

Queen Bee Rated Perfect Female

(1) That there are three casts or kinds of individuals in a bee hive. The queen, the worker and the drone. The queen is the only perfect female, the workers are really females that have been structurally modified so that physiologically they are incapable of normal reproduction. The drones are the male bees of the hive.

(2) That a good colony consists of from 70,000 to 75,000 bees, which is approximately 15 pounds.

(3) That a queen bee may lay between 2,000 and 3,000 eggs per day during the building up period. The weight of the eggs laid in a day often exceeds the weight of the queen's body.

(4) That the average life of a worker bee during the working season is about six weeks. Three weeks of this time is spent on work within the hive and three weeks as a field bee gathering nectar and pollen.

(5) That a worker bee gathers in its entire life .0288 of an ounce of honey. It requires about 556 worker bees to gather a full pound of honey. The bees would fly approximately 35,584 miles or more than once around the world in doing this work.

(6) That the value of honey bees in pollinating fruits, vegetables and legumes is many, many times the value of the honey produced. Natural pollinating insects are disappearing rapidly and each year we will be more and more dependent on the honey bee for many of our daily foods.

(7) That honey is one of the safest foods. Most harmful germs cannot live in honey for a length of time.

(8) That honey has long been recognized as a true cosmetic. It is an ingredient of many fine creams and lotions today.

Honey is unique, in that it is the only natural unmanufactured sweet which can be obtained in large quantities. Honey is a quick energy food, non-fattening, which is contrary to belief. Honey is Nature's OLDEST SWEET, it stands SUPREME.

"At a meeting of a number of farmers from various sections of Queen's County, held February 6, 1868, at the North American Hotel, a society was formed named the Farmers' Club, the object of which is the diffusion of practical and scientific knowledge on the subject of Agriculture.

"Alex. Robertson, Esq., St. Peter's Road, was called to the chair, and A. McNeill, Charlottetown, was appointed to act as secretary. Several resolutions were submitted and adopted for the government of the society, and the following gentlemen were appointed office bearers for the ensuing year:

"President: J.T. Jenkins, Esq., M.P.P.

"Vice Presidents: H. Longworth Esq., Royalty; C. Kennedy, Esq., Brackley Point Road; W. Swabey Esq., Royalty.

"Secretary: Arch McNeill.

Farm Club Is Formed In 1868

"The following were appointed a committee, with power to add to their number: Messrs. Alex. Robertson, St. Peter's Road; Isaac Henderson, Brackley Point Road; Angus Martin, Brackley Point Road; Alexander Scott, do; David Mutch, Rustico, Murdoch McLeod, West River; James Dixon, Clyde River; Duncan Kennedy, Brackley Point Road."

Taken from the Islander, Feb 7, 1868.

To the extent farmers allow their land either to lose its fertility or its humus, they are living upon their capital.

The game checkers is thought to have been played many centuries ago, since checker sets have been found in tombs of the Pharaohs.

ATTENTION MR. FARMER

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YOU: CAN HELP US

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W. A. BURNS, apiarist, and R. MacLaren, biologist, examine a hive of bees at the Experimental Farm Charlottetown. Bee-keeping has been found to result in greatly increased crop yields.

P. E. I. Breeding Unit Has Thirteen Clubs

The Prince Edward Island Artificial Breeding Association is the central organization representing the Artificial Breeding Clubs here in the Province. It is composed of proportional representation from each of the thirteen Artificial Breeding Clubs.

Each Club has two delegates for the first one hundred members and then one delegate for each additional one hundred members or part thereof.

The main purpose of this Association is to develop and promote the Artificial Breeding in Prince Edward Island. The selection of the Sire Committees is one of the main tasks of the organization. It also strives constantly to maintain high standards in the breeding programme. The President is Smith MacFarlane, Harrington; Vice-President, Ralph Adams, O'Leary; The County Representatives are Prince, Earl Clark, Kensington; Queens, Wilfred Furness, Vernon and Kings, Harold Annear, Lower Montague. The Secretary-treasurer is Dr. George C. Fisher.

The annual meeting of the association will be held this year on Monday the 23rd of June in Charlottetown. The special speaker for the occasion will be the Veterinary Director General of the Health of Animals Division, Production Service, Canada Department of Agriculture, Dr. K. F. Wells.

The number of cattle bred artificially in each Club during the first four months of this year has shown a marked increase over the previous year. In 1957 over

Holstein Calf Eats Odd Meal

A Holstein calf owned by Robert Brown of Paris has developed odd eating habits. Somehow the calf got out of its pen one night, and in the morning Bob found that his milk sheet on which was written the production of the herd of twenty milking cows for the past month had disappeared, presumably swallowed by the calf.

The calf suffered no ill effects, but Bob felt sick when he found that the official Record of Performance certificates covering the yearly production of his cows would have to be issued with the missing weights not included. However, sympathetic ROP officials at Ottawa arranged to issue the records on a Plan B or Herd Test basis, which meant that the milk weights for the missing months were computed from the weight recorded by the ROP inspector on his one day visit to the herd.

