(Continued from other side)

Additional Speakers:

Wind and Solar at Sylvan Nursery
JIM MCBRATNEY, Sylvan Nursery, South Westport

State Funding Opportunities for Renewable Energy
A Representative from Massachusetts Technology Collaborative's Renewable Energy Trust

Small Wind Turbines for Farms and Greenhouses
MARK HOWLAND, The Wind Technology Co., E. Freetown

Getting Started, Getting Funded, Getting Power
DON CAMPBELL, Consultant, Donald Campbell Associates, Northfield

FIELD CORN BIOMASS FOR HEATING GREENHOUSES

WEDNESDAY, OCTOBER 4, 2006, 3:00–6:00pm
Kosinski Farm, Westfield Host: MIKE KOSINSKI

Kosinski Farm grows 140 acres of blueberries, apples, grain corn, vegetables, and tobacco. Five greenhouses provide flower and vegetable plants for retail sales at their farmstand and use in the field. Blueberries, apples, and butternut squash are major wholesale crops.

Mike began growing corn to heat one of his greenhouses three years ago and has been expanding his production and use of corn for heat each year. This year he installed two larger furnaces with automated auger stoking systems. Field corn fits well into his vegetable rotation. The corn is dried off-site and trucked back to the farm. His production costs are about $60-$65 per ton of corn, which is about one-third of the cost of heating oil ($2.45 per gal.) based on current energy costs per BTU.

Additional Speakers:

Cutting Energy Costs with Renewable Energy
ROB RIZZO, Mt. Wachusett Community College, Gardner

Rob helped Mt Wachusett install a variety of renewable energy sources including wood chips, wind, and solar power, and has saved 3,500,000 kWh electricity at the college each year.

Growing and Selling Corn for Energy Use
BILL LLEWELYN, Five Point Farm, Northfield

Bill grows and sells corn for energy use. Last season he harvested 1,000 tons of corn.

Thoughts on Benefits of Burning Corn
CHRISTINE SERRENTINO, Field to Table, S. Deerfield

Christine has been burning corn to heat her home for 10 years and will discuss her experiences.

Getting Started, Getting Funded, Getting Power
DON CAMPBELL, Consultant, Donald Campbell Associates, Northfield

Don will talk about the process of fitting a farm's needs to the types of renewable energy systems currently available.

DIRECTIONS

RIVERLAND FARM, Route 47, Sunderland

From the south on I-91

Take exit 24, turn right at the end of the ramp, then right again at the light onto Route 116. Go about 3 miles, through one light, over the bridge, and into Sunderland center. Turn right at the light in Sunderland center onto Route 47 South. Go about 1 mile and you'll see the farmstand on the right.

From the north on I-91

Take exit 25, turn left at the end of the ramp, right at the light onto Routes 5&10. Go about 1 mile, past one light and turn left at the next light onto Route 116. Go about 3 miles, through the one light, over the bridge, and into Sunderland center. Turn right at the light in Sunderland center onto Route 47, south. Go south about 1 mile and you'll see the farmstand on the right.

LION SPRING FARM, 236 Dedham Street, Dover

From the west

Take I-90 East and take Exit #14 onto I-95 (Route128) South toward South Shore. Go 4.1 mi. Take exit #19B/Highland Avenue onto Highland Avenue toward Needham. Go 1.7 mile and bear right onto Chapel Street. Go 0.2 miles. Chapel Street becomes Chestnut Street. Go 1.6 miles. Continue on Dedham Street. Go 0.8 miles. Arrive at the farm (on the right.)

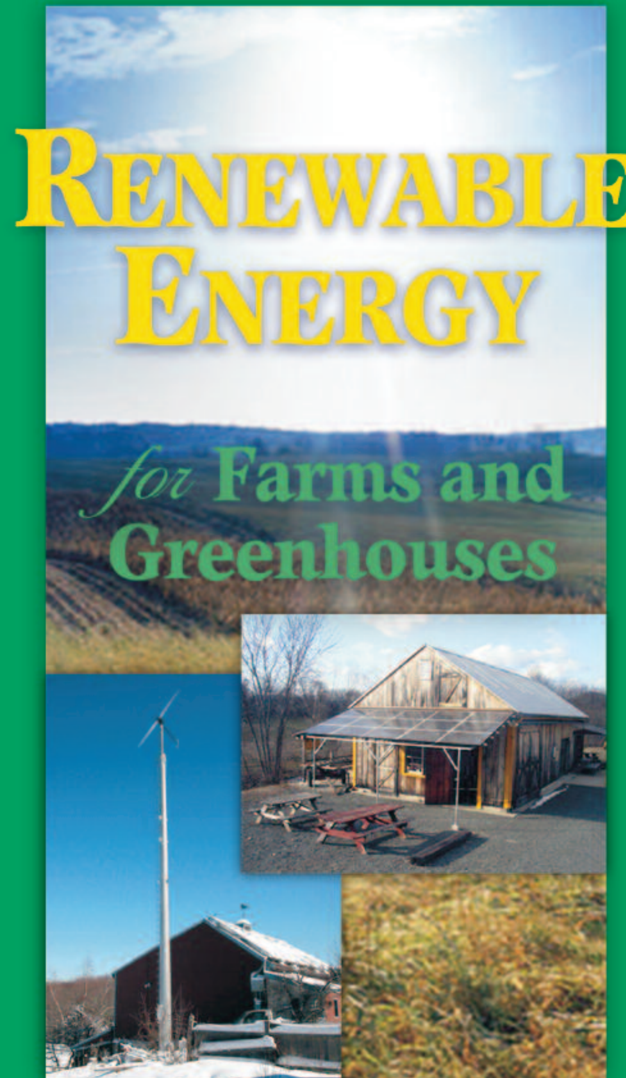
KOSINSKI FARM, 336 Russellville Road, Westfield

