

Breeding program for **dairy cattle** and **chickens** in the Netherlands



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Why organic breeding:

- To develop a whole organic production chain
- Need for robust animals that fit in organic systems
- Animal friendly breeding systems (No IVF/MOET)
- Consumers do expect it
- Free of GMO / gene-editing/crispr-cas

Breeding goal:

- High lifetime production; all good traits
- Good milk , eggs, meat
- Robust, resilient animals
- Good fertility
- No or low need of antibiotics



Dairy Breeding plan:



- **Young animal system**
 - every year new young animals, bulls, chickens
 - spreading best genetics evenly over the population
 - short generation interval, fast genetic gain
 - average best animals from the population
 - low costs, 'cold system', (Bichard, 2002), kinship breeding

Current structure:

- **Cooperative Bio-KI (now 103 members)**
 - goal, cow and bull selection and marketing
- **Vredelinger dual purpose chickens:**
 - Kinship breeding farm and breeding circles for chickens, selection on egg quality and % egg production

We have 22 bulls now!



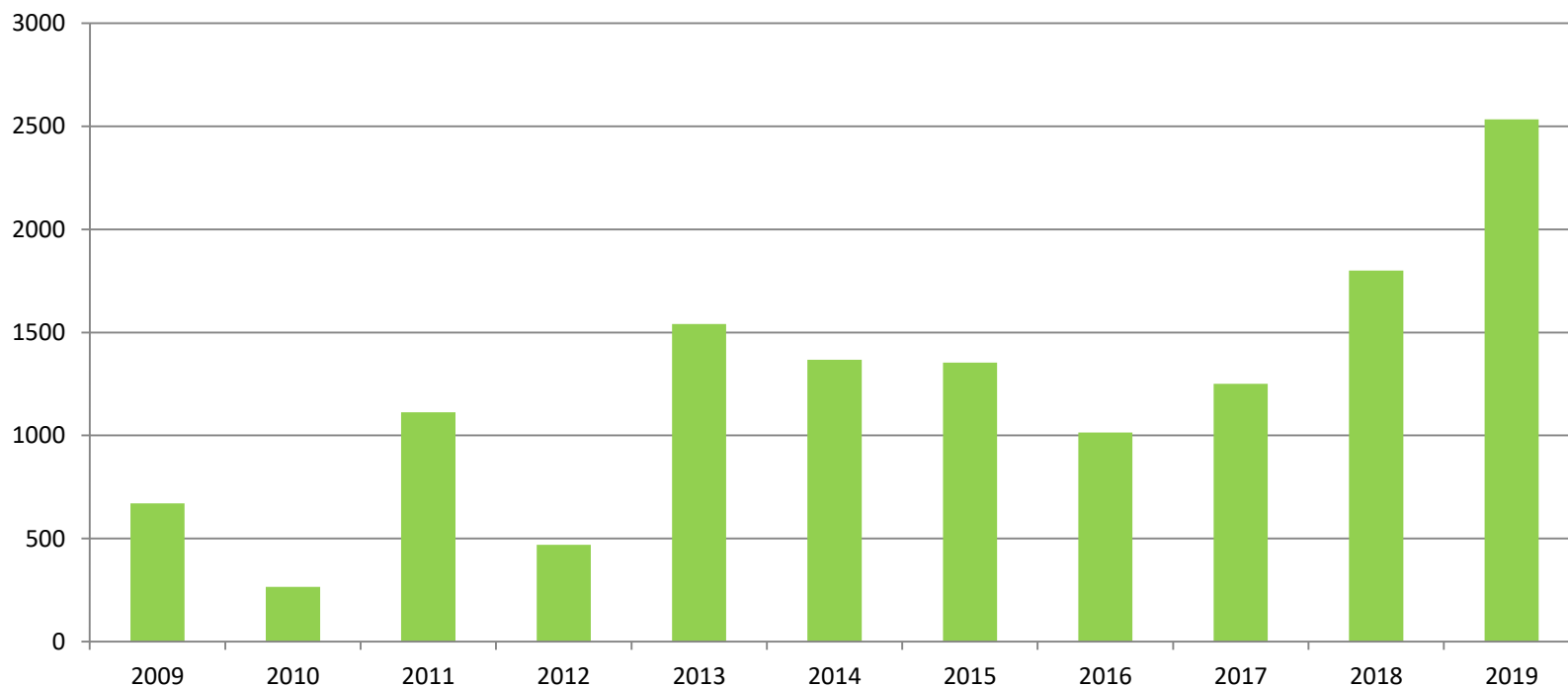
And the Vredelingers!



Dutch Foundation for Organic Breeding



Sales per year:



Dutch Foundation for Organic Breeding



Sales Vredelingers:

- 5000 chickens per year



Results and conclusions:

- Bio-KI: 103 members, sales up to 2500 doses
- Vredelingers: 5000 per year
- Sector still keeps quiet (national/international)
- Consumer has to step up !

Results and conclusions:

- **We ask the customers to think behind the product**, is it organic, animal friendly? for what they pay more
- **Why do farmers not think behind the product?** they are the customers of breeding products !

Contact:

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For breeding cows, chickens, goats, pigs
ANIMAL FRIENDLY and ORGANIC !