

### Wood Products In Cattle Ration

Cows Keep up Weight and Milk on Diet That is One-Third Sawdust.

Hygienic sawdust as a part of a ration for cows is apparently giving satisfactory results in Wisconsin. The Forest Service of the United States Department of Agriculture reports that cows at the Agricultural College of that State are doing as well on a ration consisting of one-third sawdust as they did when their feed was only one-fourth wood meal. That is to say, they are keeping up their weight and their milk production show no ill effects from the diet.

### GET READY NOW FOR THE NEXT CROP OF LAMBS

Selection of Both Ram and Ewes Necessary for Success in Breeding.

Successful sheep husbandry requires careful preparation for the next lamb crop. It matters little what time of the year it is, whether the ewes are just bred, the lambs just weaned or the lamb crop just due, preparation for the next crop should be kept in mind. No time is more important than during the previous lambing season. At that time notes and records should be kept of all important items regarding the behavior of the ewes, the number of lambs each raises, and whether they are good mothers or not, whether their udders are healthy and well balanced, or any other valuable notes of this kind. Any ewe that does not successfully raise her offspring should be culled rather than re-bred.

### Should Discuss Dairy Produce Act

Desirable That Every District Express Views on Regulations.

In order to comply with the desire which has been so generally expressed by dairy organizations throughout the country the Minister of Agriculture introduced a bill to regulate the grading of dairy produce, which passed the House of Commons and the Senate during the last days of the session.

### SPRAYING OF POTATOES IS PROFITABLE

Importance of This Work Not Understood as it Should be by Farmers.

By A. KELSALL, Entomological Laboratory, Annapolis. In the Maritime Provinces it has been several times said that there are four main factors under the grower's control which determine the potato crop. These are: seed, cultivation, fertilizers and spraying. All are undoubtedly important, but very frequently the one least understood is that of spraying. There have many times appeared in various papers the results of yields on sprayed and on unsprayed potatoes. Spraying for the control of the potato beetle is necessary and profitable. Spraying to control the control of potato blight is a highly profitable operation almost every year, increases in yields sometimes being obtained as high as 200 bushels per acre.

### Fertilizers Aid In Reducing Crop Losses

Unlike Manure They Seldom Carry Disease Germs to the Growing Crops.

In a recent issue of The Ohio Farmer Prof. F. W. Bear presents a thorough and practical discussion of the importance of soil sanitation. After calling attention to the value of crop rotation as a general preventive measure, and to the prevention of such diseases as potato scab, club root and grain smut by special treatment, and calling to your attention, also, the development of certain disease-resistant crops, Professor Bear makes the following significant statements regarding the use of fertilizers: "The use of fertilizers has certain advantages which merit consideration. Unlike manure, they are seldom, if ever, the carriers of disease organisms. They may escape the danger of the fact that the selection may be made in such a way as to give the plant its best opportunity for vigorous growth whereas the use of manure, if above ground or have been transplanted. Again, the prevalence of certain diseases as the rusts under certain climatic conditions can be overcome, at least to a certain extent, by the use of phosphate and potash fertilizers as a means of balancing the ration of the plant against an abnormal supply of nitrogen accompanied by an excessive vegetable growth. There is every reason to believe that the proper feeding of plants is as definitely related to their health and disease resistance as is the case in animals."

### SAVED FROM LIFELONG MISERY

And a Dangerous Operation, by Taking "FRUIT-A-TIVES"



MRS. M. J. GORSE, 3228 Union St., Vancouver, B. C. "I suffered with all the symptoms of Female Trouble, with chronic Constipation and constant Headaches. I had pains low down in the back and sides of the body. I tried various remedies without relief, and then put myself under a doctor's care and he advised me to have an operation. I refused. Then, I started taking 'Fruit-a-tives' and from the outset, I felt better, and this medicine has completely relieved me of all my misery and suffering. My weight was only 115 pounds and now it is 165 pounds. I am free of pain and headaches and the terrible Constipation; and what saved me from misery is the splendid fruit medicine, 'Fruit-a-tives'."

