

Topic of the Month

Energy Requirements for Young Calves

Each fall and winter we are called to see a young calf that has pneumonia or scours. And sure enough the calf will have one of these diseases. Unfortunately, in some cases the disease we are called for is a secondary problem. As the ambient temperature falls below 40 degrees the energy requirement increases as calves burn off energy just to maintain body temperature, limiting growth. In the case where we have to necropsy one of these calves we will find a thin calf with absolutely no fat around the heart and kidneys, locations that act as an energy reserve in most calves. These calves are sometimes starving to death and to complicate the issue have their immunity severely suppressed. A few steps can be taken to prevent this scenario: 1. Consider using calf blankets on pre-weaned calves to reduce the loss of energy in these calves, and 2. Feed milk replacer at the rate of 6-8 quarts per day to increase the energy given to these vulnerable calves.

Commodity Futures

Source: CME

Corn(Dec) as of Oct 30	\$3.82
Soybeans(Nov) as of Oct 30	\$8.84
Soybean meal(Dec as of Oct 30	\$304.40
Cheese (Oct) as of Oct 30	\$1.68
Class III(Oct) as of Oct 30	\$15.43
Class III(Nov) as of Oct 30	\$15.32
Class III(Dec) as of Oct 30	\$15.35

Practice News

Hoof Health Workshop--Somerset County

November 6, 2015, 9:00 AM to 3:30 PM

Location: Morning - Berlin Brethren Church, 620 Main Street, Berlin, PA Afternoon - Dividing Ridge Farms

Cost: Thanks to sponsorship by **White Oak Veterinary Clinic** and **Zinpro**, reduced registration fees are Students: \$10 General: \$25

Registration: Call 877-489-1398 or go to extension.psu.edu/animals/health/courses/dairy-hoof-health

Questions: Contact Andrew Sandeen, Extension Dairy Educator, at 724-465-3880 / ats15@psu.edu.

Upcoming Events

2015 Penn State Dairy Nutrition Workshop

November 11, 2015 (7:00 a.m. - 9:30 p.m.) to November 12, 2015 at the Holiday Inn Harrisburg-Hershey Hotel, 604 Station Road, Grantville, PA 17028.

Call Extension Registration Support at **814-865-1362** to register by phone

Soybean Production Workshop

When: December 9, 2015, 9:30 AM - 2:00 PM
Where: Martinsburg, PA

A series of five Soybean Production Workshops will be held throughout Pennsylvania to review and disseminate current research on the production and management of soybeans.

Extension Registration Support Phone: 717-270-4391 Email:

ExtensionRegistration@ag.psu.edu