



New breeding technology breaks the genetic diversity barrier

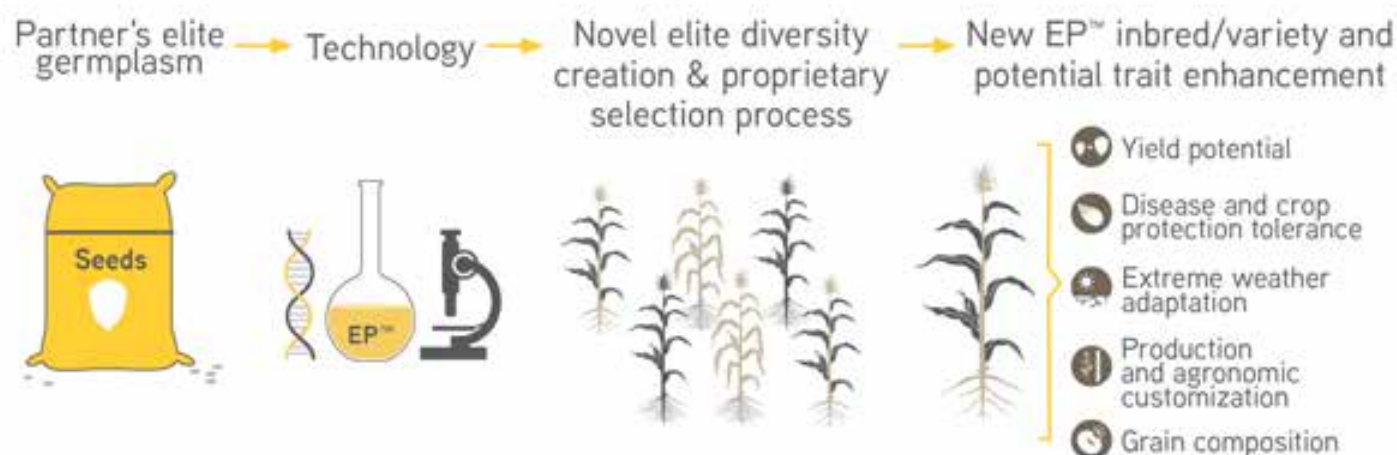
Kaiima is a plant genetics and breeding technology company that developed the proprietary, non-GMO technology platform called EP™.

The technology creates superior performing genetics in breeding programs and works with all major crops and plant species.

EP™ is a breeding tool that enhances plant performance by inducing novel diversity within the genome, using the plant's own DNA.

Kaiima collaborates with multinational and regional seed companies to develop solutions that sustainably address the growing need for improved crop productivity.

