

Maryland University Clarksville Farm Has New Dairy Facilities

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Declaration of Independence. In 1951, the farm was purchased by the state of Maryland for use by the Department of Mental Hygiene to both produce and process milk for the state mental hospitals.

In 1957, the farm was transferred to the University of Maryland with the stipulation that the milk produced continue to supply the mental hospitals. For a number of years after the university gained title to the farm, milk continued to be processed on site and shipped to the

state mental hospitals. In the early 1960's, the university opened its processing plant on campus as a teaching facility. From that date, milk produced at Clarksville was sent to College Park for processing but continued to supply the state's mental hospitals. In the late 80's the agreement between the Department of Mental Hygiene and the university was rescinded. Since that time, milk produced on the farm has been marketed through one of the local milk cooperatives, currently Land O'Lakes.

The most recent renovation of the facility began seven or eight years ago with money obtained from funds stashed away from the sale of the university's research farm located on Cherry Hill Road in College Park. Now the first-class research facility supports the university's dairy science programs and is booked full with agribusiness research projects both large and small.

"The primary focus here is in support of the dairy science program at College Park," Kratochvil

Central Maryland Research and Education Center Clarksville Facility Field Day and Dedication July 9, 1998

Three concurrent tours highlight how the research and extension programs of the College of Agriculture and Natural Resources benefit dairy farming in Maryland. Participate in as many tours as possible while the junior dairy judges practice their skills. Then, join us as we celebrate, during lunch, the completion of the construction projects that have modernized our dairy research facility.

10 a.m.-11 a.m. Registration

A local 4-H club will sell coffee and donuts.

10 a.m.-noon State Dairy Judging Practice Session

Dr. Lee Majeskie
Dept. of Animal and Avian Sciences
and
Mr. Thomas Moreland
CMREC-Clarksville

10:15 a.m.-12:30 p.m. Tours

Each tour takes approximately 45 minutes.

Dairy Tour One (A walking tour)

- Somatic Cell Counts: Is There a Relation to Milk Product Quality
Dr. Scott Rankin
Dept. of Animal and Avian Sciences
- Handling Dairy Manure: An Overview of the Clarksville System
Mr. Herbert Brodie (Retired)
Dept. of Biological Resources Engineering
and
Mr. Curt Gooch
MAES Research Facilities Management Office
- Marketing Milk with Futures
Dr. Kevin McNew
Dept. of Agricultural and Resource Economics

Dairy Tour Two (A walking tour)

- Tools for Managing Heifer Growth
Dr. Richard Erdman
Dept. of Animal and Avian Sciences
- Effects of Early-Lactation, 6X Milking on Subsequent Milk Yield
Dr. Mark Varner
Dept. of Animal and Avian Sciences

RSVP slip

___ will attend Field Day
___ will have lunch
Lunch will be available at a modest price
Please return to
CMREC-Headquarters
11975-A Homewood Road
Ellicott City, MD 21042

- A Bright Future: Photoperiod Management
Dr. Geoffrey Dahl
Dept. of Animal and Avian Sciences

Agronomy Tour (Ride wagons to field site)

- Phosphorus Legislation and Its Impact on Dairy Producers
Dr. Frank Coale
Dept. of Natural Resource Sciences and Landscape Architecture
- Forages: Your Key to Nutrient Management Planning
Dr. Les Vough
Dept. of Natural Resource Sciences and Landscape Architecture

Informational Exhibits

Converse with representatives from farm-related businesses, University departments, State agencies, and other organizations.

12:30 p.m. Lunch and Dedication Ceremony

Enjoy a barbecued roast beef lunch, for a small fee, while you visit with your neighbors. Then, join representatives of the College of Agriculture and Natural Resources as they celebrate completion of the state-of-the-art dairy facilities, with a short dedication and ribbon-cutting ceremony.

1:45 p.m.-3 p.m. Walking Tours of the Dairy Facilities

How to Reach the Clarksville Facility

From the west, take Interstate 70 east to Route 32 south. Follow Route 32 south to Route 108 east. Take Route 108 east approximately 7/10 mile to Sheppard Lane and turn left. Stay on Sheppard Lane approximately 2.5 miles until you reach its intersection with Homewood Road. Cross Homewood Road and the facility will be 1/3 mile on your left.


