



Pasturing Cows for First Time in Spring

Sudden Change in Diet May Lower Milk Output

Although luscious, green grass is one of the best dairy feeds, milk production may drop when cows are first turned out to pasture unless special care is taken to prevent it, says W. B. Nevens, professor of dairy cattle feeding, University of Illinois college of agriculture.

It is best not to turn cows to pasture for the first day until after they have been well fed in the barn, and then to limit the number of hours at pasture for the first two or three days. A sudden change from the feeding of hay, silage and grain mixture to pasture feeding only may cause a sudden drop in milk flow and digestive disturbances.

Fresh, green grass is so palatable in early spring that cows will fill up on it if given the opportunity, but, because of the high water content of the grass, they fail to receive enough nutrients from grass alone to maintain high milk production.

A grain mixture should be fed to higher-producing cows throughout the pasture season, Nevens points out. Holsteins, Swiss and Ayrshires need about one pound of grain mixture for each three pounds of milk produced over and above 30 pounds daily, while Jerseys and Guernseys need about one pound of grain mixture for each 2.5 pounds of milk a day over and above 20 pounds daily.

If cows do not care for grain mixture when pastures are luxuriant, it may prove advantageous to take them from pasture one or two hours before feeding time so that they will consume the mixture more readily. The use of 1 1/2 to 2 per cent of salt in the grain mixture is also helpful. As soon as pasture grasses begin to ripen or become scanty in amount, the rate of feeding may need to be increased.



It may not be a root suit but it's the style for smart high school students this season.

Agriculture in Industry

By FLORENCE C. WEED

SHEEP

One industry where there is never a surplus is wool-growing. The United States has 472,000 wool producers and 46,000,000 sheep, yet 40 per cent of the nation's requirements must be imported. Two-thirds of our output comes from the Rocky mountain and West coast states. Chief producers are Texas, California, Wyoming, Montana, South Dakota and Ohio. We also produce each year, about 350,000,000 pounds of shorn wool and 60,000,000 pounds of pulled wool from slaughtered sheep.

After the fleece is removed from slaughtered sheep, the slat goes into glove leather, lining for shoes, sweat bands for hats, and college diplomas. The wool grease or Lanolin is used as a basis for medicinal ointments.

Sheep fat has wide uses in tallow, soap, stearine or oleo oil. As glycerine, it goes into anti-freeze liquids and finds uses in paints, cellophane, cosmetics and bases for polish. Blood is used in serums, medicines, weather-proof glue and animal feed and as a retardant for plaster.

It requires the glands of 100,000 lambs to make one pound of adrenaline, the powerful heart stimulant which has been known to cause a heart once stopped to resume its beating. Sheep intestines become strings for violins, cellos, harps and ukuleles and many other musical instruments. They are much used for surgical ligatures to tie the blood vessels and sew wounds during operations. They are much favored because nature absorbs them while the wound is healing. The best quality of casings can be used for strings for tennis rackets.

Farm Notes

Agricultural insecticides and fungicides will be available in sufficient quantities this year for all farm and urban victory gardens.

The churning of sour cream is easier than the churning of sweet cream. You can sour, or ripen cream by keeping it at a temperature of about 70 degrees the day before churning.

Household Hints

When two glasses become wedged together, place cold water in the upper one and set lower one in warm water. They will then separate with little effort.

Sprinkle a cake with cornstarch before icing to prevent icing running off.

If ivory enamel is to be used on furniture an undercoat of flat ivory paint first should be put on. Imperfections in the application of enamel will show less if a flat coat is added first.

To prevent the lower crust of fruit pies becoming soggy, brush over with the white of egg before putting in fruit filling.

When tablecloths wear thin in the center, cut up the outside into 12 or 16-inch squares and hem-stitch and use as napkins.

