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Salt Is Essential In Stock Feeding

The Animal Body Cannot Do Without It, Experiments Show

All farm animals need salt in their daily diet just the same as human beings do. Their craving for it is not an acquired taste, but is based upon a real need of the body. Salt is one of the essential minerals, and it supplies two substances—sodium and chlorine—which the animal body cannot do without, but which are not supplied naturally in sufficient quantities in grain and pasturage.

Stimulates Appetite

The first and most apparent effect of salt is that it increases animal appetite. It makes the feed more palatable. When feed tastes better, animals eat more of it and make faster, cheaper gains. Every pound of food consumed above bare subsistence requirements is used for growth or production of saleable farm products.

Salt helps digestion. Not only do well-salted animals have good appetites, but they are able to utilize the extra food intake fully, because of the stimulating action of salt on digestion.

What Happens Without It

The late Dr. S. M. Babcock carried out an experiment to find the answer to this question in 1905. Twenty healthy cows were taken and divided into two groups of ten each. Both were placed on the same liberal diet, but one group received no salt. The salt-fed group remained strong and healthy throughout the test, which lasted less than a year. In 2 or 3 weeks the no-salt group showed abnormal salt-hunger, but their general health was not seriously affected till some months later. Every animal in this group sooner or later suffered a complete breakdown, marked by loss of appetite, lustreless eyes, rough coat, and rapid decline in body weight and milk yield. These cows quickly regained their health when salt was returned to their diet. This experiment has since been repeated many times, but always with the same result.

Importance of Salt Licks

The following statements are the advice of practical experts in livestock raising:—

"Domestic animals should have free access to salt at all times. In addition to salt fed mixed in rations, supplementary salt licks should always be provided."

"Feed domestic animals their minimum salt requirements as loose salt mixed in their rations, but keep salt licks before them at all times."

14 Special Days At The Exhibition

The fourteen days of the Canadian National Exhibition this year have been named as follows:—

Friday August 26th, Founders' Day; Saturday, August 27th, Warriors' Day; Monday, August 29th, Children's Day; Tuesday, August 30th, Automotive Day; Wednesday, August 31st, Food Products and Merchants' Day; Thursday, September 1st, Women's and Music Day; Friday, September 2nd, Press Day; Saturday, September 3rd, Manufacturers', Athletic and Floral Day; Monday, September 5th, Labor Day; Tuesday, September 6th, British Empire Day; Wednesday, September 7th, Agriculturists' Day; Thursday, September 8th, Transportation and Commercial Travellers' Day; Friday, September 9th, Live Stock Review Day; Saturday, September 10th, Citizens' Day.

Fillers

As passengers watched, a man dived fully dressed from the liner Kanimbla into the rough sea 250 miles off Adelaide, Australia, and rescued Miss Shirley Hall, aged 22, of Perth, who had fallen from the deck.

BIG BEN

The PERFECT Chewing Tobacco

Every student at Police College, England's training school at Hendon for policemen, costs the Government $2,110 a year in addition to $1,095 for pay and allowance.

Metropolitan Racing Association

LONG BRANCH June 8 to 15

DUFFERIN PARK June 16 to 23

7 Races Daily 2.30 p.m. 7

Fred Orpen, President — Geo. Hayes, Secretary

Jack Miner With a Pair of Blue Geese

Jack Miner, the Canadian naturalist, about to liberate a pair of Blue Geese he has caught and tagged to study their migration route. Blue Geese are not common in Jack Miner's vicinity so Jack Miner was anxious to catch this pair to tag them and find out their migration route. The species that visits Jack Miner is the Canada Goose.

Cape Breton Coal Is Under Water

A Great Deal of It Has To Be Got At By Boring From Below

GLACE BAY, N.S.—Dominion Coal Company drillers had to drive their diamond-tipped shafts upward to discover a seam of coal which is being tested by the company. The deposit, six feet thick, is said to be of excellent quality.

Unable to bore from above into the submarine areas of this southern Cape Breton mining section, drillers probed upwards from the underlying Phalen seam on which Dominion No. 1B, the company's most modern colliery, works. Their drills struck the rich Harbor Seam, more than 400 feet above their heads. A great part of Cape Breton's coal resources lie in submarine areas, some of the mining operations being carried on for miles out under the sea.

Boring a Tunnel

Coal from the Harbor Seam mine, to be reopened soon after 15 years of idleness, will be taken downward through a concrete tunnel into No. 2 mine and will be raised to the surface over the No. 2 bankhead. The Harbor Mine, known as Colliery No. 9 will have no outlet of its own.

