

SESVANDERHAVE,

medium-sized company - 620 employees worldwide

HQ in Tienen (Belgium)

Active in more than 50 countries





Everything in-house, from A-Z

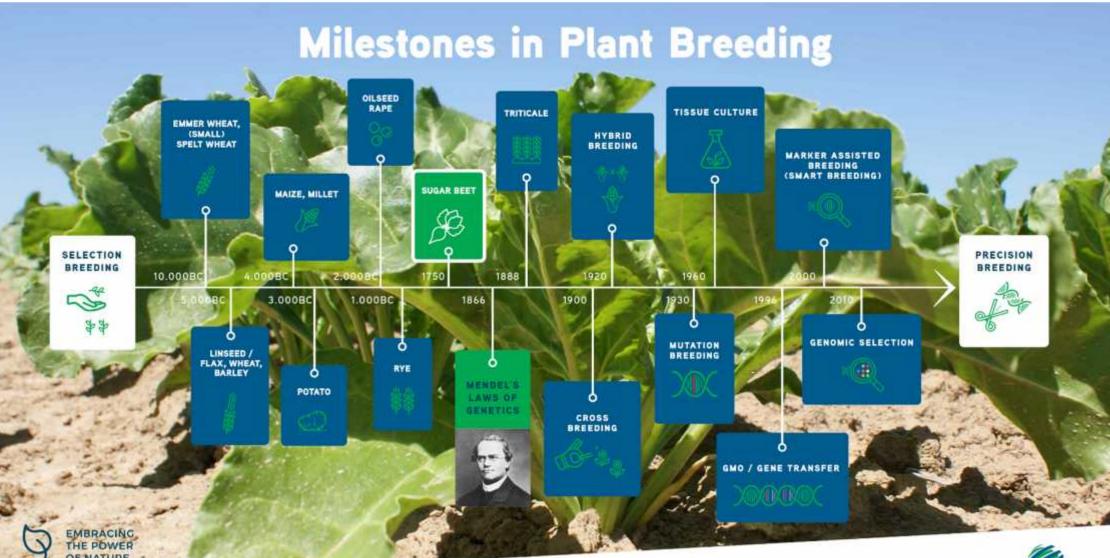
R&D department = 32% of our worldwide staff

15% re-investment of our turnover into R&D

+40% R&D expenses over the last 10 years

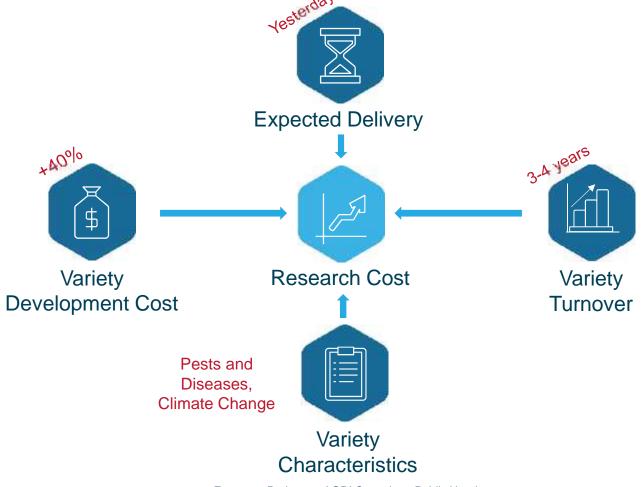








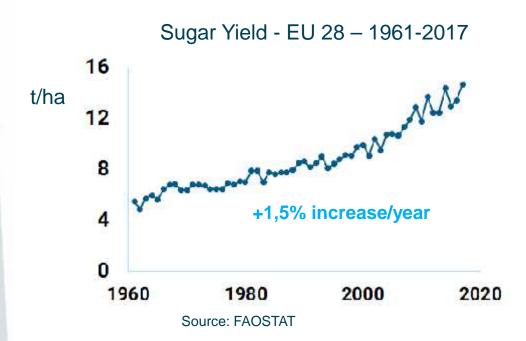
Plant Breeding gets increasingly complex...





Feb 18, 2020

Plant Breeding's role in addressing competitivity & sustainability challenges



Disease Resistance



Source: SESVanderHave

Research and Innovation are key to address these challenges.



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Challenges in (Sugar Beet) Breeding





Time

- Very rapid changes in requirements
- Variety development is too slow to cope with needs



Access to genetic diversity

Access and benefit sharing – Nagoya Protocol



Detection, validation & exploitation of genetic diversity

- Pre-breeding using wild relatives
- Plant Breeding Innovation Precision Breeding NBT

Detection, validation & exploitation of genetic diversity is key









Areas of Future Research in EU Framework Programme for R&I

- Pest Monitoring
- Soil Science Microbiome
- Weed Control Strategies
- Creation and Exploitation of Genetic Diversity
- Data Science
- Education









