Canadian Broiler Hatching Egg Producers' Association
Association canadienne des producteurs d'oeufs d'incubation de poulet à chair

January 27, 2025

Dear Producer:

The Canadian Broiler Hatching Egg Producers Association (CBHEPA) is launching the Student Programs for 2025. Due to the postal strike at the end of 2024 applications will be received later than in previous years. These programs have been beneficial to many that have participated. I encourage you to review these opportunities.

CBHEPA Broiler Breeder Research Grant

Through this program CBHEPA will provide grants for one or two university students (3rd or 4th year or graduate level). Each of these grants will provide an opportunity for a student to perform a short-term broiler breeder research project at a university or a research facility in Canada. The costs associated with the presentation of the project results to an international congress are eligible for coverage.

Applicants will have to submit a written proposal outlining the purpose of their projects and the reasons for CBHEPA to support the project. *This program is not restricted to youth of Canadian Broiler Hatching Egg producers.* Deadline to apply March 14, 2025

CBHEPA Student Exchange Program

After many years, we are re-introducing the student exchange program that was initiated to help Canadians gain a better understanding of the challenges and opportunities available to the hatching egg industry. It will allow the exchange of high school *students of Canadian broiler hatching egg producers* from different regions to experience a new environment. The exchange will involve two high school students who will stay at each other's home for a week or more. Travel costs will be paid by the Association. The selection of the first participant will be made at random from the applications received. The second participant will then be selected to match the age and interests of the first.
Deadline to apply March 14, 2025

21, rue Florence Street
Ottawa, Ontario
K2P 0W6

Phone: (613) 800-2315
Email: info@chep-poic.ca

CBHEPA Young Farmers Program

The Canadian Broiler Hatching Egg Producer Association developed the Young Farmers Program in 2002. The program has been very successful in supporting young farmers to maintain interest in the industry. Through this program, the CBHEPA provided financial assistance to young producers looking to acquire or broaden their knowledge of the hatching egg industry from primary breeder companies.

In 2024 CBHEPA partnered with CHEP to implement a new Young Farmers Program. The new program will offer young farmers an opportunity to gain experience and learn more about the national system and its role. For those looking to become future a member at the provincial and national board levels, the program will offer professional development. On occasion the Federal Government contacts CHEP for young producer representatives for specific working groups or advisory councils. With an active young farmers program, CHEP will have a pool of young producers that could participate as the opportunity arises.

Participants will be asked to share their knowledge and accomplishments of the program by preparing a written report. Participants' selection will be based on the proposals and reference to the applicants and the entire industry. Deadline to apply March 14, 2025

Should you need further information on these programs, do not hesitate to contact Nicole Duval at the CHEP Office (613) 800-2315 ext. 2662 or via email at: *info@chep-poic.ca*

Sincerely,

Beata Kunze
Chair
Canadian Broiler Hatching Egg Producers' Association

Canadian Broiler Hatching Egg Producers' Association
Association canadienne des producteurs d'oeufs d'incubation de poulet à chair

CBHEPA Broiler Breeder Research Grant

Through this program CBHEPA will provide research grants for one or two University students (3rd or 4th year or graduate level). These research grants will provide an opportunity for a student to study and perform a short-term broiler breeder research project at a University or research facility in Canada. The cost associated to the presentation of the project results to an international congress are eligible.

- Detailed description of the project
- Duration and location of the project
- Potential benefits to the broiler hatching egg industry
- Reason for CBHEPA to support your project
- Budget (including CBHEPA's contribution)

The selected participant will be asked to prepare a detailed report and present it at the CHEP Annual Meeting in March 2026.

Highly Pathogenic Avian Influenza (HPAI) - risk factors and effective ways to address HPAI, including treatment, prevention and vaccination has been designated as top priority by the CHEP Research Committee.

1. Production-based Research
   a. Methods to increase fertility and number of saleable chicks
      - Differences in fertility and paid hatch
      - When is it most beneficial to add spiking roosters?
      - Research on new and emerging technology to assess on-farm, real-time fertility
      - Tail-end fertility
      - Preincubation fertility
      - Processing of hatching eggs at the barn and use of cameras to detect leaks and defects

2. Breeder Welfare
   a. Ammonia control
      - Developing more accurate methods to measure ammonia on-farm, and validating existing ammonia measurement equipment (such as the ammonia meters used by auditors)
      - Establishing baseline ammonia levels on the farm, and once a consistent methodology is established, have CHEP compile national data to inform decisions going forward
      - Validating benchmarks (such as those referenced in the code, or those determined as a result of on-farm baseline data), including the study of the impacts of different levels of ammonia concentration on the health and well-being of birds and humans in order to determine appropriate level(s) of ammonia to include in the animal care program as maximum thresholds depending on climate and temperature
      - Cost-effective methods to control ammonia

CBHEPA Broiler Breeder Research Grant

Topics for the 2025 Research Project (cont'd.)

