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SUNGLO

VIXEN AND PUPPY STARTER

should be fed to Vixens after pups are 10 days old and until weaned. Increase red meat after whelping date is 1 week past, and use:

SUNGLO VIXEN AND PUPPY STARTER—

1/3 by weight RED MEATS 1/3 by weight OFFAL 1/3 by weight SOAK THE CEREAL IN WHOLE MILK, and 1 EGG per 3 PUPS should be fed daily in addition to above, breaking them over the pans of feed.

FEED SHOULD BE INCREASED TO ALL VIXEN WILL EAT TWICE A DAY, TO INSURE WELL STARTED PUPS.

International Fox & Animal Feeds Ltd.

**TIMELY NOTES ON TOPICS
CONNECTED WITH
Silver Fox Farming**



The writer had an interesting conversation with a silver fox rancher yesterday who told of his difficulties this spring. As the same troubles may be confronting other ranchers I am going to repeat the conversation in abbreviated form. "Late last fall," said my friend, "I placed forty pups in open pens that had been vacated by adult foxes which I pelted. This spring I had an excellent production from them but the litters were mostly late ones and when I looked at them at ten days after birth they had the appearance of being infested with worms. I dosed them and found that they were alive with them. Some of the pups could not expel the worms and died. Opening the carcasses I found the bowel plugged with masses of worms. I cannot understand how this could come about as I am confident the parent foxes were free from worms when placed in the pens last fall. They had been on board floors from the time they were a few weeks of age and had been dosed two or three times."

My explanation to him was: Last fall was a mild and very damp one, just the kind of conditions favorable for the development of parasites. At no time did the temperature go down to freezing and most of the time it was well above fifty degrees. It is a fact that the first frost usually leaves hookworm and lungworm inert for the balance of the season.

Now the young foxes when placed in the adult fox pens were no doubt clear of parasites, but they were at once exposed to the most favorable conditions for their assimilation and development. Our friend probably had no opportunity to fumigate or thoroughly disinfect his fox houses to kill off the worm eggs that were there and they hatched out in good style in the mild weather. The parent female foxes' teats became infested with these and the little ones sucking her got the full benefit.

Where this explanation does not suffice there is also the fact that snow was off the ground and frost out of it early in March this year. That meant a very favorable condition for the development of round worms and hookworms, so it is not to be wondered at that there are so many complaints this season of difficulties with worms where foxes have been kept on the ground in open pens.

The American Fur Breeder in an editorial says: "Mark these words, the time is coming when there will be a lively trade in silver fox and mink breeding stock. New men are coming into the fur breeding industry. Breeding stock will bring good prices. There will be a demand for wire netting and other ranch equipment."

His remarks are of course meant for American breeders where the duty of fifty per cent has kept the price of pelts up to a higher level than we receive and made good profits for successful ranchers possible.

David E. Gibbs, who is a successful fox rancher in Colorado, in an article which appears in May American Fur Breeder, says: "I operate my ranch with pairs of foxes and my reason is that after trying polygamous mating I was unable to obtain as high a pup average per female as when operating in pairs. I also find the male makes a good parent and the female seems more contented and safe with the male there."

I have been asked the question, why do you place your kennels on the outside of the pens? I use a double kennel and I can close the foxes in one, open the other and clean it out. When it is cleaned out I put the foxes in the clean one and clean out the other side and we have not been in the pen to track worm eggs or what-nots into the next pen. The entire ranch is often cleaned without ever setting foot in a pen, the dirt put directly into the truck and hauled away, thus handling it only once and not walking a step.

My feed usually consists of tripe, hearts and red meat, with cereals during the summer and early fall months, and get up as high as seventy-five per cent later on. I will not argue about feed, but believe if one is getting good results they should stay with it and not be changing from one thing to another. It probably takes more than one year to prove any feed, due to so many things that can or cannot enter into a ranch during the year, such as weather conditions, handling, etc. I have changed my feed but little in the past seven years.

and during that time the lowest pup average was 3.5 and the highest was 4.4 for every vixen in the ranch."

According to Frank Pingree, President of the Canadian Fur Auction Sales Company of Montreal, the quantity of raw furs to be expected at auction sales in Canada and the United States during the remainder of this year will be small. There has been very little carried over and there are no large quantities of furs being held. Mr. Pingree attributed the small catch of wild furs this year to severe weather conditions in Western Canada and the United States.