### Small Pasture Areas Are Best For Sheep

Will Thrive Better on Small Field and Constant Change of Pasture.

For health and for economical use of the pasturage it is undesirable to keep sheep on the same ground more than from 10 to 14 days, say specialists of the United States Department of Agriculture, in discussing the question of raising sheep on temporary pastures. The most generally used size of lot is one acre to 25 sheep. This area, on an average, furnishes in experiments 14 days' feed. Arranging the size of the lots on the basis of 1 acre to 25 sheep is satisfactory than seeding large areas and using hurdles to permit advance to fresh feed each day. Labor is necessary, and by going entirely new ground after 10 or 14 days the danger of picking up parasites larvae on ground grazed earlier is prevented. With a lot of 25 ewes, or corresponding larger ones for larger flocks, it is an added advantage if their length of stay on the lot is limited to two or three times the breadth of the lot. With a heavy crop of forage the lot would last longer than was considered safe to hold the flock on the same ground, a short piece of cross fence can readily be put down to divide the pasture into two parts. The smaller lots are also convenient with pure bred flocks to provide for the separate pasturing of smaller lots of rams and ewe lambs. Movable fencing is not likely to be satisfactory for the outside lot fence unless the whole area to be used is used in a long strip with side fences, when only two end pieces of the fence being grazed.

### Bread for Sandwiches or Toast if made from REGAL FLOUR

always assures the success of an "afternoon tea"

Particulars Cooks demand REGAL

"It's Wonderful for Bread"

### A SURE RELIEF FOR WOMEN'S DISORDERS

10 Days' Treatment Free

### ORANGE BILLY

Orange Billy is a certain relief for all disorders of women. It is applied locally, and is absorbed into the suffering tissue. The dead waste matter in the congested region is expelled, giving immediate mental and physical relief; the blood vessels and nerves are toned and strengthened; and the circulation is rendered normal. As this treatment is based on strictly scientific principles, and acts on the actual location of the disease, it cannot help but do good in all forms of female troubles, including delayed and painful menstruation, leucorrhoea, falling of the womb, etc. Price, \$2.00 per box, which is sufficient for one month's treatment. A Free Trial Treatment, enough for 30 days, with 75c. will be sent free to any suffering woman who will send me her address. Enclose three stamps and address Mrs. Lydia W. Laid, Windsor, Ont. SOLD BY LEADING DRUGGISTS EVERYWHERE.

### FLEET FOOT

means Style, Wear, Comfort and Economy

PUT the whole family in FLEET FOOT this summer. There are FLEET FOOT styles in oxfords, pumps, sport shoes, working shoes—FLEET FOOT styles for home, business, evening wear, holiday time—for men, women and children.

FLEET FOOT are certainly the most attractive shoes for summer wear. They are so well made, of such excellent materials, with tough rubber soles and heels, that you can count on long wear from every shoe stamped with the name FLEET FOOT.

They are easy and comfortable; the coolest and most restful footwear that can be worn on hot days.

Look for the name **FLEET FOOT** in this style of lettering on every pair.

FLEET FOOT shoes are sold by the leading dealers everywhere

Bordeaux mixture is by far the preferable material to use on potatoes. Spraying should commence with Bordeaux mixture the 4-4-40 formula, and the spraying machine used is delivering lots of spray, say 30 gallons or more to the acre, this formula may be continued throughout the season. But we have found it advisable, particularly where machines are delivering less spray, to use the formula 5-5-40 for the second spray and 10-10-40 for the third and following sprays. In order to poison the potato beetle a poison has, of course, to be added, and one of the cheap and convenient materials is arsenic of lime, which should be added at the rate of 1 1/2 lbs. per 40 gallons. In New Brunswick, particularly, arsenate of soda is used for this purpose, and the names of "Arsenoid" and "Sol Arsenic" are also an excellent material and should be used at the rate of one pound to forty gallons of Bordeaux mixture.