- Reducing caking litter in broiler breeder and grower barns
  1. Feed additives
  2. Best management practices for ventilation

b. Strategies for feeding breeders
- Feed control

c. Density

d. Euthanasia
- Methods for birds >3kg, including low atmospheric pressure stunning (LAPS)
  - Is LAPS practical for on farm application?
- Efficient and quick way to euthanize breeder flocks in an emergency situation

e. Aggression
- Feed energy and male aggression
- Research linking specific genetic traits with male to female aggression

f. Early mortality of breeder hens (*E.*coli, staphylococci)
- *E.*coli *a*nd staphylococci more likely to post peak mortality association

g. Physical alterations
- Toe-trimming, beak trimming: ideal methods and timing for procedures
- Cost-effective, practical management practices that can eliminate physical alterations

h. Transporting newly hatched chicks
- Length of time that newly hatched chicks are sustained by the yolk sac
- Effectiveness of hydration/nutrient products used prior to and during transit

i. Effects of vaccination programs on breeder welfare
- Current status
- Maximum thresholds – how much is too much?

3. Environmental Research

a. Disposal / valorization of mortalities
- End of cycle
- Mass depopulation

b. Effects of temperature control on egg handling and holding, and egg transfer vehicles, including egg sweating and links to rots after eggs leave the farm.

c. Effects of lighting on broiler breeder production, fertility, and bird health
- LED lighting long-term
- Light intensity, spectrum, colour temperature (K)

d. Environmental impact and effects of climate change as related to broiler hatching egg production

CBHEPA Broiler Breeder Research Grant

Topics for the 2025 Research Project (cont'd.)

4. Poultry Health and Disease
   a. Inclusion Body Hepatitis (IBH) - breeder vaccination and antibody retention
   b. Variant bronchitis-impact on breeder production and fertility
   c. White chick syndrome
   d. More efficient vaccination programs
   e. Effect of probiotics
   f. *Mycoplasma synoviae*
   g. Effective ways to deal with HPAI, including treatment, prevention and vaccination

5. Alternatives to antimicrobials

6. Control of Foodborne Pathogens / SE
   a. Control of Salmonella by vaccination (methods and effectiveness)
      - Newer *Salmonella* vaccinations or supplemental adjuvants to improve vaccine efficacy
   b. Sources of infection
      - What is transferred to the chick? How does egg incubation affect *Salmonella* cells?
   c. Possible barn differences, what type of construction, material, insulation, volume of air, angle to the sun (infrared radiation)
   d. Prevalence
   e. Population density
   f. Control of *Campylobacter* jejuni
   g. On-farm strategies to reduce and prevent *Salmonella* while birds are in production
      - Reduce/prevent *Salmonella* via competitive exclusion (probiotics and antagonistic bacterial species for controlling foodborne pathogens)

This program is open to students studying poultry science in Canada.

Canadian Broiler Hatching Egg Producers' Association
21 Florence Street, Ottawa, Ontario K2P 0W6
or email us at info@chep-poic.ca

Canadian Broiler Hatching Egg Producers' Association
Association canadienne des producteurs d'oeufs d'incubation de poulet à chair

CBHEPA Broiler Breeder Research Grant

This program is open to students studying poultry science in Canada
The selection will be made from the outline and budget of the research that best aligns with CBHEPA's Research Priorities for 2025.

Applicants interested in participating in this program should submit their application by March 14, 2025.

Name of Applicant: _____

Address: _____

City: _____ Province: _____ Postal Code: _____

Telephone: _____

Email: _____

University: _____ Major: _____

Please forward your completed application and submission to the CBHEPA offices at the email or address listed below.
We look forward to receiving your application.

Applications will be reviewed in an April 2025 CBHEPA Meeting

Canadian Broiler Hatching Egg Producers' Association
21 Florence Street, Ottawa, Ontario K2P 0W6
or email us at info@chep-poic.ca

Canadian Broiler Hatching Egg Producers' Association
Association canadienne des producteurs d'oeufs d'incubation de poulet à chair

CBHEPA Student Exchange Program

The CBHEPA student exchange program was initiated to help Canadians gain a better understanding of the challenges and opportunities available to the hatching egg industry. It will allow the exchange of high school students of Canadian broiler hatching egg producers from different regions to experience a new environment. The exchange will involve two high school students who will stay at each other's home for a week or more. Travel costs will be paid by the Association. The selection of the first participant will be made at random from the applications received. The second participant will then be selected to match the age and interests of the first.

Students interested in participating in this program should submit their application **by March 14, 2025**.

