









Founded in 1874 in Copenhagen by Danish pharmacist Christian D.A. Hansen



Leading microbial producer

Producing more than 400 different bacterial strains each year



Exceptional results

Revenue in excess of 1 billion EUR and 40% growth in the last five years



Working together

Experienced in collaborating with customers for over twenty years



Global expertise

3,050 employees including over 200 PhD's





International production and global reach















FORTUNE CHANGE WORLD 2019



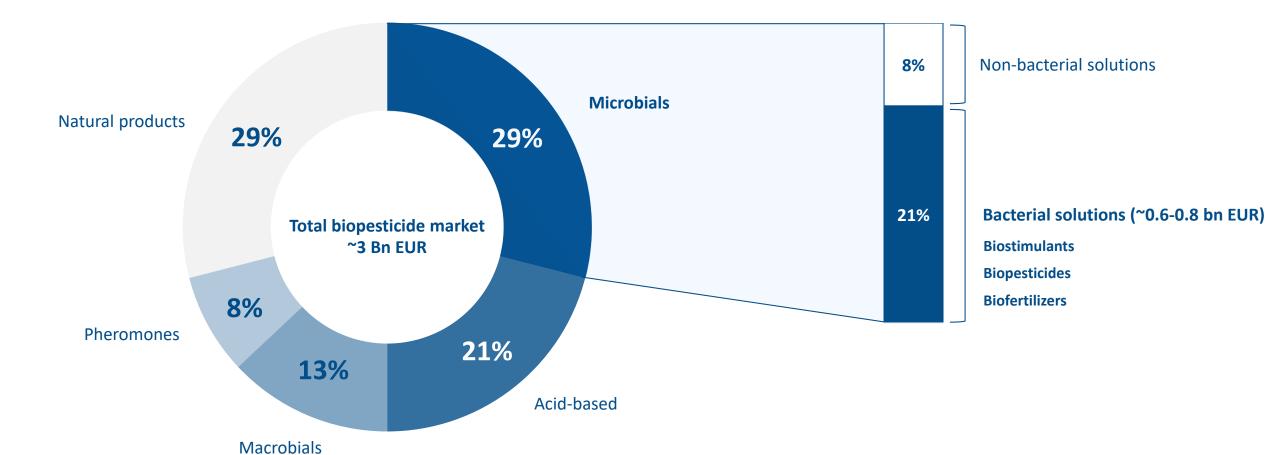








The biological categories

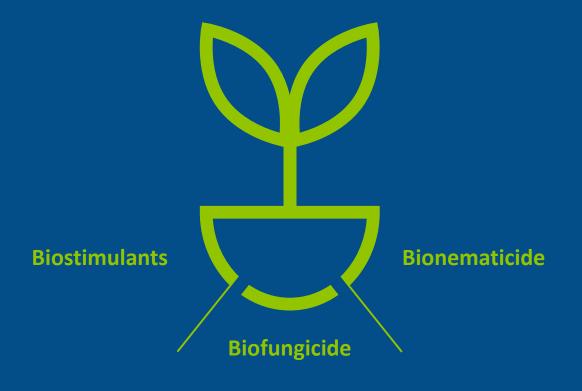






Plant Health delivers proven natural solutions to the rapidly growing bio-ag market

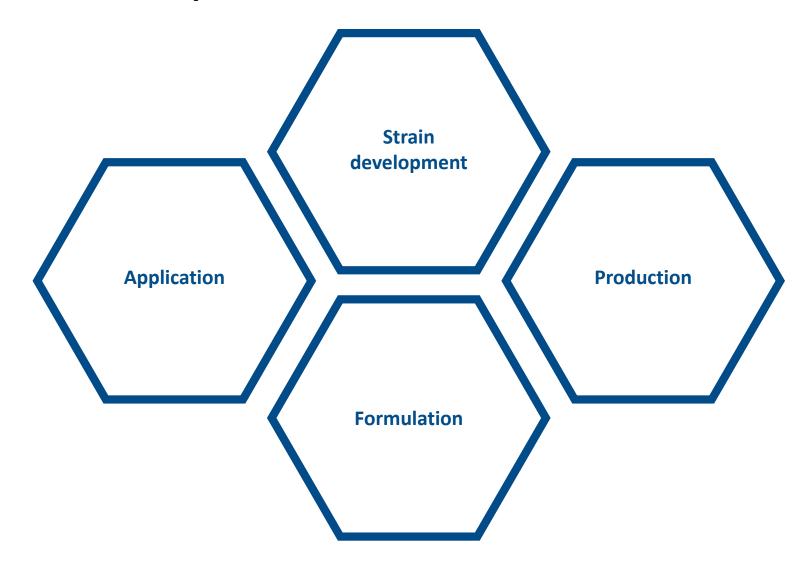
- Through collaboration with key partners
- Our strains are carefully selected
- We utilize the bacillus bacteria







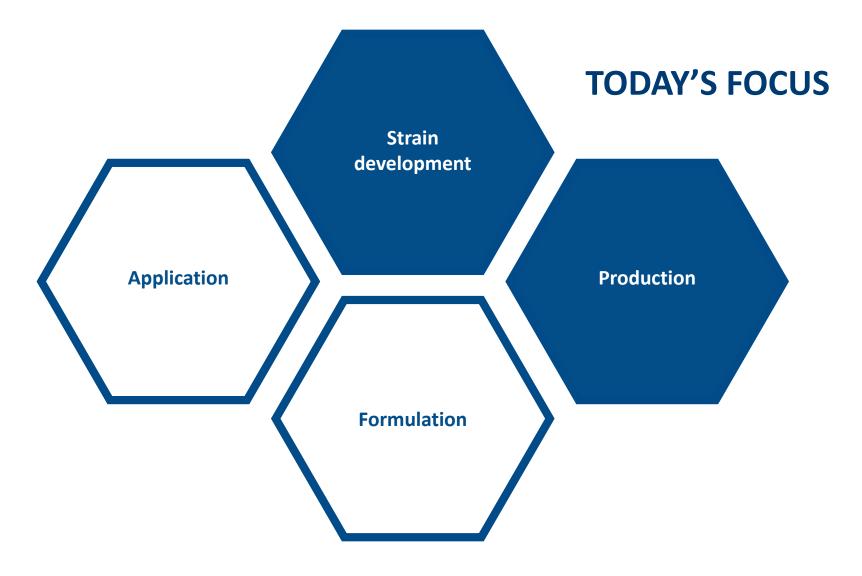
Continuous improvement of biologicals for biotic and abiotic stresses centers on four pillars







We examine two of them









What is strain development?

Why do we improve strains?

How do we improve strains?





Production of of active ingredients

Why is production important?

How can production be improved?





Why is production important?

Understanding production and the effect on the final application is critical to ensure

- Uniform products
- Consistent performance in the field
- High stability







How is production optimized?

To optimize the production, the first step is to understand the product

- MoA understanding is critical to understand optimization of production
- Optimization is carried out holistically and not in unit operations
- Quality parameters need to be clearly defined









Learn more at www.chr-hansen.com