For three years mining men worked to bore the tunnel between No. 2 and No. 9. Now the company proposes a similar tunnel from the Harbor Seam to No. 1B Colliery. It is planned to use electric locomotives in the tunnels instead of horses for hauling coal-laden boxes.

Drilling within the mines is only part of the company's development work in search of new coal deposits.

The 20 Latin American countries are estimated to have now over 130,000,000 population.

Ulster will preserve its windmills, with machinery intact, and throw them open to visitors.

HAVE YOU HEARD

FRIENDS

A friend is like an old song grown sweeter with the years,
A friend is one who shares our joys and wipes away our tears;
A friend will look for goodness in everything we do,
A friend is one who knows our faults yet finds our virtues too;
A friend will share a crust of bread, or help to lift a load —
Happy are we who find a few good friends along the road.

There is bound to be tragedy in the life of the man who won't recognize his limitations.

Mrs. Askene — "It's simply ridiculous calling these cashiers in banks 'Tellers'. They won't tell you anything. Why, only yesterday, I asked one how much money my husband had on deposit there, and, would you believe it, he just laughed at me!"

A lot of fellows would save money if their families would let them.

A Western farmer stopped at the bank to see if he could get a loan on his farm.

Banker — "It might be arranged. I will drive out with you and appraise it."

Farmer (noticing a huge cloud of dust rolling up the road) — "You won't need to bother, here it comes now."

It might be disheartening to know what your children really think of you.

Old-fashioned Girl — "All my life I have been saving my kisses for a man like you."

Modern Young Man—"Well, prepare to lose the savings of a lifetime."

READ IT OR NOT!

Tuberculosis is increasing at a disturbing rate among medical students and student nurses in some parts of the world.

The dean of a college was investigating a charge made by some of the girls that the young men who lived in the fraternity house, next door forgot to lower their window shades.

The dean looked out of the sorority window, and said:

Dean — "Why, I can't see into any of the fraternity house windows?"

Girls (chorus) — "Oh, yes you can! All you have to do is to get on a chair!'"

....Gardening Notes....

TENDER VEGETABLES NOW

More tender vegetables are beans, tomato plants, squash, cucumbers and melons. They will not start to grow until the weather and soil really become warm. In order to get a long and steady supply of green beans, make at least three plantings at intervals of ten days, and use several varieties. To do the same thing with tomatoes one may use a few well started plants for the first crop, and hurry these along with fertilizer and possibly with mulch paper. All garden tomatoes always should be staked.

These warm weather vegetables do prefer rich open soil and any members of the melon family, that is squash, cucumber, citron, etc., take special delight in hot, sandy soil, though it must be made rich. Along with the vegetables mentioned, one may set out egg plants, well started peppers and the first planting of celery. The latter must have very rich soil and water during the dry weather. There is still plenty of time to make second and third sowings of nearly all standard vegetables such as beets, carrots, corn etc.

FERTILIZE

Gardeners will find the judicious use of commercial fertilizer a very valuable aide in hastening growth. For lawns and flower gardens, too, where the use of ordinary manure might be offensive, odourless chemical fertiliber is to be preferred. But this sort of thing must be used carefully. If it is allowed to touch the foliage it is apt to burn. With vegetables, the fertilizer is raked in close along the rows without actually touching the tender roots. Two or three applications during the growing season will push all vegetables along quickly.

ENEMIES

General garden insect enemies are divided into two groups — those that eat holes in the foliage and those that suck out the juices. For the first-named, poison is usually applied, while the suckers are attacked with a burning spray which penetrates. Often when both are present a sulphur and arsenate, gives the best results. The damage from the biting insects is usually quite apparent but the presence of the other kind is only shown at first by a wilting or withering of the foliage. For sucking pests, chief of them are the aphids or plant lice, spray with whale oil soap, a quarter pound of soap to a gallon and a half of water; nicotine sulphate or "Black Leaf 40", or any other repellent secured from a reliable seed store. When fungus attacks the plants, the foliage usually turns yellow or brown, or white spots like mildew cover the leaves. Fungus is most common in warm, murky weather. Spraying with Bordeaux Mixture or dusting with specially finely ground sulphur is advised.

BLUEBELL BINDER TWINE —AT— Manufacturer's Prices

Finest Quality 600 and 650 foot grade, Large or Small Balls.

Special Prices on Pure Manilla Rope and Wire Cable

See your Club Secretary, Co-operative Manager, or write

The UNITED FARMERS' CO-OPERATIVE CO., Limited

Cor. Duke and George Sts. TORONTO, ONTARIO

Classified Advertising

AGENTS WANTED

MAN OR WOMAN FOR CUPID CONcentrated Flavors. Fifty varieties. Long profits. Grand route salesman extra. Acme Direct Sales, 615 Yonge, Toronto.