EP™ technology enhances partner's germplasm



Learn more at www.kaiima.com

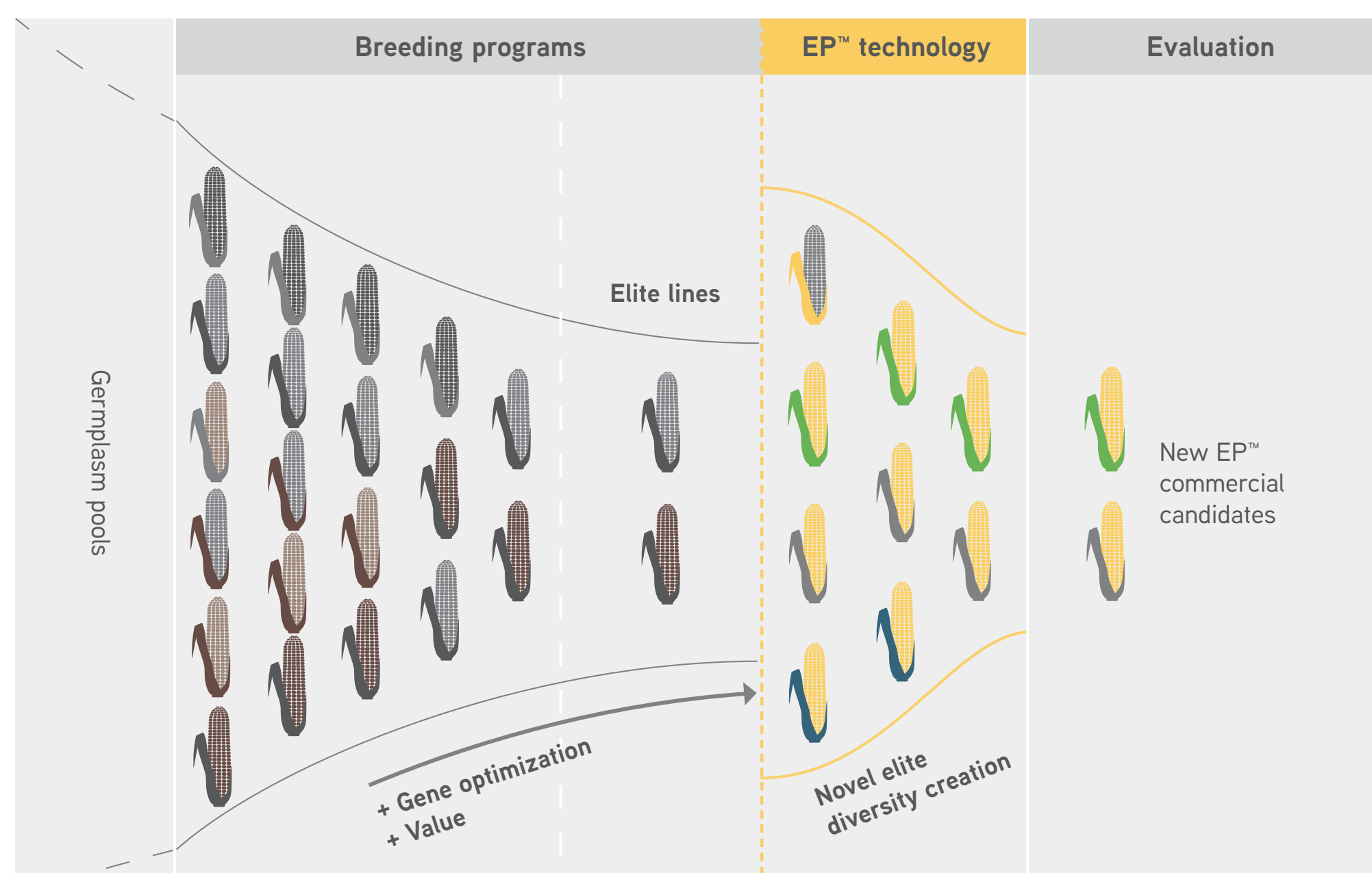


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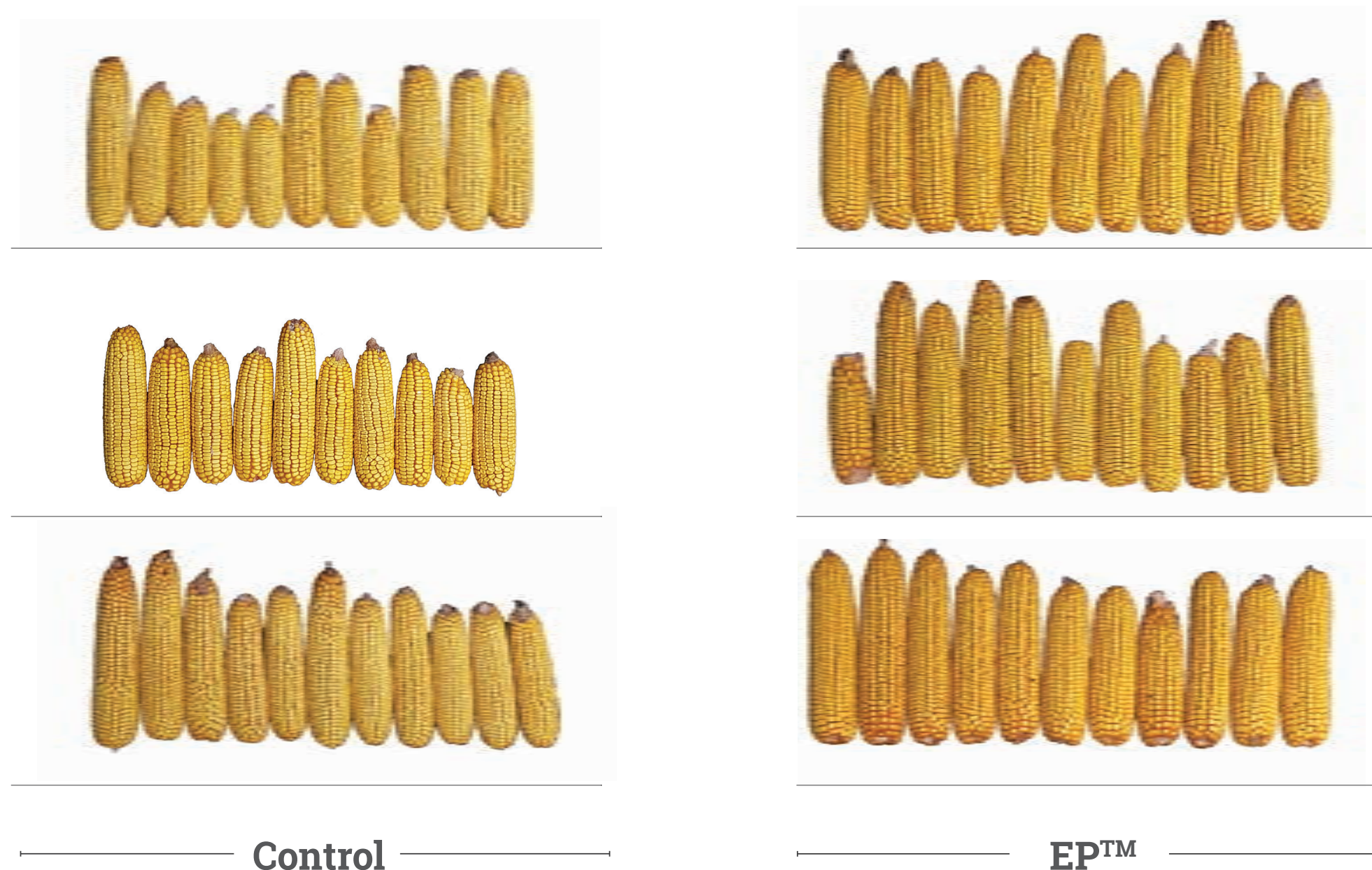


EP™ technology enhances partner's germplasm



Technology benefits

- **Yield gains in the range of 10%**
as observed at partner's multi-location field trials in the target market
- **Creation of elite novel diversity**
generates additional added-value traits and target outcomes
- **Different types of genetic modification**
that cannot be attained using mutagenesis
- **Non-GMO classification**
allows for fast and cost-effective global deployment
- **Efficient development timelines**
one or more years reduction compared to classic breeding
- **Cyclical genetic improvements**
without need for complimentary parent
- **Compliments existing breeding programs**



Learn more at www.kaiima.com



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Exceed the Seed Symposium- December 6, 2016

Overview



About Kaiima

The challenge

EP™ technology enhances partner's germplasm

Value proposition

Results

Timeline and business model

Corporate profile



Kaiima Bio Agritech is a genetics and breeding technology company that developed a proprietary, non-GMO platform called EP™.

