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Tennessee State Fair Goes Back to Its Roots with Green Initiative
Exclusive Machine Will Turn Manure into Power for Midway

NASHVILLE, Tenn., May 21, 2009 – The Tennessee State Fair, which started in 1869 as a way for farmers to showcase agricultural initiatives, will once again be focused on Tennesseans’ connection to the earth and its vast resources when it opens its gates this September in Nashville.

The green initiative will highlight green jobs and green technology through innovations in agriculture.

“The State Seal reveals the foundation that the agriculture sector provides to Tennessee,” said Mr. Lacey Upchurch, President of Tennessee Farm Bureau. “Agriculture continues as a leading industry in the State. A part of Tennessee’s future is in bio-fuels, bio-mass and bio-technology. The Tennessee Farm Bureau is proud to be a part of this unprecedented showcase of agricultural assets at the 2009 Tennessee State Fair.”

The fair’s major environmental initiative is centered on the exclusive MBOP (Mobile Bio Oil Plant) machine, which will power the Midway with the manure, bedding, straw, hay and switch grass collected during the fair’s run.

The MBOP is capable of processing 24 dry tons of material per day, and is expected to output 30,000 gallons of bio oil throughout the 10-day fair. The bio oil can then be used in four different ways to power/support the fair by providing green energy:

1. In its pure form, the bio oil can be sold at approximately \$.95 per gallon (a 60 percent discount) to local hospitals and universities for use in boilers and burners for a cleaner burn.
2. Mixed with methanol, the bio oil will be used to power the Midway generators throughout the fair’s run.

3. Blended with petrol diesel, the bio oil will be used to power the tractors, backhoes and other service vehicles needed for the fair.
4. A by-product from the bio oil will be approximately 70 tons of biochar, which will be tested by local universities as a mineral rich natural growing agent and given to fair goers for their use.

The environmental initiative is supported by many of both the Mayor Dean's Green Ribbon Committee and the Governor's Alternative Fuel Task Force Committee members created to ensure that Nashville and Tennessee as a whole continue to explore all of the ways to become more sustainable allowing green jobs to become more plentiful.

Having worked with both committees, Dave Pelton reiterates, "Green jobs are common sense jobs; the kind of work that pushes an economy forward without pushing the environment backward. Tennessee has an opportunity to expand its job base in a positive, lasting way while supporting the existing agricultural, industrial and technological sectors."

"The Tennessee State Fair is home to some of the country's largest livestock competitions, so there is no shortage of manure," said Chrysty Fortner, director of marketing for the Tennessee State Fairgrounds. "With the MBOP machine, the State Fair can harness the power of that manure and other materials from the fair to subsidize our fuel consumption by powering the Midway and running our heavy equipment. We hope this cutting-edge green technology will inspire the state's agricultural community as well as everyday Tennessee families who want to positively affect their environment. It's a risky endeavor in that it is an unprecedented experiment, but I'm one who would rather try and fail than not try at all."

The MBOP machine will be the centerpiece of the fair's "Green" Energy Expo, a fair-within-a-fair dedicated to green technology and green living. The Expo will also walk attendees through the processes associated with other sustainable initiatives at the 2009 fair, including cardboard recycling, plastic collection and recycling, paper collection and recycling, food waste composting and used cooking oil recycling. Sponsors and stakeholders alike will benefit from the exposure of green and sustainable technologies being shown to the quarter of a million attendees.

In addition, the Expo will feature leaders in sustainability from the State Departments of Energy, Agriculture, Tourism, Economic Development, Environment and Conservation, Transportation as well as Metro Water Services, General Services, Fleet Management and Public Works. Students from MTSU, Tennessee Tech, Vanderbilt, UT-Knoxville and Lipscomb will also be on hand to demonstrate the latest in sustainability and renewable energy, and explain how Tennessee families can get involved.

"We are encouraged by the emphasis on sustainability at this year's Tennessee State Fair," said Tennessee Department of Environment and Conservation Commissioner Jim Fyke. "Fair goers will benefit from being able to experience a variety of innovative technologies that support great energy efficiency and the use of clean, renewable power on the farm and in their neighborhood."

"Our vision for this year's fair is to ignite conversations, energize and engage Tennesseans, and ultimately showcase ideas that move us closer to environmental sustainability," said Fortner. "The MBOP machine and the Green Energy Expo are huge leaps forward."

