

# GYF JANUARY NEWS

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## PYFA WINTER CONVENTION

**FEB. 7-9, 2012**

**BEDFORD, PA**

Pennsylvania's Young Farmer members will gather in Bedford, Pa. for the much anticipated annual winter convention. Workshops and tours are familiar features of this gathering. This year's convention will also include the chartering of a new chapter of the PYFA at the Bedford County Technical Center. Scott Myers, advisor, and the charter members of Bedford Young Farmers have planned an interesting selection of tours and workshops.

Tours will occur on Tuesday and Thursday for all members. Wednesday afternoon's tour will cater to the spouses. On Tuesday participants will visit the Bedford County Technical Center, BCTC, in Everett Pa., BC Stone, and Blue Triangle Hardwoods. The BCTC is a combination career and technical school which serves students in five school districts with programs in seven occupational areas. BC Stone employs craftsmen who create one of a kind stone pieces for residential and commercial customers. Blue Triangle Hardwoods offers national and international customers a wide range of lumber products from veneer logs to bark mulch. Thursday's trip will take convention visitors to Singing Brook Farms, a 600 head dairy and the REI distribution center, a state of the art, environmentally sustainable facility.

On Wednesday afternoon PYFA spouses and friends will enjoy a visit to the historic Bedford Springs Resort. The eight mineral springs located on the resort's property have attracted visitors for more than 200 years. Tour participants will learn about the role of the resort during World War II through a presentation focusing on the US campaign to conquer Japan. Following the history lesson the group will visit downtown Bedford to experience the many unique retailers, cafés, and local attractions.

Educational workshops for interested members will be held on Wednesday afternoon and will include a presentation by the Marcellus Shale Coalition, an introduction to commodity marketing by Penn State Cooperative Extension agent John Berry and a session to consider the importance of soil fertility in corn production. For more registration information see the PYFA website [www.payoungfarmers.com](http://www.payoungfarmers.com).

**BEST WESTERN, BEDFORD INN**

**CALL 814-623-9006 for room reservations**

**EARLY FULL REGISTRATION (\$100) DUE 1/13/12**

**payable to PYFA, mail to Ed Zug**

**390 Peters Creek Rd., Peach Bottom, Pa. 17563**

**Partial registration available, see websites for costs**

## DATES TO NOTE

### **January 13**

GYF Family Bowling with FFA, 6:30 p.m.  
Edgewood Lanes, Emmitsburg Rd. Gettysburg.

### **January 7—14**

Farm Show, Harrisburg, PYFA will be helping with the educational stations.

### **January 17**

Monthly meeting, Mapping for Nutrient Management Planning, 7:30 pm, GHS Ag Classroom

### **February 2**

South Central PA Crops Conference, York County 4-H Center, York, PA.

### **February 7—9**

PYFA Winter Convention, Bedford, Pa. see PYFA website for registration information

<http://www.payoungfarmers.com/>

### **February 16**

ACCD No-till meeting, 8:30 a.m. Emergency Management training center, Straban Twshp.

### **March 19**

Agronomy Workshop with Dean Collamer, 7:30 GHS Ag classroom, CORN STARTER FERTILIZERS and N STABILIZERS

### **March 20**

Visit to Chambersburg Young Farmer Chapter meeting, meet at high school, 7 pm

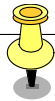


Friday 1/13, 6:30 pm.

Pizza and drinks provided by GYF. Bring snacks to share and non-perishable food item for Adams County food bank.

Members are responsible for costs of shoe rentals and games played.

Also bring ideas for places to visit on Spring tour in March.



**MAKE RESERVATION FOR FEB. 2 CROP CONFERENCE, YORK 4H CENTER, 9-2:30**

**Agenda:** No-Till Crop Production  
Integrated Pest Management  
Forage Management  
Crop Management  
Sustainable Cropping Systems  
Nutrient Management

**PESTICIDES CREDITS- COST \$10 (includes lunch and snacks)**

Transportation provided for GYF members from high school. Call 334-2760 by 1/26 to reserve seat in van and registration info.