W. A. Ellison, Jr. of the Research Department, Atlantic Coast Fisheries Corporation, wrote an article for the Black Fox Magazine, which extols the use of fish as a food, particularly now that meat products are so high in price. These are a few extracts: "The fishing industry is experiencing one of its greatest production years. This abundance of fish enables the industry to keep down the prices of its products despite increased production costs. As a result the wise animal breeder, seeing an opportunity to reduce expenses, is turning to fish as an all year round source of meat proteins. Fish also has been recognized as a wholesome and satisfactory food for foxes and minks, but it has been customary for the fur farmer to look upon fish either as a seasonal food or as a supplement to other meat proteins."

The misconception that fish flesh is not as satisfactory a source of meat proteins as the flesh of land animals has no basis in fact. It may have resulted from the unsatisfactory results of feeding poorly prepared fish meals. A rancher should be careful in the use of desiccated products and should know the condition of the fish from which they are made. On the other hand the conclusion that fish flesh is not entirely satisfactory is founded on many misconceptions. Because fish flesh does not exhibit the deep red color which is a characteristic of the flesh of land animals some believe that it cannot possibly supply the constituents to build red blooded tissue. The error in this manner of thinking is readily apparent when we consider the dark meat of reindeers, cattle and horses, whose entire diet consists of cereals and vegetables. The form and color of a food are no indications of its value as a nutrient. These features are quickly distributed when the digestive juices of the animal have done their work.

These juices reduce the food and the chemical contents which are the building material for the body. The amount of this building material supplied by the food determines its worth as a food and the evaluation of any nutrient this value must be determined. Putting it another way, the carbo-hydrate, protein, fat, vitamin and mineral values may be assayed, for from these substances the body is built. If they are present in the proper amounts and are available to the animal it does not matter whether they are plant or animal in origin.

Each of these groups serves a definite function in the animal body. The carbo-hydrates and fats supply most of the energy for body heat and activity. The fat soluble vitamins such as A, D and E are introduced through the food fats. Fat in the body serves various purposes. For example some fat is necessary for the building of certain tissue. Certain organs like the kidneys are packed in fat for protection. Minerals are necessary for blood building, bone formation, hair growth, control of the nervous and circulatory systems. The vitamins assist in the metabolism of the other food elements and keep the body generally in tone.

Since we are dealing with fish we may limit further discussion of the food to proteins, fats, vitamins and minerals, because fish like all other meats are deficient in carbo-hydrates. In respect to the other factors we will learn that fish is an entirely satisfactory source, in some instances being superior to meats.

Proteins may be compared to the materials from which a house is built. They are to the body of an animal what the brick, mortar and wood is to a house. Proteins supply the material from which the animal cells are built. They do not supply the fuel which supplies the energy. Fats and carbo-hydrates usually do this, but in times of emergency when supplies of these are depleted, proteins are oxidized even for this purpose.

The extreme tenderness of fish is

**MICHAEL'S
VICTORIA DAY SALE**

Alymer Tomato Juice, 3 for — 25c
Fresh Bulk Dates, 4 lbs. — 25c
Marmalade, large bottle — 25c
Robin Hood and Purity Flour 85c
Tomatoes, 3 lbs — 25c
Sliced Pineapple, 2 for — 25c
Grocers Special Tea — 25c
Ketchup — 25c

Rhubarb, 4 lbs. — 25c
Cooked Ham, lb. — 49c
Cooked Variety Loaf, lb. — 25c
Cooked Picnic Loaf, lb. — 25c

Creamery Butter, 2 lbs. 49c
Sugar, 10 lbs. — 49c
With your order.

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one of its most conspicuous characteristics. Unlike animals of land, a fish has no weight to support. It is buoyed up by the fur farmer to no work to do and consequently does not have occasion to develop tendons or heavy connective tissue. Fish is easily digested because of these physical features. It requires only a very short time for digestive juices to reduce fish to a liquid condition so that the animal can absorb the protein values."

Commenting on the above, I would say that the article is introduced in considerable detail because of the tendency a great many ranchers have now to make use of fresh fish products. In our own ranch we are feeding it four times a week to the pups for morning feed, and so far they like it very well. Care will have to be taken of course, as the weather gets warmer, to see that the supply is taken care of properly, as nothing spoils quicker, and tainted fish is one of the most dangerous foods.

