

Northeastern Hereford Breeders Hold Field Day

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The startling changes of frame size, back-fat, and feed conversion efficiency amazed the audience. His program was directed to all breeders to show the strides the breed has made toward producing cattle that meet the needs of today's consumer.

Kathy Finnerty from Cornell Extension Service presented a program on the necessity of calf uniformity. This timely presentation covered the reasons why calf uniformity was necessary from every aspect of production, from a uniform cow herd at the start of the cycle, to a narrow calving window, to feed conversion and uniformity in size at weaning when marketing cattle to feed lots. This creates a saleability that fits with the needs of the major stockyards around the country as well as the marketing to the end consumer.

Mike Baker from Cornell Extension Service, followed Finnerty with an update on the protein in cattle feed ration study Cornell is working on, as well as making the group aware of the variety and scope of the many programs offered through Cornell.

During lunch, two Hereford

queens, Theresa Wheeler and Jillayne Davis, informed those present about what the juniors are doing and the accomplishments of the area junior national held in Springfield, Ill.

After lunch, Monte Soules gave a lively presentation on the "right kind" of cattle. This included a graphic demonstration of his thoughts using live animals. He brought into focus what the breed must do to be competitive as well as what the end consumer will require of the industry in the not-too-distant future.

Dr. John Higgins of Acorn Embryo Service followed with demonstrations of the latest technology in artificial insemination, embryo transfer, and ultrasound. His demonstration was greatly enhanced by the use of a high powered microscope which allowed the audience to view actual embryos. Dr. Higgins provided a look into the future by demonstrating how ultrasound technology is applied for pregnancy checking and marbling of the rib-eye.

The day was closed with a Certified Hereford Beef update from Rob Ames and Jim Williams from the American Hereford Association in Kansas City, Mo.



At the Hereford field day are from left, Jim Williams, AHA; Dale Stith, Polled Hereford Sales Service; and Craig Huffines, AHA.

New York Farm Bureau Offers Legal Strategies

ALBANY, N.Y. — John Lincoln, president of New York Farm Bureau, announced that the organization is developing a handbook to assist agricultural employers in dealing with the enforcement efforts of the Immigration and Naturalization Service (INS), and has scheduled three regional informational seminars designed to supplement the new handbook.

In order to assist both agricultural employers and employees in understanding their rights as outlined in the handbook, New York Farm Bureau has scheduled several regional seminars that will discuss the tactics frequently employed by INS officials, and the legal rights which producers and farmworkers may exercise to limit the disruption of business operations.

The three educational seminars are scheduled as follows; Aug. 17 from 6-9 p.m. in The Empire Room at the New York State Fairgrounds in Syracuse; Aug. 18, from 6-9 p.m. in the Trolley Building at the Orleans County Fairgrounds in Ridgeway; and Aug. 19, from 6-9 p.m. in the Ballroom at the Quality Inn in Newark.

The seminars are to be conducted by attorney David M. Kresock of Harter, Secrest & E'mery LLP.

Anyone who can not attend one of the seminars, but who is interested in receiving the booklet, can obtain a copy by sending their name, address and \$1 per copy to the New York Farm Bureau Legal Defense Fund, P.O. Box 992, Glenmont, NY 12077-0992.



Dr. Jon Higgins, Acorn Embryo Services, Bellemead, NJ, conducts an embryo transfer demonstration.

Students Explore Agriculture Science Opportunities At Tulpehocken

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al science. Such topics appear in the agriculture biology curriculum.

The day's activities began with a field trip to Way-Har Farms and Dairy Store. Students were exposed to large animal experiences, such as veterinary health; taking the temperature of an animal, nutrition, and animal waste handling.

The feeding of a baby calf from a bottle was demonstrated. Students learned that this simple activity starts the process of digestion. Later in the day a comparison of the digestion of milk in the abomasum was compared to the process of cheese manufacturing.

A tour of the dairy plant's processing facility provided a basis to understanding pasteurization, homogenization, and quality assurance. Product availability included a taste test of ice cream, soft or hand-dipped.

Small animal care utilizing rabbits provided the students with instruction in meeting basic needs—food, water, and shelter. Students also participated in a discussion on reproductive physiology of a rabbit. Agriculture biology students maintain collectively four New Zealand rabbits during the school year and produce bunnies from them.

Microorganisms—good bugs—were utilized by students who worked in pairs to accurately produce yogurt. Measuring ingredients, stirring, and monitoring temperature were skills students developed in a food science laboratory atmosphere.

Plant propagation was experienced by those in attendance through a technique known as twin scale propagation. Amaryllis bulbs were divided and scaled by the students. A method of plant propagation uses a specialized portion of the plant's structure.

When students left the school from the day's activities, they took along scales and soil and placed in zip-lock type bags. Their assignment included the daily observation of the scale's edge, moisture content, and bulb formation. Maintaining a log of the observation was emphasized.

A walk-through of the nearby school's wildlife area provided

students with the opportunity to test water from a pond. Nitrate, phosphate, and pH readings were measured from a pond bordering the wildlife area and lying next to an agronomic field. Reading chemical test results and visual observations encouraged students to draw conclusions about test results and environmental practices utilized.

Students had the opportunity to interact with peers and share their ideas and concerns while learning more about the curriculum.

Follow-up visitations to each student's project site and a

meeting with parents follows the orientation.

FFA officers had the opportunity to assist with the day's activities. President Oralyn Folk and Student Advisor Matthew Forry participated and demonstrated.

Students attending included David Bahner, Derek Behney, Grace Cole, Rochelle Galen, Matthew Geib, Dustin Gingrich, Kristen Gross, Travis Kiene, Cathy Levan, Elizabeth Loump, John Hartman, Holly Moyer, Emily Olesh, Jessica Stern, Luke Troutman, Matthew Wenger, Jennifer Wisniewski, and Danielle Wiczalkowski.



From left, Derek Behney, Emily Olesh, and Matthew Gelb perform water quality tests by the pond.



Derek Behney and Danny Shilling prepare the yogurt sample for the incubator.