Start Tractor The Right Way

The cranking of a tractor is one of the most frequent causes of tractor mishaps. This hazard is being reduced slightly by the increased number of tractors equipped with electric starters, but the danger still exists.

The following rules should be observed when starting any motor:

1. For easier, safer starting, keep farm engines in good repair. The importance of regular check-ups on ignition and fuel systems cannot be overemphasized for starting safety.
2. Put the tractor out of gear before starting, even if it is equipped with an electric starter. This is an important safety precaution for that occasional time when the tractor must be braked to start.
3. Disengage the clutch before starting. Besides being safer, this also decreases the load on the starting motor.
4. Grasp any engine crank with the thumb against the first finger, not around the crank. Never "spin" the crank, but rather use quick upward pulls until the engine starts.

The Connorville estate in Tasmania's rich Cressy farming district harvested a crop of 75 bushels of wheat to the acre from 40 acres. The crop was grown from certified seed named Macquarie, grown at the Cressy research farm.

twenty per cent of the breeding females in the Province were bred artificially. A total of 11,647 cattle were bred. The heaviest breeding months are June, July and August as will be borne out by the figures listed below. The figures in the brackets in the first three months represents the number of cows bred in 1958. When we use the term cows bred we refer to first services only. January 136 (367), February 216 (360), March 307 (509), April 409, May 617, June, 2485, July 3395, August 2169, September 1016, October 264, November 281, December 302.

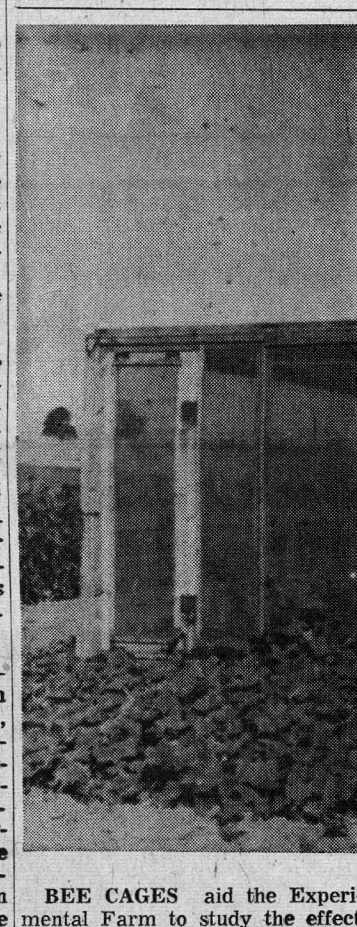
ONE THIRD OF COWS
The early indications would indicate that over fifteen thousand cows will be artificially bred in Prince Edward Island during 1958. If such is the case it will represent approximately one third of the breeding females in the Province.

Frequently the question is asked by those who have not availed themselves of this service "How can I become a Member?" The Artificial Breeding Programme is open to any cattle owner in the Province of Prince Edward Island. All that is necessary to pay an annual membership fee of \$100 or if you so wish to take out a life membership fee of \$5.00.

If you have a cow you wish to breed artificially and want to become a member of the Club simply phone your inseminator before ten o'clock in the morning to receive service that day. When you have your first cow bred you can pay your membership fee either on an annual or life membership basis. The service fee is \$4.00 which entitles you to three services if required.

LOCATIONS SERVED
The location of the Inseminators are as follows: Western Prince Artificial Breeding Club, Raeburn Oliver, Alberton, Telephone 80-82; O'Leary and District Club, Winfred Bridges, O'Leary, Telephone 56; Tyne Valley and District Club, Russell Dymont, Northam, Telephone Tyne Valley 14-120; Eastern Prince county Artificial Breeding Club, Ken Walker, Summerside, Telephone

2700; Kensington and District Club, Jim Heffell, Travellers Rest Telephone Summerside 7981; Crapaud and District Club, Lyman Harvey, Telephone 7-3; New Glasgow and District Club, Charles Cart, Telephone Hunter River 22-22; Cornwall and District Club, Charles Lank, Telephone Charlottetown 7576; York and District Club, Lloyd Vessey, Telephone Charlottetown 7075; Hillsboro and District Club, Gordon Sheidow, Cherry Valley, Telephone Vernon River 11-110; Montague and District Club, Lloyd MacKinnon, Montague, 180-14; Morell and District Club, Garth Webster, Telephone Morell 17-2; Eastern Kings County Artificial Breeding Club, Joseph Mallard, Telephone Souris 100.



BEE CAGES aid the Experimental Farm to study the effect of bees on the pollination of cucumbers

Farm Windmill On Way Out

The windmill, in its North American manifestation, is no thing of beauty. A bare, square steel skeleton carries a galvanized iron wheel, and a rod works up and down to pump water, in the usual form of this machine. A windmill in full working order is on its way to becoming a rare sight, although here are plenty of the abandoned towers scattered around. The windmill still is a reasonable convenient way to get power.

The gasoline engine and the electric motor are more convenient and always ready to work. Their advantages outweighed the cheapness of wind power. Convenience and dependability were worth the difference, so when the old windmills wore out they were not replaced.

P. E. I. ARTIFICIAL BREEDING ASSOCIATION

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