## **QUOTE TO NOTE:**

*“I believe it is now time to look 100% towards what we intend to do with our anticipated 2012 production. It may be worth your time to keep an eye out for grain marketing educational opportunities that will be available over this coming meeting season.”* John Berry, Lehigh County PSU grain marketing educator

Plan to attend PYFA winter convention Wednesday, 2/8/12, afternoon workshop with Mr. Berry. **LOCAL, NATIONAL and GLOBAL MARKETS: WHAT TO DO? WHAT TO DO?**

# MANAGEMENT OF STORED GRAINS: CONTROLLING THE BIN ENVIRONMENT

Summarized from Calvin, D., J. Carson, S. Jacobs, 1989, Entomological Notes, PSU, College of Agricultural Sciences

The crop has been harvested, dried to correct moisture level, and put into a properly sanitized grain bin. Can you walk away confident in the security of your crop? Not entirely. Do you know that your cozy grain bin is a self contained micro- environment? A sharp manager understands the interactions between the inhabitants, i.e.insects, fungi and bacteria, the “weather” i.e. temperature and humidity, and abiotic resources, i.e. your grain crop! Most grain damaging organisms will not thrive at moisture levels below 15% and temperatures less than 50° F. See table below for recommended temperature and moisture content percentages for various grain crops throughout the year.

Even after you have achieved the prescribed temperature and moisture level, don’t assume that they will remain constant. The temperature and humidity of the surrounding air will influence what is happening inside the bin. Because the bin is a closed container, the difference in temperature between grain next to the wall of the bin and grain in the center can initiate convection currents within the bin. A process of “moisture migration” occurs as a result of the moving air. During

winter months the warmer air in the center of the bin moves toward the top, carrying moisture with it. As the air currents descend along the cooler walls of the bin the moisture condenses on the edges. The same process moving in the opposite direction occurs in warm weather with the warm air moving up along the sides of the bin and falling through the cooler center. To avoid insect, fungi and bacteria problems resulting from warm temperature and excess moisture regular monitoring is recommended. In cold months check temperature, moisture, and insect and fungi activity once a month. During warm months check every other week. A hollow brass tube called a trier is used to sample the stored grain for insect contamination. A grain temperature probe and moisture probe are needed to check temperature and moisture. A common household thermometer can be used to check temperature providing it is inserted at least 12” into the grain. Warm spots may be indications of insect activity.

If temperature and moisture are outside of recommended range, aeration is a valuable management tool. Do not aerate on warm or humid days.

Recommended temperature and moisture content for storage of grain						
Month of Year	Grain temperature (F°) *		Maximum recommended moisture content (%)			
	Minimum	Maximum	Corn	Soybeans	Wheat	
January	35	45	15.7	14.3	14.2	
February	35	45	15.5	14.0	14.1	
March	41	51	14.9	13.7	13.7	
April	53	63	14.3	12.2	13.3	
May	55	65	13.8	11.6	13.1	
June	55	65	13.3	11.1	12.8	
July	55	65	13.1	10.9	12.7	
August	55	65	13.3	11.0	12.8	
September	55	65	13.6	11.4	13.0	
October	55	65	14.2	12.1	13.3	
November	42	52	14.9	13.2	13.7	
December	35	45	15.5	14.0	14.1	
* When the average monthly temperature is below 40° F, the grain temp. should range between 35° and 45° F.						
When the average monthly temperature is above 60° F, the grain temp. should range between 55° and 65° F.						
Adapted from: <u>Management of On-Farm Stored Grain</u> . University of Kentucky, College of Agriculture, Cooperative Extension Service. As cited in Penn State College of Agricultural Science, Cooperative Extension, Entomological Notes, Sept. 1989						

Gettysburg Young  
Farmer Educational  
Assoc.

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*"Young farmers are any farmers  
willing to learn"*



**JANUARY CALENDAR:**

1/13/12 Family Bowling, 6:30, Edgewood Lanes  
1/17/12 GYF Jan. Meeting: Mapping for Nutrient  
Management Planning, 7:30, GHS Ag Classroom

Early Registration for Winter Convention due  
1/13/12

