COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS - STATE OF OHIO

AREA EXTENSION CENTER

College of Agriculture and Home Economics of The Ohio State University and U. S. Department of Agriculture Cooperating

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DAIRY NEWSLETTER

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August 1970

Dear Mr. Dairymen:

Apparently some people in the state are still confused about the use of epoxy on the insides of silos, so if you know of any, please set them straight with the following information:

--Approved epoxy compounds are safe to use as a sealer on the insides of new silos. Epoxy materials will not contaminate the milk of cows, so dairymen should not be fearful of this problem. When properly applied the epoxy material will last several years and provides an excellent seal to the silo.

--A few dairymen encountered milk contamination problems when they had old silos recoated with a compound called Cumar (Aroclor 1254). This compound is not epoxy. No silo company in the Wooster Area is presently using Cumar, to my knowledge. Anyone who had a silo resealed with Cumar should check with the Ohio Department of Agriculture, Division of Foods, Dairies, and Drugs if any questions exist.

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Milk output the first half of 1970 reached nearly 60½ bil. lbs., slightly above last year's pace. If cow numbers continue downward at the current slow rate of 2%, rising milk output per cow may also raise production the second half of 1970 above that of 1969. Farm prices averaged $5.54 per cwt. in the first half of 1970, about 5% above a year earlier, but gains in the rest of 1970 likely will be smaller. Wholesale prices of major dairy products have remained steady since the April 1 support price increase.

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Utensils and equipment for milking and milk handling are recognized as major sources of bacteria in the raw milk supply. Therefore, if low bacteria count milk is to be obtained, proper cleaning and sanitizing of all surfaces with which the milk makes contact must be accomplished. Some guidelines of when equipment is clean follow:

A) Rubber parts are clean when -(1) They smell clean - no bad odor, (2) Inflations "squeak"- when milk contact surfaces are rubbed together, (3) Original smooth surface intact, (4) No "paste" visible when milk contact inflation surface is scraped under heavy pressure with a dull knife blade, (5) A tight-fitting "burr" comes out clean when drawn through a milk vacuum hose.

EXHIBIT E-2

B) Milk pipelines are clean when (1) no water droplets ("beads") are visible on the clean, rinsed inside surface, (2) water drains in a layer ("sheets") from top to bottom of pipeline, (3) interior surfaces are bright and shiny. (Shines like a clean shot-gun barrel)

C) Stainless steel and glass surfaces are clean when (1) rinse water slips ("sheets") in a continuous layer from top to bottom of the cleaned surface. (It does not dry in patches), (2) no moisture droplets appear on the surface (moisture droplets indicate a greasy surface), (3) a "squeaky" noise results when clean, dry finger tips are pressed on a clean, dry surface, (4) no "blue coloration" is visible on the dry surface of stainless steel, (5) both glass and stainless surfaces are bright and shiny when dry (no water or milk stone).

D) Finally - milk utensils and equipment are clean and sanitized properly when - - Bacteria counts are low: (1) Standard Plate Count - 10,000 or less (assuming adequate cooling and storage), (2) Laboratory Pasteurized Count- 500 or less.)

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For those of you who would enjoy watching the dairy judged at the Ohio State Fair in Columbus, the following dates are show dates:

A. Junior Division:
1) Ayrshire - Friday, August 28, 10:00 a.m.
2) Brown Swiss - Friday, August 28, 10:00 a.m.
3) Guernsey - Saturday, September 5, 10:00 a.m.
4) Holstein - Tuesday, September 1, 10:00 a.m.
5) Jersey - Saturday, September 5, 10:00 a.m.
6) Milking Shorthorn - Tuesday, September 1, 8:00 a.m.

B. Senior Division:
1) Ayrshire - Saturday, August 29, 8:00 a.m.
2) Brown Swiss - Saturday, August 29, 8:00 a.m.
3) Guernsey - Monday, September 7, 8:00 a.m.
4) Holstein - Wednesday, September 2, 8:00 a.m.
5) Jersey - Monday, September 7, 8:00 a.m.
6) Milking Shorthorn - Tuesday, September 1, 9:30 a.m.

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Dates to remember:
1) Medina Co. Fair, at Medina - August 4-9
2) Summit Co. Fair, at Tallmadge - August 12-15
3) Cuyahoga Co. Fair, at Berea - August 17 - 23
4) Holmes Co. Fair, at Millersburg - August 18 - 22
5) Lorain Co. Fair, at Wellington - August 25 - 30

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Until my next newsletter, I'm pulling with you for a better dairy industry.

Sincerely,

Donald E. Pritchard

Donald E. Pritchard
Area Extension Agent, Dairy

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