White arsenic is undoubtedly the poison which it is cheapest and most effective. The ordinary Bordeaux mixture who make this Bordeaux mixture by keeping on hand a stock solution of copper sulphate. White arsenic can only be used in Bordeaux mixture, for the ordinary Bordeaux mixture. And ever in Bordeaux mixture it must be used in a particular manner in order to make it absolutely safe for the plants. When directions are followed there is no doubt that it is the cheapest of all fungicide-insecticide combinations, and perfectly efficient in its use. It is important to properly use white arsenic it must be mixed in a dry condition with an equal weight of hydrated lime. This mixture can be purchased under the name of "White Arsenic" and is also generally known as white-arsenic-hydrated lime mixture.

Supposing it is wanted to prepare ten gallons of copper sulphate stock solution, the following is the procedure: Sift 2 lbs. of the white arsenic into a 100 gallon measure (200 lbs. into 10 gallons of water and stir. In a bag suspend in 10 lbs. of copper sulphate, and occasionally while the copper sulphate is being stirred give the material a stir. This should be made a day or so before using, but when made will keep indefinitely. This solution of copper sulphate and poison should be used just like an ordinary stock solution of copper sulphate. It will be a blue solution containing green precipitate, and should be of course, thoroughly mixed before using. The Bordeaux mixture which is made from this stock solution will be more green in color than an ordinary Bordeaux mixture.

In some districts for the past few years the potato aphid has been troublesome. The ordinary Bordeaux mixture has no effect on this insect. When potato aphid first make their appearance one pint of ninety sulphate per 100 gallons should be added to the regular spray. However, if the potato leaves are curled by the aphid before they are noticed, it is useless to attempt to control them. Also, if the spray rig being used will not direct spray upwards on to the under side of the leaves, it is useless to try and control the potato aphid.

Time of Spraying. Spraying should commence when the plants are about nine or ten inches high, or younger if the potato beetles are troubling them. From that time on, a fresh application should be made about every twelve days. If the weather is wet the periods between spraying should be made shorter, but if the weather remains fine a somewhat longer period will do very well.

Dusting Potatoes. The dusting of orchards is now so common that it is only natural that many should think of following the same procedure with potatoes. We have always had good results from dusting potatoes when it has been properly done. For small areas of potatoes a hand duster is very satisfactory. But for large areas this means too much work, and unfortunately a really good traction duster has not yet been put on the market. Persons who own a power orchard duster can very well use this machine and get good results. In our experience so far we have found the best dust to use on potatoes to be composed of the following materials: 15 lbs. dehydrated copper sulphate, 10 lbs. arsenic of lime and 75 lbs. of hydrated lime. In applying this dust the same rules hold good as in applying dust to orchard, namely, that the best work is done when the air is calm and preferably when the plants are wet. On full grown potatoes about 50 pounds of dust per acre per application are used.

Just Ran Into Each Other. Mrs. E. G. Westlake, 1446 Chase Avenue, whose automobile was struck by the "temperamental-car" of Mrs. Richard R. Brown, 1645 Greenleaf Avenue, Saturday night, denies that she and Mrs. Brown were well acquainted, reported in Sunday's Tribune—Chicago Tribune.

### Precautions Against Bovine Tuberculosis

Regulations Have Proved Successful and Many Herds Now Accredited.

A few years ago the United States Department of Agriculture, recognizing the necessity of more effective measures for the control of tuberculosis, arranged a conference with officials of the Bureau of Animal Industry at Washington, the result of which was the adoption of what is known as the Accredited Herd Plan, meaning that the herd had been thoroughly tested and found entirely free from any symptoms of tuberculosis. The plan proved so successful—over a thousand herds being accredited in a brief period—that a decision was arrived at to adopt the system in Canada. Regulations were promulgated which came into force in September, 1919, and have proved gratifyingly successful. A number of herds having been accredited, while many others are under test. There is now an agreement between this country and the United States that cattle from accredited herds may enter either way, without detention or test. Under the Mutual Tuberculosis Order, passed at Ottawa some years ago, and the more recently adopted Accredited Herd Plan, compensation is paid for animals officially slaughtered and the owners are permitted under regulation to reuse whatever they can from the meat of the carcass.