Do you know the new regulations on packages sent to men in the service? Here they are: You can send packages to soldiers anywhere in the U. S., although there are now Post Office restrictions on packages to overseas Army men; and you can send packages to men in the Navy, Coast Guard, and Marines, wherever they are. And when you send that package from home, remember—the gift men in the service always appreciate is cigarettes. And the favorite with men in the Army, Navy, Coast Guard, and Marines is Camel (based on actual sales records in Post Exchanges and Canteens). So stop in at your local dealer today—and mail him a carton of Camels.—Adv.

TABASCO

The snappest seasoning known, and the world's most widely distributed food product! A dash of this pungent sauce gives a rare flavor to any food. TABASCO—the seasoning secret of master chefs for more than 75 years!

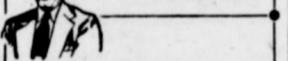
The Vanquished
The discouraged are already vanquished.—Bishop Spalding.

DON'T LET CONSTIPATION SLOW YOU UP

When bowels are sluggish and you feel irritable, headachy, do as millions do—chew FEEN-A-MINT, the modern chewing-gum laxative. Simply chew FEEN-A-MINT before you go to bed, taking only in accordance with package directions—sleep without being disturbed. Next morning gentle, thorough relief, helping you feel swell again. Try FEEN-A-MINT. Tastes good, is handy and economical. A generous family supply costs only

FEEN-A-MINT 10¢

SNAPPY FACTS ABOUT RUBBER



War workers cars are being checked in company parking lots by at least one manufacturer to make certain that tires are kept in serviceable condition. If the worker fails to have his tires re-capped in time he is denied further application either for tires or receipts.

It takes three to eleven times normal distance to stop on snow or ice without tire chains, and you can't negotiate slippery hills with bare tires that spin on packed snow, waste gas and wear tires.

Each tapper on a rubber plantation is responsible for about 300 trees, which in one day's tapping will net an average of 50 pounds of latex, equal to about 17 pounds of dry rubber.

Automotive conservation authorities in New Hampshire boast of the reduction of that state's tire needs by 87 per cent as an example of what can be done in saving rubber now on motor vehicles.

Jersey Shaw
In war or peace
B.F. Goodrich
FIRST IN RUBBER

YOU'LL MAKE TOM PROUD TONIGHT, DEAR, NOT EVERY ENGAGED GIRL CAN TURN OUT SUCH PERFECT COFFEE CAKE, AND SO QUICKLY!



PATTERNS SEWING CIRCLE



1744-B

It Fits Beautifully

A REAL indispensable—beautifully fitting shirtwaist with kick pleat and action back.

Barbara Bell Pattern No. 1744-B, designed for sizes 12, 14, 16, 18, 20; 40 and 42. Corresponding bust measurements 30, 32, 34, 36, 38, 40 and 42. Size 14 (32) requires, with short sleeves, 3 1/2 yards 39-inch material.

Due to an unusually large demand and current war conditions, slightly more time is required in filling orders for a few of the most popular pattern numbers.

Send your order to:

SEWING CIRCLE PATTERN DEPT.
149 New Montgomery Street, Calif.
San Francisco
Enclose 20 cents in coins for each pattern desired.
Pattern No. Size.....
Name
Address

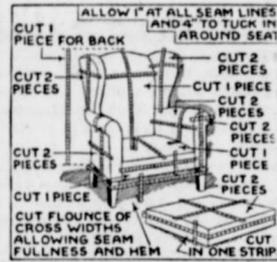
1748-B

Princess House Frock

LIKE looking neat, pretty and efficient? Just button into this princess house frock and presto . . . perfection.

Barbara Bell Pattern No. 1748-B, designed for sizes 32, 34, 36, 38, 40, 42, 44 and 46. Size 34 requires 4 1/2 yards 33-inch material.

You'll Save Material by Measuring For Slip Covers This Easy Method



YOUR tape measure and a little figuring can help you save material when making those new slip covers. In estimating goods remember that the length and width of each section must be the same as the widest and longest measurement of the part of the chair to which it is to be fitted plus seams, seat tuck-in and flounce fullness. The method of measuring is shown here.

