

FARM & HOME PAGE

NOTES BY THE WAYSIDE

(By Hugh G. Caton, County Extension Agent)

Substituting for John Inskip who is in Washington, D. C. to receive the U.S.D.A. Superior Service award from Extension Director C. M. Ferguson, we figure the Field Day at Lennox Blatchford's 60 acre farm near Hillsboro attended by nearly 400 farmers is well worth reporting.

This working dairy farm with 40 jersey cows is an outstanding example of what lime, fertilizer and improved varieties of grass and legumes can do.

Its history is typical. For years the land grew oats and barley, a little less each season until three years ago when Blatchford initiated his improvement program. Now all of the land is in grass and legumes.

The carefully laid plans began with a liming program, based on soil tests. About 2 tons of lime per acre was required on most fields. A field planted to DuPuits alfalfa this month got 2 1/2 tons of lime plus boron. The fertilizer program, also guided by soil tests, has been mainly nitrogen, potash and boron. Phosphorus levels were adequate but potassium was on the deficient side though not extremely low.

Blatchford's forage plantings have included alta fescue, S-143 orchard grass, and ladino clover. Neighbors who have watched the change said they would not recognize it as the same place. The 40 cows have grazed only about 10 acres of pasture this spring. Grass and clover fields, to be ensiled as soon as weather permits, are heavy with lush, green forage.

Cooperating with Lennox Blatchford on this demonstration are the American Plant Food Institute and a long list of interested Washington County businesses.

Tom Jackson, O. S. C. Extension Soil Conservation Specialist; Rex Warren, Farm Crops

Specialist and Manning Becker, Farm Management Specialist were on hand at the Field Day to review what Blatchford had done and made these reports to guide other farmers: PASTURE MANAGEMENT SHEET

WHAT TO PLANT: Mixtures of bunch-type grasses and perennial legumes make the best pasture. Pastures with approximately 2-3 grass and 1-3 legumes are the ideal pasture combination. The legume should be selected on the basis of available moisture and soil depth. For irrigated pastures, Ladino clover and New Zealand white clover are best. Where irrigation is not available, alfalfa is the best legume on deep, well-drained soils. Subterranean or white clover are best on non-irrigated soils, which will not grow alfalfa. Two to four grass species are enough in the mixture. Tall-growing bunch grasses are best. Such grasses are orchard grass, meadow foxtail, perennial ryegrass, alta fescue.

Management Practices: Root growth in pastures is proportionate to top growth. Good root growth is not possible without good top growth. Do not pasture in the spring when there is less than 6 inches of top growth. Do not keep the pasture closely grazed all season. Closely grazed pastures are soon taken over by low-growing and low-yielding grasses, native white clover and weeds.

Fertilizer - Nitrogen is the most common pasture fertilizer. It is possible to maintain balance between grasses and legumes by varying the amount of nitrogen. Several moderate fertilizer applications during the pasture season are better than one heavy spring application. Apply phosphate fertilizers according to the soil tests. Remember in Western Oregon some grasses and legumes are growing the year around.

Irrigation - Water, fertilizers and good plant species, is the secret of good pastures. Irrigate enough to keep active plant growth. For proper irrigation, use a soil auger or bet-

ter still, moisture blocks to determine the amount of moisture in the soil. Shallow, frequent irrigations are not as good as heavier, less frequent irrigations.

Weed Control - Weeds are not much of a problem in a properly managed pasture. Clipping once or twice a year prevents tall-growing weeds from making seed. When undesired weeds appear, such as Canada thistle or Tussock, they can be controlled by spot spraying with properly selected chemicals.

Clipping - Occasional clipping of the pasture evens up top growth, discourages spot grazing and helps control weeds. Clippings should not be closer than 3 inches.

Harrowing - Occasional harrowing spreads livestock droppings and knocks down the occasional rodent mound.

Rodent and Insect Control - Rodents invade pastures. Baiting and trapping are effective control methods. Damaging insects should be controlled. Slugs are one of the more serious insects in irrigated Ladino pastures. Good control methods are not available, but metaldehyde baits are helpful.

Rotate Use of Field - Don't eary-graze the same field every year. Alternate the fields for silage and hay use. Allowing some tall growth on each field every year helps prolong the life of the pasture.

Tall-growing grasses and legumes do not make their most rapid growth until 10-12 days after grazing or cutting. Each field or pasture should have 24 to 26 days' growing period between pasture periods or grazings to take advantage of the period of fastest growth.

Daily Rationing - Pasture arrangements which provide new grazing fields daily gives highest yields and best utilization. When properly arranged this method of management requires very little more time than the old rotation method of grazing, results in less livestock bloat, and is cheaper than the green chop method of feeding.

Short-lived pastures best. Five to ten year old pastures

are highest yielding. When possible, pastures should be re-worked and used to grow rotation crops. Pastures build fertility in the soil, but if left too long become contaminated with less valuable pasture plants. Using old pastures for hay, grass and corn provides forage needs and cleans up the fields for new pasture seedlings.

The fertility, management and irrigation program for irrigated pastures should be adjusted to get maximum production from clover and take advantage of the nitrogen that can be fixed by the clover.

The fertilizer program should be based on a soil test that can give you measure of the available nutrients in the soil. Legumes must have an adequate supply of: Lime, Phosphorus, potash, boron, sulphur. A soil test can tell you how much of these four you need.