From the north or south

Take I-91 to the Route 202 (Holyoke) exit. Follow 202 west into Westfield. At the junction of 10 and 202 go straight on North Road. In one mile you will see the Kosinski farm stand, at the intersection with Russellville Road.

From the east or west

Take I-90 (Mass Pike) to the Westfield exit. Go Left off the ramp on Route 10 East/Route 202 North. At the second traffic light go left on North Road. Follow one mile to the farm stand at the intersection of Russellville Road.



A Series of Twilight Meetings

SOLAR ENERGY
July 26

WIND ENERGY
September 7

HEATING WITH BIOMASS
October 4

Renewable Energy *for* Farms and Greenhouses

A Series of Twilight Meetings

REGISTRATION FORM

NAME

FARM/COMPANY

ADDRESS

TOWN /STATE /ZIP

DAYTIME PHONE NUMBER

FAX NUMBER

E-MAIL

Please write in the number planning to attend each session to left of each workshop. Multiply number of attendees by $20 and enter subtotal to right of each workshop (or for those with more than one attending per farm business, simply write in $35.) Add subtotals and write in total at bottom.

Solar Energy

____ JULY 26, Riverland Farm, Sunderland

(# attendees x $20 or 1x$35 per farm business) = ________

Wind and Solar Energy

____ SEPTEMBER 7, Lion Spring Farm, Dover

(# attendees x $20 or 1x$35 per farm business) = ________

Field Corn Biomass for Heating Greenhouses

____ OCTOBER 4, Kosinski Farm, Westfield

(# attendees x $20 or 1x$35 per farm business) = ________

TOTAL ENCLOSED ____________

Mail to: **ENERGY TWILIGHT MEETINGS**
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University of Massachusetts, Amherst, MA 01003

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www.umass.edu/umext/floriculture/

Renewable Energy *for* Farms and Greenhouses

A Series of Twilight Meetings

Held RAIN or SHINE!

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800-901-2616 www.bioquantum.net

Solar Energy

WEDNESDAY, JULY 26, 2006, 4:00–7:00pm
Riverland Farm, Sunderland Host: SCOTT REED

Riverland Farm grows 11 acres of organic vegetables and U-pick cut flowers on the banks of the Connecticut River in Sunderland. Most of their produce is sold to the public at their farmstand and to members who come each week to pick up harvest shares at Riverland's CSA (Community Supported Agriculture) distribution. This past winter, Riverland installed solar panels (photovoltaic modules, also known as PV) as an awning to generate solar electricity to power their coolers and farmstand, as well as to provide a dry, shady area for customers. Other local farmers will be present to discuss their use of PV to power remote water stations, electric fences, and drip irrigation.

Additional Speakers:

About the Installation Process

MIKE KOCSMIERSKY, Kosmo Solar

Mike installed the system and will share his expertise.

Using a Solar Electric System to Power Drip Irrigation

BRUCE HOWDEN, Howden Farm, Sheffield

Howden Farm currently uses a 1.1 kilowatt solar electric system, linked to the power grid, to pump water for drip irrigation for fruits and vegetables on their farm.

Using Solar Power to Pump Water and for Electric Fencing

ELIZABETH SMITH, Caretaker Farm, Williamstown

Caretaker Farm uses stand-alone solar power systems to pump water for their livestock and to supply power for electric fencing.

Getting Started, Getting Funded, Getting Power

RUTH DINERMAN, Center for Ecological Technology (CET), Northampton and Pittsfield
DON CAMPBELL, Consultant, Donald Campbell Associates, Northfield

Ruth will talk about resources such as utility programs, financing, and tax incentives for renewable energy. Don will talk about the process of fitting a farm's need to the types of renewable energy systems currently available including solar hot air systems to supplement heating needs.

Wind and Solar Energy

THURSDAY, SEPTEMBER 7, 2006, 3:00–6:00pm
Lion Spring Farm, Dover Host: BOB LOEBELENZ

Lion Spring farm is a small, diversified farm that breeds Massachusetts Thoroughbred horses. The farm also grows vegetables and herbs for local gourmet restaurants and keeps chickens to supply farm fresh eggs for retail sales. On site there is a 4.8 kilowatt photovoltaic system and 3.1 kilowatt wind turbine, both feeding a battery bank.

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