LIGHTNING ROD AGENT WANTED, To sell Phillips Lightning Protective System. B. Phillips Company Limited, Osborne Avenue, Toronto.

ART

IF YOU LIKE TO DRAW, SKETCH OR Paint, write for Talent Test (No Fee). Give age and occupation. Box 52, 73 Adelaide St. W., Toronto.

BABY CHICKS POULTRY AND POULTRY EQUIPMENT

READ WHAT KEN DEACON, MANAger of Glenburn Farms, of Unionville, and son of Colonel Deacon, the well known shorthorn Breeder says about Tweddle Chicks in our No. 3 Chicalogue. Free copy on request. Tweddle Chick Hatchery Limited, Fergus, Ontario.

BRAY CHICKS, SEVENTY - TWO hours on train, arrive at New Perth, Prince Edward Island, all alive. Buyer well pleased. Put sturdy Bray chicks under your brooders. Write for information today. Bray Hatchery, 130 John St. North, Hamilton, Ontario.

GOVERNMENT MARKET REPORTS forecast strong egg market next Fall and Winter. Take full advantage of the profits to be made, with Bray Started pullets. They lay earlier. Write for full particulars today. Bray Hatchery, 130 John St. North, Hamilton, Ontario.

J.D's. BRAY NEW HAMPSHIRE PULlets laid at 4½ months last year. At 6½ months averaged 65 eggs daily, per hundred birds. Buy early-maturing, heavy-laying Bray chicks NOW! Write for prices. Bray Hatchery, 130 John St. North, Hamilton, Ontario

SALE OF LEGHORN OLDER PULLETS 2 weeks old $20.40, 3 week old $24.90, 4-5 week old $29.90. Also Day Old Leghorns, New Hampshire Reds $6.95, Barred Rocks $7.95. Large Egg Quality 1½c per chick more. Baden Electric Chick Hatchery Limited, Baden, Ont.

CHICKS ONE CENT EACH FOR TEN EXTRA, with every hundred ordered Ten Days in advance of delivery, prices lower May 24th and June 18th. Write for list. Trent Electric Hatchery. Box 533W. Trenton, Ont.

JOHNSON'S SUPERIOR CHICKS HAVE BEEN REDUCED IN PRICE. We specialize in two breeds bred to lay Barred Rocks and Barron strain S.C.W. Leghorns. All breeders are blood tested and from R.O.P. males. Only the very best type of breeders are used and eggs set weigh between 25 and 30 oz. per doz. Price Barred Rocks, 9 cents; Leghorns, 8 cents each. 100% safe arrival guaranteed. J. D. Johnson, Fergus, Ontario.

SALE OF DAY OLD CHICKS—LEGhorns 6½, Pullets $13.90. New Hampshire Reds Barred Rocks 7½, Pullets $9.95. Large egg quality 1 cent more. Pullets 2 cents more. Top Notch Chickeries, 16 Wilson Street, Guelph, Ont.

LOOK! REDUCED PRICES ALL BIG 4 CHICKS BACKED BY guarantee that we honestly believe has never before been offered chick buyers. Our catalogue tells you why. Big 4 chicks have extra vitality and ability to lay more and larger eggs because they are backed by a definite breeding program. Breeders Government Inspected, Blood-tested. For immediate delivery: Leghorn Standards, $6.95; pullets $15.90. Barred Rock Standards, $8.95; pullets $13.50. Hampshires, $7.95; pullets $14.90. Leghorn cockerels $1.50. Heavy cockerels $6.00. Premiums $2.00 more. Write for special prices on Started Chicks, Pullets all ages, Capons, and catalogue. Kitchener Big-4 Hatchery, 1083 King St. E., Kitchener, Ontario.

BOATS

PETERBOROUGH BOATS, STURDY, reliable and seaworthy. Write for catalogue, also list of used inboard boats and outboard motors. Peterborough Canoe Co. Limited, 268 Water St., Peterborough, Ont.

CLOTHING FOR SALE

FREE HATS, SHOES, SHIRTS, TIES, etc., with clothing purchase. Write for free illustrated catalogue of clothing bargains, Dept. N. Yonge Street Clothing Exchange, 502 Yonge Street, Toronto.

FILMS AND PRINTS

ROLLS DEVELOPED, PRINTED, 1 free enlargement, 25c. Re-prints, 10 for 25c. Photo-Craft, 183 King East, Toronto.