EP™ boosts the inherent productivity and resource usage efficiency of food and feed crops - creating value for companies who develop improved seed varieties and to farmers who grow them.

| <u>Headquarters</u> | <u>Global presence</u> | <u>Employees</u> | <u>Ownership</u> | <u>Established</u> |
|--|---|------------------|------------------|--------------------|
| Moshav Sharona, Lower Galilee, Israel | Regional offices in the U.S. and China | >111 | Private | 2007 |

Investors

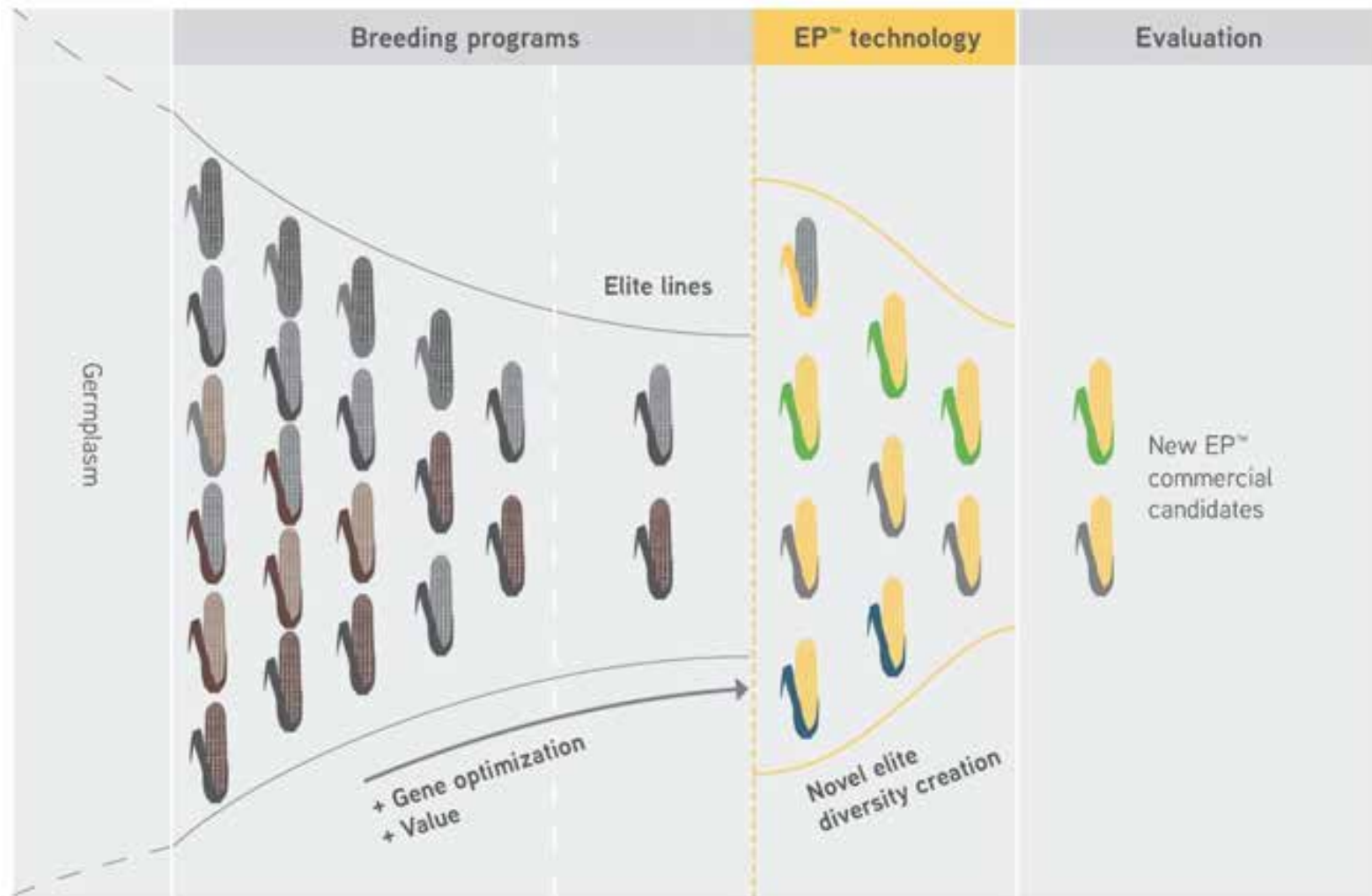
- DFJ Tamir Fishman
- Draper Fisher Jurvetson
- Horizons Ventures
- Infinity Group
- International Finance Corporation (World Bank Group)
- Kleiner Perkins Caufield Byers
- Mitsui Global Investments
- Musea Ventures
- Oberlee Holdings