### Class Always for Him.

"Fery was knocked down by automobile the other day."  
"Was he hurt?"  
"No, simply frightened."  
"How's that?"  
"It was a Ford."

# WRIGLEY'S

## Newest Creation

### WRIGLEY'S NIPPS

10 FOR 5¢ CANDY COATED PEPPERMINT GUM

Wm. Wrigley & Company Limited, TORONTO

Luscious candy coating around a nippy zippy bit of peppermint chewing gum.

Sweeten the breath, aid digestion, allay thirst and help keep teeth white.

# GREAT 5¢ TREAT!

## The Flavour Lasts

### "NO MANDATE" IS CLAIM AGAIN OF LIBERAL LEADER

Hon. W. L. Mackenzie King Tells Quebec Audience Premier Usurps Power.

### ONLY GOVERNMENT WITHOUT ELECTION

Declares Canada is Suffering from Extreme Attack of Toryism.

(Continued from Page 1) Developing his parallel, Mr. King said Canadians were beginning to discover wherein the liberties they had previously enjoyed had been paid with a degree never dreamed of before. The people saw themselves deprived of the rights of a representative parliament and a responsible ministry.

They saw the functions of government "carried on by a usurper, who exercises his authority, not in virtue of any power derived from the people but solely as the outcome of arbitrary enactments and political might."

Canada, he said, was becoming more and more impatient of this reactionary spirit and the perpetuation of the military spirit by which the government maintained through a combination of political autocracy and industrial plutocracy brought into being by war conditions and fostered through war necessities.

### Save The Children

Mothers who keep a box of Baby's Own Tablets in the house may find that the lives of their little ones are reasonably safe during the hot weather. Stomach troubles, cholera, infantum and diarrhoea carry off thousands of little ones every summer. The cause is the bacteria which do not have a safe medicine at hand give promptly. Baby's Own Tablets relieve these troubles, or if given nationally to the well child will regulate the bowels and keep the stomach sweet and pure. They are sold by medicine dealers or by mail at 25c a box from The Dr. Williams' Medicine Co., Brockville, Ont.

### Border City Horse Race

St. Stephen, N. B. July 1—A game afternoon was enjoyed at Trotting Park under the auspices of the Agricultural Society and in service of Dominion Day, a game, three trotting races and a running race furnishing the programme. In the ball game, Shields and Jellison battery for Stephen, Losear and Markey batt for Calais. St. Stephen won by score of seven to three. The following summaries gave the results of the horse races:

Running Race	
St. Stephen	4 1 2
Nod (C. W. Hanley)	2 3 1
Electric (M. Casey)	1 2 2
Darky (J. Tracey)	3 4 4
Time—2:33 1/2, 2:32, 2:33, 2:33.	

  

Colt Race	
La. Patchen (C. W. Hanley)	1 3
Harry Hal (F. McGlinchey)	5 1
June	2 2
Ion	3 2
Iowa Lou (Chas. Trimble)	3 4
King George (W. Logan)	4 5
Time—2:33 1/2, 2:32, 2:33, 2:33.	

  

Free-For-All	
Hanks Belini (C. B. McKay)	2
Little Gull (F. R. Halley)	1
Dick DeForest (D. W. Groves)	3
Time—2:30, 2:19, 2:18.	

  

Named Race	
Maine Todd (C. Kyle)	1
Randa W. (C. B. McKay)	2
Tornado (D. Groves)	3
Casid W. (R. E. Hyslop)	4
Seldom S. (H. H. Halley)	5
Time—2:31, 2:31, 2:32 1/2.	

### Carticura Soap

The Healthy Shaving Soap