Slip cover material usually comes in 36 and 50-inch widths. Frequently a narrow chair back may be covered by splitting a 50-inch width of goods. For other chairs 36-inch material might be cut to better advantage. If the material has a large figure an extra yard will be needed for matching and centering the design. Decide in advance which seams are to be accented with welting or trimming and measure them to determine the amount needed.

NOTE—Do the springs in your chairs need fixing? Mrs. Spears' new BOOK 9 gives illustrated directions for doing this. This book also contains more than 30 other thrift ideas for keeping your home attractive in wartime. Copies of BOOK 9 are available at 15 cents each. Address:

MRS. RUTH WYETH-SPEARS
Bedford Hills, New York
Drawer 10
Enclose 15 cents for Book No. 9.
Name
Address

ASK ME ANOTHER?

A General Quiz

The Questions

1. Exclusive of the armed forces, how many people are now on the federal payroll?
2. What was the real name of Billy the Kid?
3. What is the approximate area of Alaska?
4. What is the position of the Tropic of Cancer in relation to the equator?
5. An Andalusian is a native of what country?
6. Who is the patron saint of the huntsman?

The Answers

1. Two million, five hundred thousand. The payroll totals \$400,000,000 a month, \$5,000,000,000 a year.
2. William H. Bonney.
3. About 586,000 square miles.
4. North of the equator.
5. Spain.
6. St. Hubert.

Paper Watermarks

A watermark is obviously a very valuable trademark, since it is embodied in the paper without interfering with that paper's usefulness. The name of the inventor of watermarks is unrecorded. We find watermarks as far back as the 13th century.

Briefly, a watermark is made by incorporating a design in thin wire in the mold on which paper is being formed. Where the wire touches the paper, it is naturally thinner. And so the impress of the wire is visible if the finished paper is held up to the light.

Uncle Phil Says:

There's Hope for Us

Perhaps we are not as absent-minded as we are thought to be, or we could forget our troubles.

Some men are born great, but the majority don't even have greatness thrust upon them.

Nature is a good mother, but she coddles no one.

Every wife knows that it is not all vanity that makes a husband delight in her fine clothes. He glimpses how it exhilarates her.

Have You Noticed It?

Journalism has made great advances since we were a boy. Now the number of casualties in a great disaster is approximately what the first reports say they are.

An auctioneer must be very wide awake, but that doesn't get him anywhere if the people don't nod.

Arise with the lark, but avoid larks in the evening.

No one writes the way he talks. If he did, there would be no literature.

NO ASPIRIN

can do more for you, so why pay more? World's largest seller at 10¢, 36 tablets 20¢, 100 for only 35¢. Get St. Joseph Aspirin.

—Buy War Savings Bonds—

VITAMINS A, B, D

LESS THAN 1/2¢ A DAY
OVER 30 WAYS TO SUPPLY IT

Yes, GROVES' A, B, D Vitamins are priced amazingly low... less than 1/2¢ a day when purchased in large size. Unit for unit you can't get finer quality vitamins. Quality and potency guaranteed! Get GROVES' Vitamins A and D plus B at your druggist today!

Over 2 Weeks' Supply 25¢

GROVES' Vitamins A, B, D

Cereals Save

★ TIME ★ WORK
★ FUEL ★ OTHER FOODS

The SELF-STARTER Breakfast



Kellogg's Corn Flakes are restored to WHOLE GRAIN NUTRITIVE VALUES of Thiamin, (Vitamin B1), Niacin and Iron.

IN THE COAST GUARD they say:

- "SACK DRILL"—for take a nap
- "FISH"—for torpedo
- "FOUR-O"—for very good, or tops
- "CAMEL"—for the favorite cigarette with men in the Coast Guard

FIRST IN THE SERVICE

With men in the Coast Guard, Army, Navy, and the Marines, the favorite cigarette is Camel. (Based on actual sales records in Canteens and Post Exchanges.)

FOR RICH FLAVOR AND EXTRA MILDNESS, CAMELS ARE FOUR-O!



Camel

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