

## Farm Calendar

(Continued from Page A31)

Library, 1-4 p.m.  
 Pesticide Licensing Exam, Adams County Extension Office, 7:30 p.m.

**Saturday, March 14**  
 Fifth Toastmaster Meeting, Lancaster Farm and Home Center, 8:30 a.m.  
 Regional tree fruit meeting, Schuylkill County.  
 Western Pennsylvania Bred Gilt Sale, New Wilmington Livestock Auction.  
 Pennsylvania Shorthorn and Polled Shorthorn Association, Garden Gate Restaurant, 6:15 p.m.

**Sunday, March 15**  
 Pennsylvania 4-H Week  
 Pennsylvania 4-H Week, through March 22.

**Monday, March 16**  
 Pennsylvania 4-H Week

**Tuesday, March 17**  
 St. Patrick's Day!  
 Pennsylvania 4-H Week  
 Southcentral Cattlemen's Association annual banquet, East Berlin Fire Hall, 7 p.m.  
 Delmarva Safety Seminar, Wicomico Youth and Civic Center, Salisbury, Md., through March 18.  
 Centre County 4-H Leaders Banquet, Nittany Lion Inn, University Park, 7 p.m.  
 Southeast Regional Christmas Tree Meeting, Schuylkill Haven, Morgan Auditorium, 7 p.m.  
 Lehigh County Small Scale Farming Workshop, Lehigh County Agricultural Center, 7:30 p.m.  
 Chester-Montgomery Local District 1, Moorehead's Catering Service Banquet Hall, Trappe, noon.  
 Morgantown Local District 8, Elverson Fire Company, 7 p.m.

Agronomy Day, Wysox Fire Hall, 9 a.m.  
 Pennsylvania Forest Stewardship Program, Claverack Building, Montrose, 7:30 p.m.  
 Christmas Tree Growers Meeting, Penn State Schuylkill Campus, 7 p.m.  
 Composting Dead Birds, Adams County Extension Office, 7:30 p.m.  
 Chester County Holstein Club Tour to Franklin and Cumberland Counties, meets Dick Hostetter farm, 7:15 a.m.

**Wednesday, March 18**  
 Pennsylvania 4-H Week  
 Pennsylvania Turkey Conference, Carlisle, 9 a.m.  
 Susquehanna and Wyoming County corn meeting, Claverack Building, Montrose, 10 a.m.-3 p.m.  
 Tr-County Agronomy School, Gratz Community Fire Hall, Gratz, 9:30 a.m.-3 p.m.  
 Dairy Day, Bloomsburg Fairgrounds Office Building, 9:30 a.m.-3 p.m.  
 PDPP promotional meeting, Northwest District, Clarion Clipper, Clarion, 9:30 a.m.-3:30 p.m.  
 Cumberland County Holstein Club annual meeting and banquet, Penn Township Fire Hall, Hunsdale.  
 United Dairy Cooperative Service, Inc. annual meeting, Seneca Falls, New York, 10:30 a.m.  
 Pesticide update training, Penn State Fruit Research Lab, Biglerville, 1 p.m. and 7:30 p.m.

**Thursday, March 19**  
 Pennsylvania 4-H Week  
 York County pesticide recertification meeting, Pleasant Acres Complex, 7 p.m.-9 p.m., repeats March 20.  
 York County Farmland Trust sec-

ond annual banquet, Rutter's Restaurant East, 7:30 a.m.-9 a.m.  
 Wayne County corn meeting.  
 Ag Chemical Safety Compliance Conference, Italian-American Citizens League, Kennett Square, 8:30 a.m.-3:30 p.m.  
 Lancaster Conservation District meeting, Yoder's Restaurant, New Holland, 7 p.m.  
 PDPP promotional meeting, southwest district, Days Inn, New Stanton, 9:30 a.m.-3:30 p.m.  
 Pennsylvania Agricultural Economy Conference, Days Inn, Penn State, through March 20.  
 Pesticide test, extension office, Towanda, 9 a.m.-1 p.m.  
 Pennsylvania Forest Stewardship Program public meeting, PDA Conference Room, Tunkhannock, 7:30 p.m.  
 4-H leaders banquet, Iona Grange Hall, 7:45 p.m.  
 Poultry Marketing Information, Days Inn, Penn State, through March 20.  
 Adams County Conservation District banquet, York Springs Fire Hall, 6 p.m.  
 Fayette County annual meeting, Shady Side Inn, Uniontown, 7 p.m.

## Reproduction, Nutrition Highlight Dairy Day II

Veterinarian Milliken gave some practical advise in determining heat detections and watching for post-freshing infections.

Reviewing some of the familiar advices — such as providing solid, non-skid footing, making sure animals aren't unhealthy, watching between 6 p.m. and 6 a.m., and other similar precautions — Milliken said cycles can be set up in which one problem can lead to another.

He said a familiar cycle is when a cow or heifer gets lame, for whatever reason, she will not show heats well, and she will lose weight which can also cause her to not show heats, even after the lameness is corrected.

He said also that efforts must be made to make sure that what is thought a cow is getting nutrient-wise, is really what absorbing into her system.

For example, Milliken said that copper can be in two forms copper-sulfide and copper-oxide, with one form being easier for the cow to uptake than the other.

Also, excessive amounts of other minerals and nutrients or unwanted materials, can interfere with the uptake of desired nutrients

in the intestine.

For example, only 40 percent of all the selenium ingested by a cow at any time will be taken into the system.

There are receptor sites along the cell walls in the intestine which carry the desired nutrients into the blood stream. However, if another chemical or mineral is present that attaches to the receptor site, it blocks the transport of the desired materials.

There are 16 different materials which can interfere with the cow's ability to absorb copper.

Most of the minerals can be tested for either by serum or whole blood tests, while there is no test for manganese.

Some of the two major problems with cow reproduction are cystic ovaries and infection of the uterus, whatever the cause.

Though it's not a good sign, pus at the vulva does not necessarily indicate a uterine problem, he said.

"Normally I don't like to see pus after 30 days, but if you do see it, have it checked before treating or taking any action on your own," Milliken said.

Do not be quick to self-diagnose and treat the animal, Milliken said.

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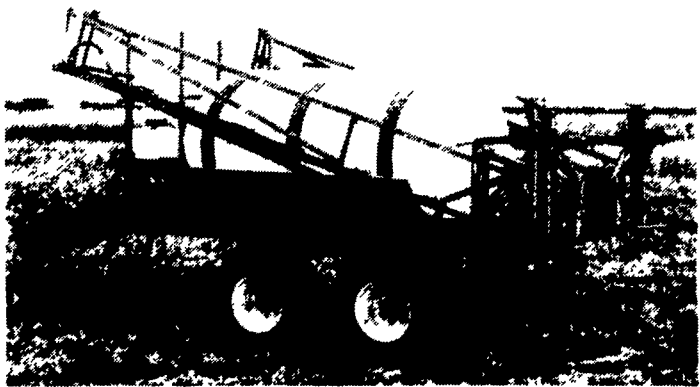
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