FOR SALE

YORKSHIRES—AT THE HEAD OF Shadeland Farms herd the Grand Champion, sire of "Sainsbury Trophy" and "Best Market Pen" at Royal Winter Fair. Sows include First and Second winners Toronto and First Guelph. Young males with "Advanced Registry" backing. For Sale, Shadeland Farms, Box 7, Eden, Elgin Co.

FURNITURE

LYONS

Drastic Reductions in Our Trade-In Department

Every article in the store marked down for quick clearance. We must have floor space regardless of cost. Every piece is reconditioned, guaranteed absolutely clean and sold under a definite money back guarantee of satisfaction.

6 piece bed room suite, walnut finish, dressed, vanity, chiffrobe, bed spring and new mattress **$64.00**
Large dresser, steel bed, sagless spring, new mattress **$21.50**
3 piece suite, new modern, floor sample, dresser, bed and chiffonier. **$67.00**
4 piece suite, dresser, chiffonier, full size bed and sagless spring **$39.00**
8 piece solid oak dining room suite, buffet, table and 6 leather seat chairs. Perfect **$24.95**
15 Buffets in oak and walnut finish, from, each **$4.95**
1 only, 9 piece Malcolm Suite in burl walnut, large buffet, china cabinet, extension table & 6 chairs upholstered in blue mohair. Cost new over $350. Completely refinished **$125.00**
Beautiful 9 piece walnut suite, buffet, extension table, china cabinet and 6 leather seat chairs, in perfect condition. **$89.00**
2 only, 3 piece chesterfield suites, upholstered in French jacquard Completely reconditioned. **$24.95**
1 Only—Kroehler Chesterfield bed suite, 3 pieces, Thoroughly cleaned **$49.00**
piece red leather chesterfield suite. Perfect condition. **$69.00**
Beautiful 3 piece mohair suite, reversible Marshall cushions, Perfect condition. **$37.50**
1 only chesterfield bed with large wardrobe box, rust repp **$23.00**
Ice Boxes $4.95, Breakfast Suites $13.95, Dressers, $5.95, Beds $2.50, New Mattresses $3.95, Kitchen Cabinets, $13.50, Gas Stoves $4.95, Chesterfield Suites $13.95, Buffets $4.95, Extension Tables $5.50.

All goods carefully packed ready for immediate shipment on receipt of money order and sold under a definite money-back guarantee of satisfaction. Write for free illustrated catalogue of new and reconditioned furniture.

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Issue No. 23—'38

A—C

MEDICAL

(R. & S.) RHEUMATISM AND STOMach Powder, "The Great Eliminator," Contains ten of Nature's ingredients. Removing the cause and eliminating Rheumatism, Stomach troubles, Arthritis, Neuritis, Constipation, etc. $1.50, $3.00, $5.00. All Druggists. Agents Lymans Limited, Montreal.

ECZEMA, SKIN AILMENTS, SORES, quickly healed by Dermisoothe, the clean, white, antiseptic ointment. Sample mailed free direct. 35 cents at all druggists. Twentieth Century Remedies, 87 Ingham Ave., Toronto.

SUCCESSFUL SCIENTIFIC STOMACH Remedy healed many obstinate cases. User states: For years I was troubled with gnawing pain below breastbone. It caused gas and bloating. I tried many remedies, but my only relief was soda, and that for short time only. After meals it didn't bother me for few hours; then if I ate something it stopped coming again after some time. The pain bothered me worse at night. After taking 3 bottles Dr. McLeod's Stomachic I was free from pain. I kept on improving and have now been well for 4 years, enjoying my meals without medicine. Drug Stores or direct. Write for free information. Dr. McLeod's Stomachic Co., 191 Albany, Toronto.

MATTRESSES FOR SALE

MATTRESSES—SPRING BARGAINS — New Felt Mattresses, $3.50; New Spring Mattresses, $8.50. From factory to user. Veteran Bedding, 893 Queen St. West, Toronto.

PERSONAL

ARE YOU RUPTURED? RELIEF, comfort, positive support with our advanced method. No elastic or under-straps or steel. Write Smith Manufacturing Co., Dept. 219 Preston, Ont.

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ALL KNOWN DISEASES CAN BE CARried by rats. Safeguard your home and stock by using Ratopax—Harmless to humans, domestic animals, poultry. Ratopax is guaranteed to kill all rodents, etc. If your dealer cannot supply you send 35c in coin for post-paid supply. Dealers write for particulars. National Sales Agency, 57 Bloor West, Toronto.

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BE THE FIRST IN YOUR COMMUNity to run the Kentucky Derby for your friends' amusement. Each game an actual, exciting race. Send 25c in coin for eight complete races. Agents write for particulars. National Sales Agency, Bloor Bldg., Toronto.

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