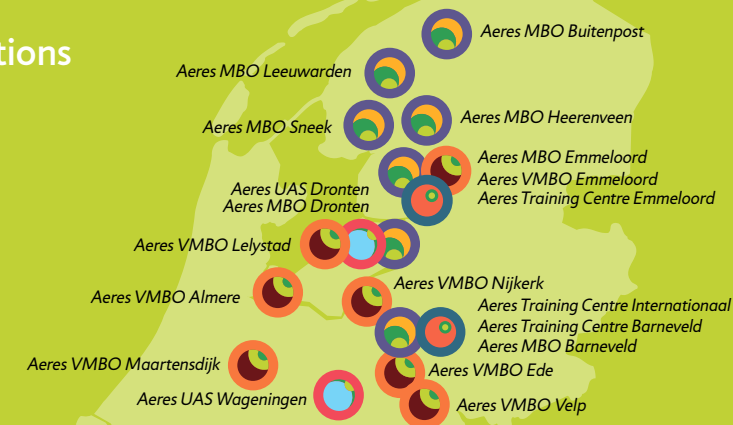


# Our world of Livestock Production

Livestock production is anchored in the roots of our organisation. An enormous amount of teaching and research takes place on our own farms in Dronten and Barneveld. Climate issues mean that the agricultural sector is under pressure. Aeres makes an active contribution to the transition in the agricultural field through practice-based research from the higher professional education research groups. The focus here is on sustainable production, carried out in various ways including circular agriculture. In this area, knowledge innovations from higher professional education find their way to vocational education via the circular agriculture vocational research group. At all levels of education, Aeres trains enterprising professionals who are able to – and want to – make a substantial contribution to a future-proof (international) agricultural sector.



## Teaching locations



## Training courses and levels

### Pre-vocational secondary professional education electives

- Healthy animals
- Keeping animals
- Livestock production & agriculture

### Vocational education courses

#### Level 2:

- Poultry farming worker
- Pig farming worker
- Livestock production worker (dairy cattle, pigs, poultry)
- Biodynamic farm worker

#### Level 3:

- Poultry farm animal keeper
- Pig farm animal keeper
- Skilled dairy cattle & business worker
- Skilled biodynamic farm worker
- Urban farm supervisor
- Biodynamic farm work supervisor
- Skilled livestock production worker (dairy cattle, pigs, poultry)

#### Level 4:

- Biodynamic farm manager
- Livestock production professional (dairy cattle, pigs, poultry)
- Poultry farmer
- Pig farmer
- Livestock production professional
- Dairy cattle & business professional

#### Higher professional education: Associate degree

- Higher professional education: Associate degree

#### Higher professional education: Bachelor

- Animal and Livestock Production
- Dairy, pig and poultry farming
- Agricultural entrepreneurship

#### Animal and Livestock Production

- Livestock production teacher and knowledge manager
- Accelerated course Green sector teacher and knowledge manager (teaching qualification in one year)

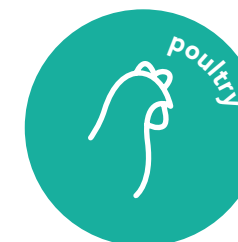
#### Master

- Agribusiness Development

#### Courses and training

More than 20 courses and training sessions, including calf, sheep and goat farming

## Future careers





## International

- **Higher professional education students:** 100% does internships in e.g. North America, Africa or Asia
- **Knowledge exchange with schools in e.g. South Korea and China**
- **Student exchange with universities in e.g. Europe and North America**
- **Nuffic projects**
- **Aeres Training Centre International:** Poultry, pig and compound feed training for international students in The Netherlands and in e.g. Tanzania, Mexico or South Korea.
- **Vocational education students:** 80% does internships in, e.g. Europe, Canada, the US or New Zealand
- **BTEC courses:**
  - Dairy production
  - Pig production
  - Poultry production
- **Higher professional education: Bachelor**
  - International Agribusiness (EED)
  - International Dairy Management
  - International Pig Management
  - International Poultry Management
  - Livestock Production (EED)



## Student numbers



Vocational education  
± **830**  
students



96% dairy cattle



4% pigs and poultry



Higher professional education  
Bachelor  
± **800**  
students



95% dairy cattle



5% pigs and poultry



Higher professional education  
Associate degree  
± **90**  
students

Higher professional  
Master  
± **15**  
students

## Internal and external practical facilities

Amongst others:

### Aeres Farms

- Pig farm with sows, piglets and fattening pigs, and diverse systems
- Poultry farm, research site and poultry house with 1,000 laying hens and 3\*\*\* Beter Leven ('Better Life') quality mark
- 2 dairy farms: Flevostal (with a standard and a high-input system) and Weidestal (organic, maximum outdoor grazing)
- Dairy processing business
- Sale of products (Polder Porque)

### External livestock farms

#### Agri Innovation Centre

With various features including training facilities in technology, precision agriculture and soil science

#### Practical labs

- For soil, feed and milk testing, amongst others
- Poultry Innovation Lab with 1,000 laying hens, 3\*\*\* Beter Leven quality mark and 1,000 slow-growing broilers
- Insect Experience Centre, including Amusca housefly, Bibio marcae larvae, mealworms

#### Compound feed mill

#### Organic dynamic dairy farm

Managed by the Warmonderhof Foundation

## Collaborations

Amongst others:

- ✎ With the (international) business community, e.g. supplying industry
- ✎ With (Aeres) educational institutions at intermediate vocational education, higher professional education, and course level
- ✎ With governments and research institutions
- ✎ Groen 2.0 Centre of Expertise
- ✎ CIV Groen 2.0 (Innovative knowledge centre)
- ✎ Poultry Expertise Centre (PEC)

## Research and projects

### Research groups

- Agricultural water management
- Sustainable Soil Management
- Grassland & Grazing
- Circular agriculture (currently in formation)
- Bovine Health Management
- Entrepreneurship with the community in mind
- Precision agriculture
- Precision Nutrition & Sustainable Poultry Farming

### Examples of projects

- Alternative proteins
- Developing E-learning modules for Vocational education
- Smart Dairy Farming
- Dairy cattle nutrition research (individual feed intake)
- Nature-inclusive agriculture
- Agro practical cluster
- Animal practical cluster Dairy cattle and business RIF (Regional Investment Fund) application

### Occupational skills development group

- Circular agriculture