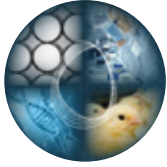




Bringing humanity and sustainability to production of the world's leading protein



Who are we

NRS Poultry is an innovative, science-based company, offering fully integrated solutions based on genome editing and breeding technologies, addressing major challenges in the poultry industry. NRS Poultry is a subsidiary of IMPACT NRS which harnesses scientific advances to tackle persistent global challenges in health, food production and agriculture, and based on a joint venture with the Agriculture Research Organization (ARO) - the Ministry of agriculture of the State of Israel.

Our Mission

To bring humanity and sustainability to production of the world's leading protein.

The problem

In egg production, female chicks are bred as layers, but the males are unusable by-products, so billions of male chicks are killed every year.

What We Do

We provide a sustainable, cost-saving way to end the culling of male chicks, by enabling the laying of egg from which only non-GMO females hatch.

How we do it

We use CRISPR technology to target the Z chromosomes in female layer breeds and induce a gene to prevent development of male cells at a pre-embryonic stage, so only female chicks grow and hatch.

The technology

Our elegant sexing solution hatches only female chicks, taking the guesswork away by targeting male chromosomes in the breeding line



1 Change to Female Parent

NRS utilizes CRISPR technologies to affect a change to only the female parent's Z chromosome (Z / W).

Due to chromosomal segregation, female layers will never be affected by this change

2 Only Female Layers Hatch

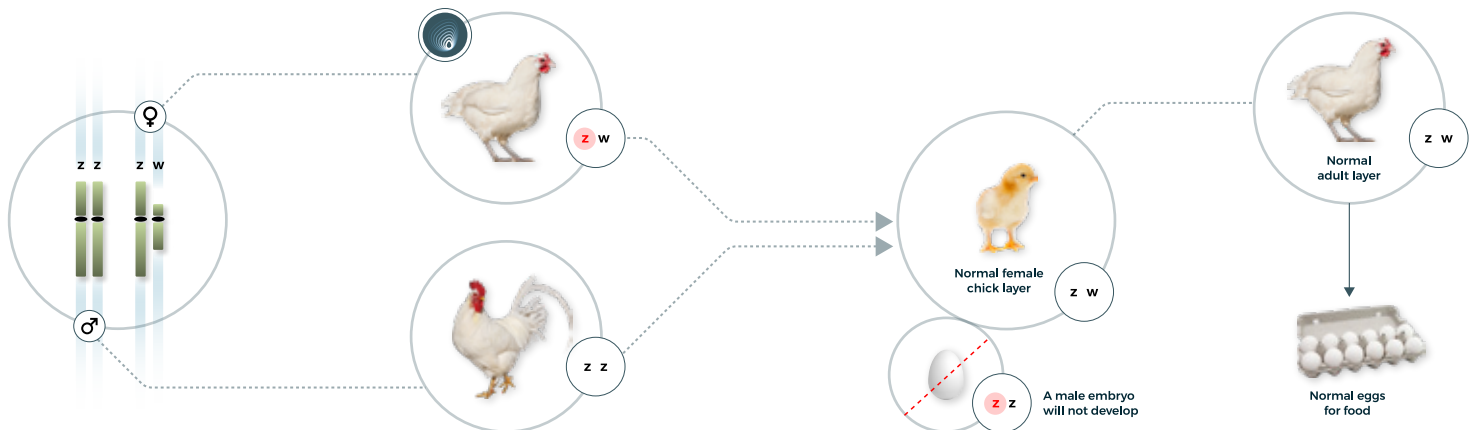
Male eggs will cease development at a very early stage (only two layers of cells) due the Z chromosome from their female parent.

Female eggs, receiving wild-type chromosomes, will hatch and develop without GMO

3 Non-GMO Poultry Products

Non-GMO female chickens will create poultry products for household use.

Male eggs that do not hatch can be used for alternative uses (e.g. feed) dependent on local regulation, as they will contain traces of GMO



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Solving the need for mass culling of day-old male chicks

Our Solution - **There will be no male chicks**

Advantages:

- ✓ There will be no need to identify, sort and kill male chicks - **only females will hatch**
- ✓ Significant reduction in egg production costs
- ✓ Implementation in hatcheries will require no modifications
- ✓ Culling the male chicks will obviously be unnecessary as there will be no males to kill
- ✓ Potential savings of 50% in incubation space
- ✓ Sustainability- no carcasses and less energy to heat the incubators
- ✓ Rapid commercialization soon after R&D
- ✓ Non-GMO solution and zero risk of propagating the trait in the wild



Advantages to the poultry industry

-  Animal welfare (No Male Chick Culling)
-  Industry's bottom line profits
-  Product security
-  Measured ESG parameters
-  Environmental sustainability
-  R&D transparency
-  Enable compliance with regulations and anti-culling practices

Managing team

Sam Salman

Chairman

Sam is co-founder of NRS-Poultry and is the company's Chairman and Chief Executive Officer. A physics scholar who has dedicated his professional career to develop and manage complex systems innovations.

Dr. Yaarit Wainberg, Ph.D., MBA

COO

Scientist and a biotechnology expert, specializing in Life science, Biotech, Ag-tech and particular expertise in the field of plant biology. Brings more than 15 years of experience in molecular & genetic research at the academy and as an R&D researcher and director of R&D in the Biotech industry in both large and start-up technology corporates.

Eli Mor

CEO

Seasoned senior executive across the world of Corporate and start-up, vast experience in finance, capital raising and business development, including executive roles at Efa Technologies, BioHarvest, Explay and Terayon.

Keren Nir, MBA

VP BD

Holding Master's degree in Business administration, expert in business mediation, strategy and firms analysis. Holding a Master's degree in law, professional in business contract policies in favor of precise legal agreements, and agreements negotiator.

Dr. Yuval Cinnamon, Ph.D.

Founder, CSO

Principal investigator and research group leader at the Agricultural Research Organization, The Volcani institute. Expert in embryology, molecular biology, genetics and poultry.

Dr. Eytan Meisels

VP Regulatory Affairs

Expert in global Regulatory Affairs with experience in Medical Device R&D and QA. Established record in world-wide regulatory strategy for innovative products. Held corporate positions in IMI, Alere and Abbott.