The Tennessee State Fair, September 11-20, 2009

The Tennessee State Fair boasts a partnership with the world's largest midway company, North American Midway, to bring the absolute best in rides and entertainment to the families of Tennessee. In addition to the Midway, families can experience the second largest goat competition in the United States, one of the largest cattle competitions in Tennessee, payouts of more than \$200,000 to competitors, fun for little ones in Kid's Country, nostalgia in Volunteer Village, family fun in the Game Hype Experience and remarkable green technologies such as the exclusive MBOP machine. The Tennessee State Fair is home of the Deep Fried Goo Goo! Come make memories with us.

For more information on the fair, please visit the all new website at www.tennesseestatefair.org. You can also follow the fair on Twitter at <http://twitter.com/TNStateFair> and on Facebook through the Tennessee State Fair public profile page <http://www.facebook.com/group.php?gid=57616671453>.

Tennessee's Agricultural Contribution (ranked out of 50 states):

<u>Commodity</u>	<u>Rank</u>
Hardwood products	2
Equine	2
Meat Goats	2
Tobacco	2
Snap Beans	2
Beef Cow operations	4
Other Hay Production	4
Cotton	6
Number of farms	4

Davidson County's Agricultural Contribution (ranked out of 95 counties):

<u>Commodity</u>	<u>Rank</u>
Colonies of bees	13
Sod harvested	9
Nursery stock	16
Cut Christmas trees	7
Vegetables harvested	21

<u>Land</u>	<u>Stats</u>
Number of Farms	515
Land in Farms	41,353 ac
Cropland	42%
Woodland	26%
Pasture	28%
Other	4%
Average Size Farm	80 ac
Crops	80%

Livestock 29%
 Farm to County Acreage 12%

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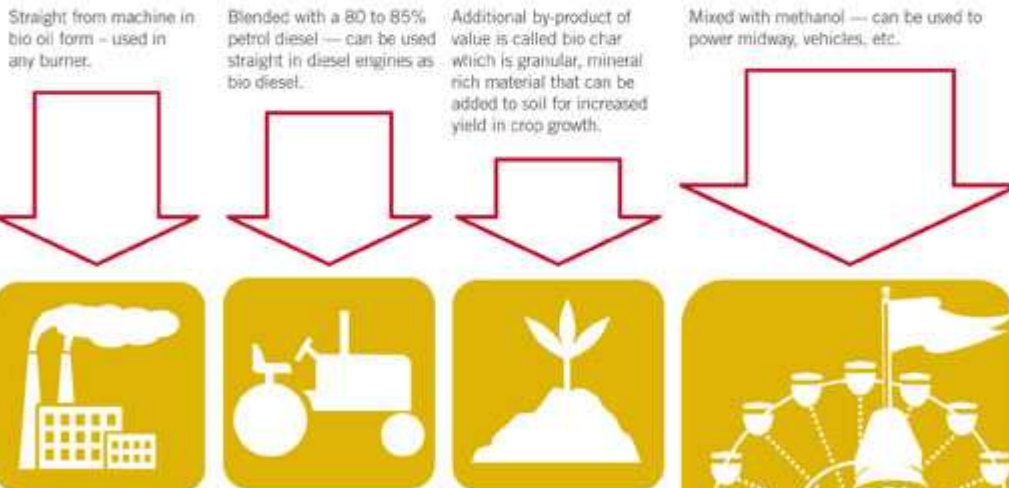
MBOP

MOBILE BIO OIL PLANT
 EXHIBIT & EDUCATION

Manure, bedding, straw, hay, corn stover & switch grass to be loaded into MBOP machine during Fair. The MBOP is capable of processing 24 dry tons per day, 20% moisture maximum goal. Output of bio oil estimated at 3,000 gallons per day. We currently generate 500 tons of bedding waste during the 10-day fair.



POSSIBLE USES OF THE MBOP DERIVATIVE:



Other sustainable initiatives at the 2009 TN State Fair:

1. Cardboard recycling (currently in process)
2. Plastic collection and recycling
3. Food waste composting (still working on a solution for food waste)
4. Used cooking oil recycling
 - On-site bio diesel machine to create true bio diesel with methanol and lye
 - Fuel to power tractors, generators, service vehicles, heavy equipment, etc