From the north, take Interstate 70 west to Route 32 south and then follow directions given above.

From the south, take Interstate 95 north from Washington Beltway to Route 32 west. Proceed to Route 108 east. At that point follow the directions in the first paragraph.

From the Eastern Shore, take Interstate 97, at Annapolis, to Route 32 west. Proceed to Route 108 east and then follow directions in the first paragraph.

For Further Information

Call either CMREC at (301) 596-9330 or your local Extension office.

 Please fill out the form at left and let us know how many people will be attending and how many will be having lunch.



Benny Erez at the University of Maryland's Clarksville research farm shows shows compost made from cow manure. After using a separator to obtain the solids from the liquid, the solids are composted and the liquid is irrigated on the fields, returned to be reused in the flush system in the dairy barns, and used in a wetlands research project.

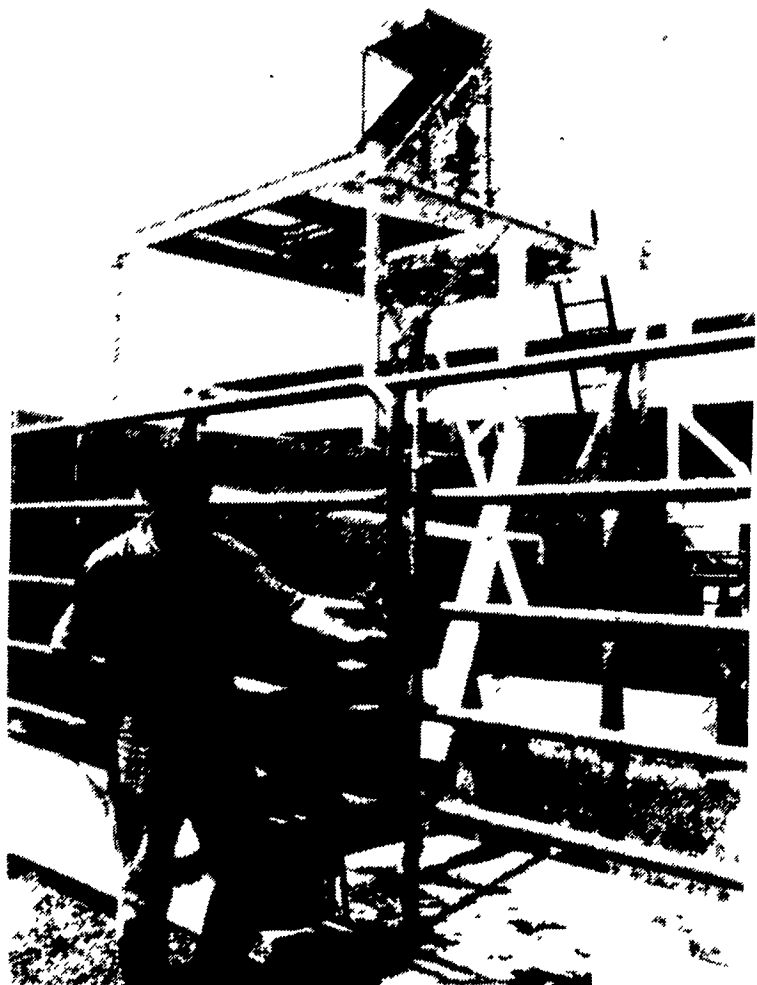
said. "We have a considerable amount of activity in agronomic work with forage production as a nutrient management tool. This includes the development of wetlands as part of the ongoing research. We expect to see an increase in environmental work because of the new regulations now in effect in Maryland. We are an animal operation, and all animal operations will now be faced with the same sort of problems as the poultry industry.

The 120-cow Holstein milking herd and 80 head of replacement

stock are housed in new open truss barns. Facilities are present to feed and monitor excretion from individual cows. The milking parlor operates semi-automatically so that individual cows can be handled for blood testing or other special treatment while the other cows in the parlor continue to come and go as they are milked.

A new experiment expected to be completed by open house day will be water bowls installed in place of the feeding places in the parlor. Tom Moreland, dairy prog-

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Benny Erez shows the manure separator that releases the solids down through the grate and sends the liquids into the tank for pumping across the road to the lagoons.