- Hansabred -
European Strawberry Breeding and Research

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Company structure

In 2008, *Hansabred GmbH & Co. KG* was founded as a European strawberry breeding and research company. The shareholders are four major European strawberry companies: *Kraege Beerenpflanzen* (Germany), *Vissers* (Netherlands), *R. W. Walpole Strawberry Plants Ltd.* (UK) and *Plantas de Navarra, S.A.* (Spain).

Facilities

4 ha field

greenhouse

laboratory

propagation tunnel

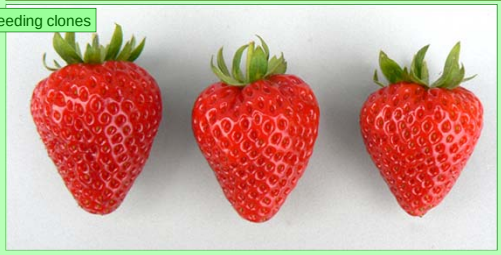
annual meeting with the partners

Company goals

250 years of strawberry breeding have led to numerous so-called tunnel effects which resulted in susceptibilities to pathogens and in aroma patterns with low or even zero key volatile concentrations.
Important aspects of the *Hansabred* breeding programme are: high resistance to different pathogens and improved strawberry flavour.
A large germplasm collection which originated from the "Professor Staudt Collection" is available with more than 460 accessions of wild species and more than 175 cultivars (status 2014). This background allows innovative pathways in strawberry breeding. Today, several vigorous clones with excellent flavour are in Europe-wide trials already. *Hansabred* has initiated a project network together with fruit processing companies as well as national and international research institutes and universities.

strawberry task force

promising breeding clones



Number of clones

- 2009/10: 1227 clones
- 2010/11: 1699 clones
  (214 B-clones, 1485 A-clones)
- 2011/12: 782 clones
  (109 C-clones, 247 B-clones, 426 A-clones)

Sensoric evaluation by

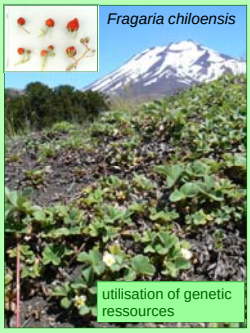
unprejudiced experts

Facts and Figures

Year	Seeds	Seedlings	after greenhouse selection	on the field
2008/09	ca. 50000	ca. 29000	ca. 18000	ca. 17500
2009/10	ca. 99700	ca. 51500	ca. 25000	ca. 24000
2010/11	ca. 20000	ca. 14000	ca. 7500	ca. 7000
2011/12	ca. 70200	ca. 18300	ca. 10000	ca. 9000

international master students
Humboldt University Berlin

after planting


Fragaria chiloensis
utilisation of genetic ressources

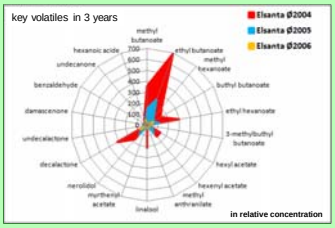
selected day-neutral clone after introgression of *F. virginiana*

seedlings

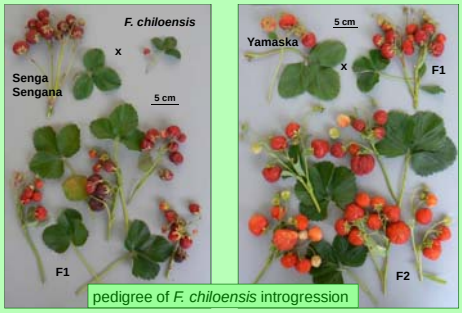
selected clone

trained panel

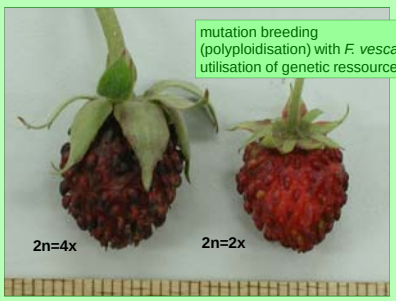
freeze-dried fruit, industrial projects with the processing industry



white clone selection, breeding of non-allergic cultivars



pedigree of *F. chiloensis* introgression



mutation breeding (polyploidisation) with *F. vesca*, utilisation of genetic ressources

strawberries as ornamentals