

GYF JUNE NEWS

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COMING TO CHAMBERSBURG JULY 14-15

**North American
MANUREXPO**
Professionalism in Nutrient Management

<http://www.manureexpo.org/>

The goal of the Manure Expo is to bring farmers, certified haulers, researchers, extension educators, government agency personnel, and equipment dealers to share their knowledge around this important part of agriculture. With farm tours, educational sessions, and equipment demonstrations, it will be "Manure than you can Handle"! This year's Expo site will be located on Ingram Drive, just off of Route 81 in Chambersburg.

Tuesday, July 14 is the Tour Day

- The Dairy and Agitation Tour will travel to Mercer Vu Dairy, Slate Ridge Dairy, and then to BurkLea Farms for the agitation demonstrations. Static draglines, calf feeding systems, feed management, anaerobic digestion, and cropping and manure strategies are just a few of the topics to be discussed. Lunch will be provided.
- The Agitation Only Tour will travel to BurkLea Farms for the agitation demonstrations.
- The Equine and Small Beef Farm Tour will travel to the equine facilities at Wilson College and the Kiskaddon Beef Farm. Topics include manure collection and storage, heavy use areas, pasture evaluation, concrete barnyard improvements, and irrigation of grey water. Lunch will be provided.

All tours will return to the Expo site around 5:15pm. The Trade Show will be open until 8:30pm. Educational sessions will also be available that evening.

Wednesday, July 15 is the Trade Show/Educational Sessions

Grounds open at 7:30am.

- Educational sessions will begin at 8:00am and will continue throughout the day.
- Solid manure demonstrations (spreaders and compost turners) will take place from 10:30am – 12:00pm.
- Liquid manure demonstrations will take place from 2:00pm – 3:30pm.
- A live action spill response will be demonstrated from 3:30pm – 4:00pm.

DATES TO NOTE.

June 24

Weed Management Twilight tour, 5-8 p.m. Southeast Ag Research and Extension Center at Landisville, Pa.

Tour will visit herbicide plots in corn and soybeans. Contact Bill Curran, 814-863-1014

June 28,

GYF Picnic at Ed Brown's
Details to follow in June NEWS

July 14-15

North American Manure Expo, Chambersburg, Pa.

See first page article for details

July 14-15

PYFA/PAAE Summer Conference. Tyrone and State College, Pa. See article for details.

Aug. 18-20

Ag Progress Days at Rock Springs research farm. Stop by the PYFA booth.



Summer GYF Picnic

Sunday June 28, 2015

Hosted by Ed, Barb and Charlie Brown

1365 Georgetown Road, Littlestown

Bring a covered dish, place settings, and chairs.
GYF will provide drinks and grilled meats.

The Brown family will give us a tour of their farm operations. A brief business meeting will include discussion of Apple Harvest volunteering at Pit Beef stand, fall field day, changes in contract with GASD and topics for educational programs during the next year.

Call 334-2760 to RSVP or email
dkammerer@gettysburg.k12.pa.us

PYFA/PAAE Summer Conference July 14-15, Tyrone, Pa.

Tuesday, July 14, 2015

- 8:30 – 12:30 AgEduCamp, Dr. Daniel Foster
- 12:30-1:15 Lunch
- 1:15-3:15 Prof. Dev. Workshops
- 6:00-8:30 Dinner picnic and Dave Hershey's Percherons

Wednesday, July 15, 2015

- 8:00-9:15 PYFA Board meets
- 9:30-10:15 travel to PSU
- 10:30-12:00 tour of PSU barns
- 12:15-2:00 Lunch, self guided tour PSU Arboretum
- 2:30-4:00 Tech Workshops
- 4:15-5:00 travel to Tyrone HS
- 6:00-8:00 Awards Banquet and auction (Marzoni's Altoona)



Tech Workshop Options

- ◆ Food Science: K-12 STEM Curriculum, Dr. Catherine Cutter, Penn State
- ◆ Renewable Energy, Leah Bug, Center for Science and the Schools (PSU)
- ◆ Landscape Stormwater Management/Green Roofs, Dr. Robert Berghage, Penn State
- ◆ Drones in Agriculture and Environmental Science, Dr. H.J. Sommer, Mech. Eng. (PSU)
 - ◆ Climate Change and Agriculture, Eberly College of Science Faculty
 - ◆ Animal Science or Turf Science or Pest Management

How are your beans looking?

Tools for evaluating uneven stands and deciding when to replant



The planting is done and you're getting around to check on stands, weed control, disease and insect pressure. Some of those bean fields look spotty or uneven. What should you do?

Dwane Miller, PSU Extension educator recommends first determining actual density of the crop. Two basic methods both provide an easy and quick evaluation. The first requires that you count the plants in 1000th of an acre. To do this start with row spacing and count the linear length of row specified in this table.

ROW SPACING	LENGTH OF ROW
30	17'5"
20	26'2"
15	34'10"
10	52'3"
7.5	59'7"

Multiply the number of plants counted by 1000 to get an estimate of plants/ac. Take 5-6 samples spots in the field to get an accurate estimate.

The alternate method of estimation involves the use of a round hoop such as a hula hoop or other similar hoop. Place the hoop randomly at several locations in the field and count the number of plants inside the hoop. Use the table below to calculate the number of plants per acre. Multiply the appropriate factor times the number of plants you counted to get your population/acre.

DIAMETER OF HOOP	FACTOR
18"	24,662
21"	18,119
24"	13,872
27"	10,961
30"	8,878
33"	7,337
36"	6,165

Now that you have an estimate of population you can translate that into expected yield by using this third table.

POPULATION	7.5" ROWS	30" ROWS
160,000	100%	100%
120,000	100%	100%
80,000	96%	100%
60,000	92%	94%
40,000	87%	88%
20,000	77%	81%
10,000	58%	72%

Before deciding to replant it is important to determine what caused the poor stand. Some factors which may have contributed include failure of seed to germinate, poor seed emergence, adverse soil conditions, planter failure, poor seed placement, herbicide injury, insects and disease. If the grower cannot identify and correct the cause of the poor stand, a replanting may be equally unsuccessful.

Also keep in mind that replanting is a late planting and so yields will not match normal yields of earlier plantings. PSU Agronomy Guide predicts that a field planted on June 10 will produce only 88% of one planted on May 10. By June 20 the expected yield drops to 76% of normal potential.

If you're still scratching your head trying to decide to replant or not, Purdue Extension has assembled a helpful worksheet which accounts for addition costs of seed, fuel, machinery, labor, pesticides as well as reduced yield potential. Plug your numbers into the worksheet and you will see gross returns for both no replanting and replanting. This comparison should clarify the economic situation and help you make the best decision. Find the worksheet at <https://www.extension.purdue.edu/extmedia/SPS/SPS>

Tables adapted from Purdue Extension publication ID-179, Corn & Soybean Field Guide

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



*NOTE THESE UPCOMING EVENTS:
Sunday, June 28, 2015 GYF Picnic
Wednesday, July 15, 2015 PYFA Board meeting,
State College, Pa.*