Most Willamette Valley pastures need lime. About 50 percent will need phosphorus. About 25 percent will need potash. The rate of application will depend on the soil test. Probably most will need boron - about 1 1/2 to 2 lbs. of boron acre year. All legumes need sulphur - about 40 lbs. of sulphur per acre year.

Nitrogen can be used to stimulate early spring growth of grass and to control the balance of clover and grass during July and August. Generally, nitrogen applied during the summer months will stimulate the grass and decrease the growth of the clover; the total yield of a good pasture will not be increased very much during July and August by fertilizing with nitrogen.

Early spring application of nitrogen will step up the date you can start pasturing and will generally return about 1,000 lbs. of increased yield (dry weight) for each 30 to 40 lbs. if available nitrogen applied.

Why are some dairy farms more profitable than others? Management makes the difference. Good management means good balance of the factors of production. Most successful dairy farms have: (1) Larve size of business (2) High producing cows (3) Efficient low cost of buildings and equipment (4) Good labor efficiency (5) Efficient feeding

(6) High quality low cost roughage. Each of the factors listed are important. Lets take roughage for an example. How much variation is found in pasture costs - and important part of roughage costs

NOTICE OF SCHOOL BUS PURCHASE
Sealed bids will be received at the office of the Estacada Union High School, or may be

delivered to James W. Smith, Clerk of School Dist. No. UH6, Clackamas County, Oregon, for furnishing and delivering one 66 Passenger School Bus.

Bids will be received until 8 P.M. June 13, 1957.

Under no circumstances will bid be considered if filed after the hours specified in this announcement.

Specifications may be obtained by calling Estacada 93-11, or by calling in person at the

Estacada Union High School. The board reserves the right to reject any or all bids. Publ. May 17, 24, 31

IMPORANT MEETING

Dorothy Hamilton announces that there will be a meeting of the Old Times Festival board of directors, and anyone who is interested at the Sportsman's Cafe, at 12:00 noon Wednesday June 5th.

The Cream of the Crop

THIS WEEK'S SPECIAL!

1956 FORD Crown Victoria Hardtop \$1995
RADIO, HEATER, PAD DASH, AUTOMATIC TRANSM. and WHITE SIDEWALL TIRES

1955 CHEV. DeLuxe 2 Door \$1395
6 CYLINDERS, RADIO and HEATER

1955 CHEV. 4 Door Bel Air \$1595
RADIO, HEATER, OVERDRIVE, NEW TIRES. SHARP!

1956 CHEV. Del Ray \$1895
8 CYL., POWERGLIDE, NEW TIRES, RED and IVORY.

1955 OLDS 4 Door '88'
POWER BRAKES and STEERING, HYDROMATIC, RADIO, HEATER, U.S. ROYAL MASTERS, 1 OWNER. 21,000 ACTUAL MILES. THIS CAR IS FAR ABOVE AVERAGE. MUST BE SEEN TO BE APPRECIATED!

Miller Chevrolet Service
ESTACADA

Coffield's Stupendous, Colossal Month End Clearance Sale

1C SALE! 1C SALE! 1C SALE!
BABY FOOD

Bib ORANGE, Reg. 10c, 2 for **11c**

Swift EGG YOLK Reg 2 for 43c, 4 for **44c**

Sugar Daddy Candy, Box 24 Reg. 95c
Special 2 for **96c**

SOAP

ALL Dishwasher, Reg. 49c,, 2 for **50c**

Choc Fudge Frosting Mix Reg 39c, 2-**40c**

Choc Angelfood Mix Reg 59c, 2 for **60c**

Prime MACKEREL, Reg 19c, 2 for **20c**

Libby Frozen Lemon Ade Reg 15c, 2- **16c**

Fcy long grain Rice Reg 2-39c, 4 lbs. **40c**

Mary Kitchen Rst Beef Hash Reg 39 2-**40c**

Bulk Bakers Cocoanut reg 8 oz 27c

SPECIAL 16 oz. **28c**

Choc Cake Mix, Reg 33c, 2 for **34c**

CHOICE MEATS

Our Meat Counter Is Stocked with Beef from Our Own Angus Herd!

HAMBURGER 3 Lbs. (limit 3) **\$1.00**

1 Gal. Amine Weed Killer, Reg. \$3.50

Special while it lasts! Gal. **\$2.25**

Giant Trend Detergent Reg 55c, **49c**

Liquid Trend, Reg. 53c, **45c**

5 Gal Can Ester WEED KILLER, Reg. \$15
Special (Limit) **\$10**

Hi-C Orange Drink Reg 32c **25c**

ALL PRICES FOR

Friday - Saturday Specials, May 31, June 1

10 LBS. SUGAR 85c (Limit 1)

50 lb iodized Block Salt, Reg 1.35, **\$1**

FREE! 6 Cans of Grape CAN O' POP with ALL ORDERS OVER \$5! (Limit 6)

FREE Tube 100 Ice Cream Cones Reg 89c With 1 gal. ICE CREAM, **\$1.98, limit 1**

Carnation Bulk Instant Milk Reg 28 oz. for 79c, NOW 56 oz. for **89c**

Cutrite Wax Paper, 125' roll Reg. 27c SPECIAL **19c**

BARGAIN ROOM ONLY

COFFIELD'S MARKET, Estacada