Name: _____

Address: _____ City: _____

Province: _____ Postal Code: _____

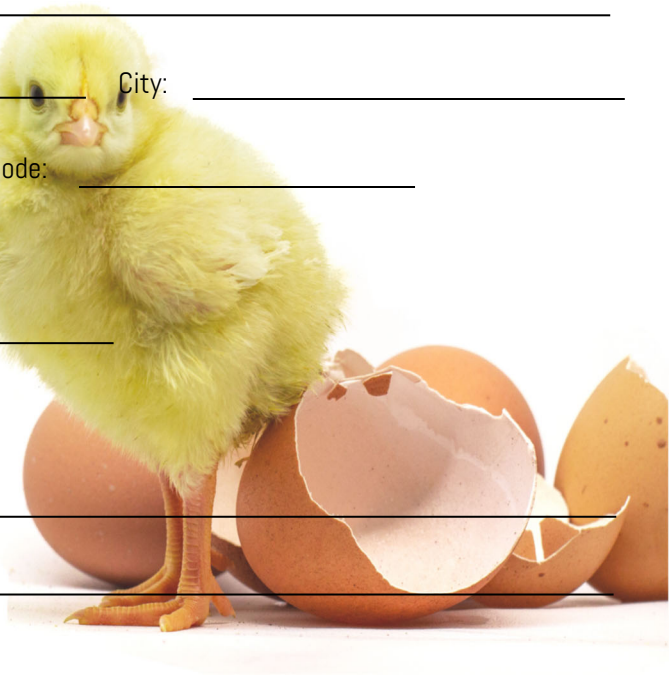
Telephone: _____

Email: _____

Date of Birth: _____

Interests: _____

_____



Please complete this applications.
Forward to the CBHEPA offices at the fax number or address listed below.
We look forward to receiving your application.

Applications will be reviewed at the CBHEPA Meeting in April 2025

Canadian Broiler Hatching Egg Producers' Association
21 Florence Street, Ottawa, Ontario K2P 0W6
or email us at info@chep-poic.ca

Canadian Broiler Hatching Egg Producers' Association

Young Farmers Program

The Canadian Broiler Hatching Egg Producer Association developed the Young Farmers Program in 2002. The program has been very successful in supporting young farmers maintain interest in the industry. Through this program, the CBHEPA provided financial assistance to young producers looking to acquire or broaden their knowledge of the hatching egg industry from primary breeder companies.

In 2024 CBHEPA partnered with CHEP to implement a new Young Farmers Program. The new program will offer young farmers an opportunity to gain experience and learn more about the national system and its role. For those looking to become future member at the provincial and national board levels, the program will offer professional development. On occasion the Federal Government contacts CHEP for young producer representatives for specific working groups or advisory councils. With an active young farmers program, CHEP will have a pool of young producers that could participate as the opportunity arises.

Participants will be asked to share their knowledge and accomplishments of the program by preparing a written report. Participants' selection will be based on the proposals and reference to the applicants and the entire industry.

☐ I wish to be considered for the CBHEPA Young Farmers Program and Tour for 2025

☐ I also wish to be considered to become CHEP Young Farmer for 2025.

Name: _____

Address: _____ City: _____

Province: _____ Postal Code: _____ Telephone: _____

Email: _____

Date of Birth: _____

Canadian Broiler Hatching Egg Producers' Association
21 Florence Street, Ottawa, Ontario K2P 0W6
or email us at info@chep-poic.ca

Canadian Broiler Hatching Egg Producers' Association

Canadian Hatching Egg Producers

Young Farmers Program Information

The implementation of the program and selection process:

1. The program runs on an annual calendar basis.
2. CBHEPA will still select and fund one or more young producers to visit either Cobb or Aviagen's facilities in the U.S. during the CBHEPA March meeting. At time of application the applicant will be able to select if they would like to be considered for the Young Farmers program and be provided with some further information to make that decision.
3. CHEP Executive Committee will select one of these young producers for the CHEP Young Farmers Program.
4. The young farmer must be 39 or younger at the time of selection to be eligible.
5. All participants to the Young Farmer program will have the opportunity to:
    a) Attend the annual May Orientation Session, July summer meeting, November Board meeting and the March AGM including the Joint Annual Reception to complete a one-year cycle;
    b) Participate in all open meetings and in-camera meetings of the above;
    c) The young farmer will be asked to sign a confidentiality agreement in order to participate in an in-camera meeting;
    d) The young farmer visits Aviagen or Cobb facilities with the other selected participants if any;
    e) Reasonable economy travel expenses are reimbursed in line with CHEP's financial policies for the young producer to attend any CHEP meetings they are invited to;
    f) Per diems are not provided by CHEP.
    g) The young farmer may be invited to participate in other events or meetings as CHEP may deem appropriate and useful to both parties.

Please outline your knowledge and accomplishments by preparing a written report.
Participants' selection will be based on the proposals and its interest to the applicants and the entire industry.

Applicants interested in participating in this program should submit their application by March 14, 2025

Canadian Broiler Hatching Egg Producers' Association / Canadian Hatching Egg Producers
21 Florence Street, Ottawa, Ontario K2P 0W6
or email us at info@chep-poic.ca