► VIRGINIA COOPERATIVE EXTENSION SERVICE ◄
EXTENSION DIVISION • VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY • BLACKSBURG, VIRGINIA 24061

dairy guidelines

Series 225 - February 1981

REQUEST FOR EVALUATION OF MASTITIS CONTROL PROGRAM AND MILKING SYSTEM*

Date_____

I. General Information

Dairyman_____ Telephone_____

Address_____

Breed_____; No. cows in milk_____; No. dry cows_____

II. Culture information: Date cultured_____; No. cows_____

No. cows infected with: _____Strep. ag.; _____Staph.;

_____Strep. non-ag.; _____Coliforms

Production Information (DHIA)

Month		Milk: Rolling herd average	Somatic Cells: Herd ave. (000)	Somatic Cells: % below 200,000	Somatic Cells: 200,000 to 400,000	Somatic Cells: 400,000 to 800,000	Somatic Cells: Above 800,000	Plant or State tes (mastitis
	Heifers							
	Cows							
	Heifers							
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	Cows							
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	Cows							
	Heifers							
	Cows							

How does the dairyman define his problem? _____

_____

_____

*by G. M. Jones, Professor and Extension Specialist, Dairy Management, in the Departmen of Dairy Science, College of Agriculture and Life Sciences at Virginia Tech.

III. Milking Facility

Stanchion barn: No. stalls_____ Free stalls: No. stalls_____

Parlor: No. stalls_____

___Herringbone ___Single row

___Side-opening ___Double row

___Other_____

IV. Milking Equipment

Make and model_____ Age_____

No. milking units_____ No. operators/milking_____

Automatic detachers: Kind_____

Vacuum pump(s): Model_____h.p._____

Reserve tank location_____

Vacuum regulator(s): No._____ Type_____

Location_____

Reserve air flow at receiver jar (all units operating):

Regulators closed _____CFM

Regulators open (.5 inch vacuum drop) _____CFM

Main vacuum supply line: _____in. i.d.; Type_____

Pulsator vacuum line: _____in. i.d.; Type_____

Looped to balance tank_____

Looped to header line (_____in. i.d.) _____

Milking pipeline: _____Receiver jar, _____No. inlets

Low line_____, High line_____, Weigh jars (No.)_____

Size_____in. i.d., No. of risers_____

Pipeline ht. (max.)_____, Milk hose length_____

Is milk lifted less than 3 ft.?_____

Where is highest point?_____

Do milk inlet valves drain into upper 50% of line?_____

Type of claws_____

Inflations: Type_____, Size_____, No. cow milkings_____

Pulsation: Ratio_____, Rate_____, Alternating_____, Continuous_____

Vacuum levels: On milking pipeline _____in.

Teat end: Maximum_____, Minimum_____

Fluctuation_____

Pulsation chamber: Inflations open _____in. vacuum

Inflations closed _____in. vacuum

Voltage check: Service entry ground_____ Bulk tank_____

Milk line_____ Milk pump_____

Feed manger_____ Water heater_____

Stall_____ Waterer_____

Date equipment was last serviced?_____

V. Milking Practices

Do you strip 3-4 streams before milking?___ (before___, after___) teats are washed?

Do you use a strip cup?_____

Are udders washed before milking? Yes___, No___

Automatic prep-stall_____ Cloth_____

Bare hand _____ Sponge_____

Paper towel _____ Other_____

Is sanitizer used? Yes___, No___

Are udders and teats dried before milking? Yes___, No___, Thoroughly___

Paper towel_____ Cloth_____; One per cow_____

Other_____ Sponge_____

Are units attached within 1-2 minutes of starting udder prep.? _____

Are cows overmilked? _____ Undermilked? _____ Excessive stripping? _____

Is vacuum released before units removed? _____

Shut off at claw_____, Individual teat cup removal_____

Teat dipping: Brand name_____

Every milking?_____, How applied?_____

Is entire teat covered?_____

Preparation and Milking Times

Cow	First Stimulation (1)	Unit attached (2)	Prep time (2-1)	Units removed (3)	Milking Time (3-2)

VI. Dry Cow Therapy

Are cows treated at drying-off?

No_____ Selective (specify)_____

All cows_____

Product name_____ How long have you used:

a. Dry cow therapy? _____Yr.

b. This product? _____Yr.

Do you teat dip after treating?_____

How long after drying-off are cows dry treated?_____

VII. Environment

Type of bedding: Milking cows_____; Dry cows_____;

Maternity stalls_____

Bedding clean and dry?_____

Do cows have access to:

Farm ponds_____ Swampy areas_____

Streams or ditches_____ Manure_____; Where_____

Extension Agent_____

Comments_____

_____

Veterinarian_____

Comments_____

_____

Equipment dealer_____

Comments_____

_____

Inspector or Fieldman_____

Comments_____

_____