Ralph McMillan of Hunter River, has attained something of a record in his vicinity with 48 living pups from ten pairs of foxes. Fifty-six were actually counted, but eight of them passed out.

A silver fox with two heads and six legs was recently born on a fur farm in Vienna, and a female fox at Bunbury is said to have mothered two young rats with a litter of fox pups. In Northern Manchuria there are snow white beavers possessing all the animal characteristics of the Canadian Beaver but of a downy whiteness. There is a ranch in England which contains a variety of fur bearing animals and the caretaker who has a facility for making friends with them astonishes visitors by exhibiting a raccoon to which he passes a lighted pipe—and the raccoon actually smokes it!

A Norwegian ship will arrive at Newfoundland May 25th to take on a cargo of whale meat for fox consumption in Norway.

Georgetown

Mr. Philip Doyle, medical student at McGill University, is spending his vacation with his parents, Mr. and Mrs. E. J. Doyle, Georgetown.

Dr. A. J. LaCourriere is now at his home in Georgetown, after having been absent for a number of weeks.

Miss Helen Solomon, R.N., was a recent visitor to Georgetown, the guest of her parents, Mr. and Mrs. P. J. Solomon.

Mr. Joseph Campbell, contractor, was a recent visitor to Georgetown.

Messrs. James Easton and Stephen Scully recently paid a short visit to Charlottetown.

Mr. James Condon, Georgetown, is now located in his new store formerly occupied by J. J. Hughes & Company. We wish Mr. Condon every success.

Congratulations are extended to Miss Doris Stirling, Georgetown, who was the lucky winner of the prize money offered by Mr. Allison McLean at the Town Hall this week.

WHAT IS A BOY?

He is a person who is going to carry on what you have started. He is to sit right where you are sitting and attend when you are gone to those things you think are so important.

You may adopt all the policies you please, but how they will be carried out depends upon him.

Even if you make leagues and treaties he will have to manage them.

He is going to sit at your desk in the Senate, and occupy your place on the Supreme Bench. He will assume control of your cities towns and nation.

He is going to move in and take over your prisons, church, schools, universities and corporations. All your work is going to be judged and praised or condemned by him.

Your reputation and your future are in his hands. All your work is for him, and the fate of the nations and of humanity is in his hands. So it might be well to pay him some attention.

—Author Unknown

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the 24th Starts the Season



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POLO SHIRTS
Wool or Cotton — 75c up
FLANNEL SLACKS
Grey or White — \$3.25 up
SHORTS
of White Duck — \$2.00
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White Wool — 50c

**Boy's White
TENNIS
SLACKS**
Fine Cotton Drill finished with cuff.
\$1.75

GOLF?

Tweed
SLACKS — \$2.50 up
Tweed
KNICKERS — \$4.50 up
SHIRTS
of Light Flannel — \$1.50
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\$3.50 \$15.00

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Brushed Wool
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For the holiday, get yourself a smart, good looking check wool **SPORT JACKET**. Clark Gable back, red, blue, or green **\$3.75** At



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For your holiday, golf or motor trip, nothing could be better than a Knit Wool Suit, cosy, trim looking, keeps you always looking your best, does not crush or muss up. — \$6.95, \$10.75, \$16.95, \$19.50, \$29.50

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Chamoisette
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\$1.**



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THE "NASSAU" TOP to wear with slacks or shorts, practical, economical, easily laundered, Coral, Natural, Turquoise, in all sizes — **\$1.**

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Moore & McLeod Limited

There is Gold in Silver Foxes

April 28, 1936.
Silver Tip Biscuit Co., Ltd.,
Moncton, N. B.
It may be interesting for fox ranchers to know that W. T. Chapman & Son received over \$100.00 for a silver fox pelt auctioned at Montreal April 22nd. This was the highest price for a ranch raised fox sold that day. Chapman's are large users of Silver Tip Fox Feeds and our pelts are always well up in the sales.
(Sgd.) GBO. CHAPMAN,
Sallybury, N. B.
Photo shows W. T. Chapman with a pup from a litter of 7. The mother has had 20 pups in three years and raised them 7, 6, 7. Picture taken June 1st. The mother saved 46 in 7 litters.
W. T. CHAPMAN
Proprietor of the well known Chapman Ranches.
G. W. C.

Eastern Guardian

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