grass
- Wood pellets have 1% ash grass pellets have 4+% ash
- Wood pellets have about 8500 btu / lb
- Grass pellets have about 8000 btu / lb
- Grass pellets burn best in a multi-fuel stove
- Weeds make fine biomass pellets
- Grass pellets are CO2 neutral
- Grass pellet conversion efficiency for energy out: energy in is estimated at 14:1
- Ash content can be reduced by allowing the raw material to leach in the field for a week or two
- Both Potassium and chlorine in grass are Water-soluble and can be washed away by leaching
- Grass pellet production is more of an art than a science

## Learn About:

- the advantages of grass pellets
- the best materials to use for grass pellets
- harvesting methods for grass pellet raw material
- making grass pellets
- the equipment required
- funding equipment purchase
- how RC&D can help
- advantages of on farm production
- equipment sources
- how to test for pellet density
- how to test for pellet moisture
- how to select the proper stove
- what holds the pellets together
- types of safety equipment recommended
- type of pellet mills
- handy hand tools
- the effects of material size
- the effects of material moisture



### Rain or Shine

### Workshop Schedule and Locations

### Rain or Shine

**Columbia Conservation District** 7/16/2016  
702 Sawmill Road, Bloomsburg, PA 17815

**Nescopeck State Park** 7/23/2016  
1137 Honey Hole Rd, Drums, PA 18222

**Schuylkill Conservation District** 8/10/2016  
1206 Ag Center Drive, Pottsville, PA 17901

**Hillside Farm** 8/13/2016  
65 Hillside Rd, Shavertown, PA 18708

**Lackawanna Conservation District** 8/17/2016  
1038 Montdale Rd, Scott Twp., PA 18447

**Monroe Conservation District** 8/24/2016  
8050 Running Valley Rd, Stroudsburg, PA 18360

**Northumberland Conservation. District** 8/27/2016  
441 Plum Creek Road, Sunbury, PA 17801

**Wayne County Conservation District** 9/10/2016  
648 Park Street, Honesdale, PA 18431

**Carbon County Environment. Ed. Center** 9/17/2016  
151 E White Bear Dr, Summit Hill, PA 18250

**One additional location – watch [www.pnercd.org](http://www.pnercd.org)**

**2 sessions at each location- 10 am or 1 pm**

**Register online at [www.pnercd.org](http://www.pnercd.org) or  
Call 570-379-2971**