Crop programs

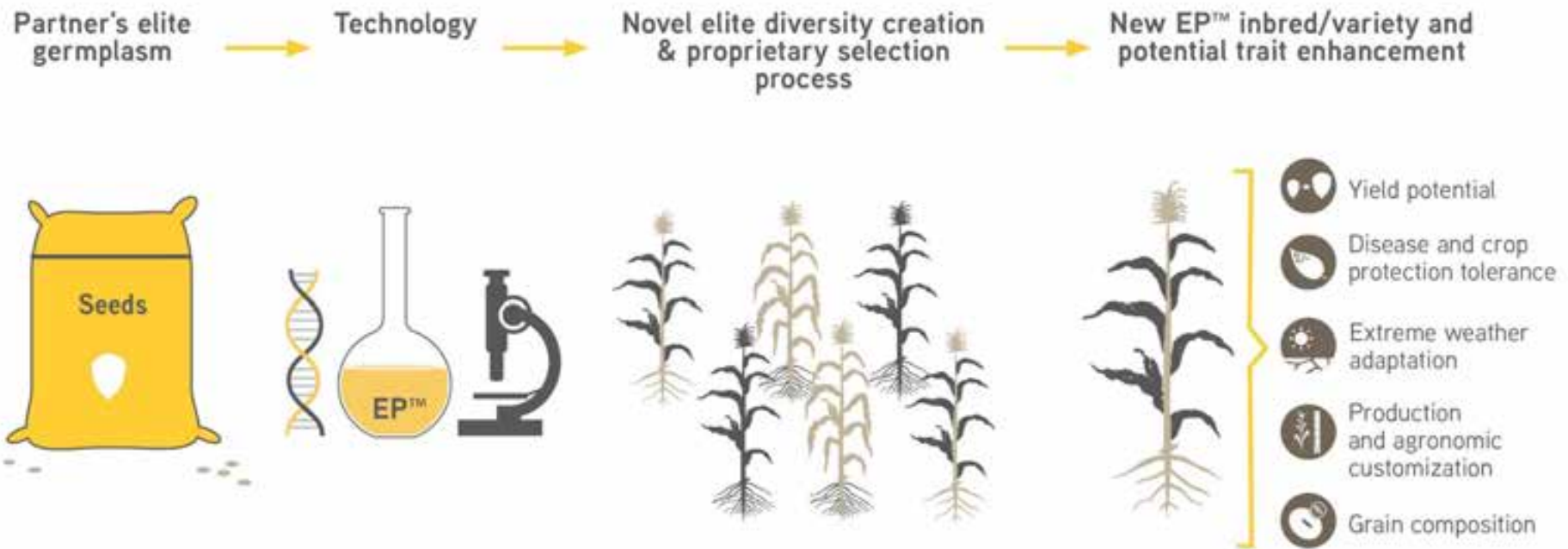
- Corn
- Soy
- Rice
- Wheat
- Rapeseed
- Tomatoes
- Peppers



The challenge: Breaking the genetic diversity barrier



EP™ technology enhances partner's germplasm



EP™ technology is a **non-GMO** breeding tool that enhances plant performance by inducing diversity within the genome, using the plant's own DNA.

Value proposition



Kaiima's EP™ technology opens a new and exciting gateway for genetic improvement while maintaining the essence of high-value germplasm

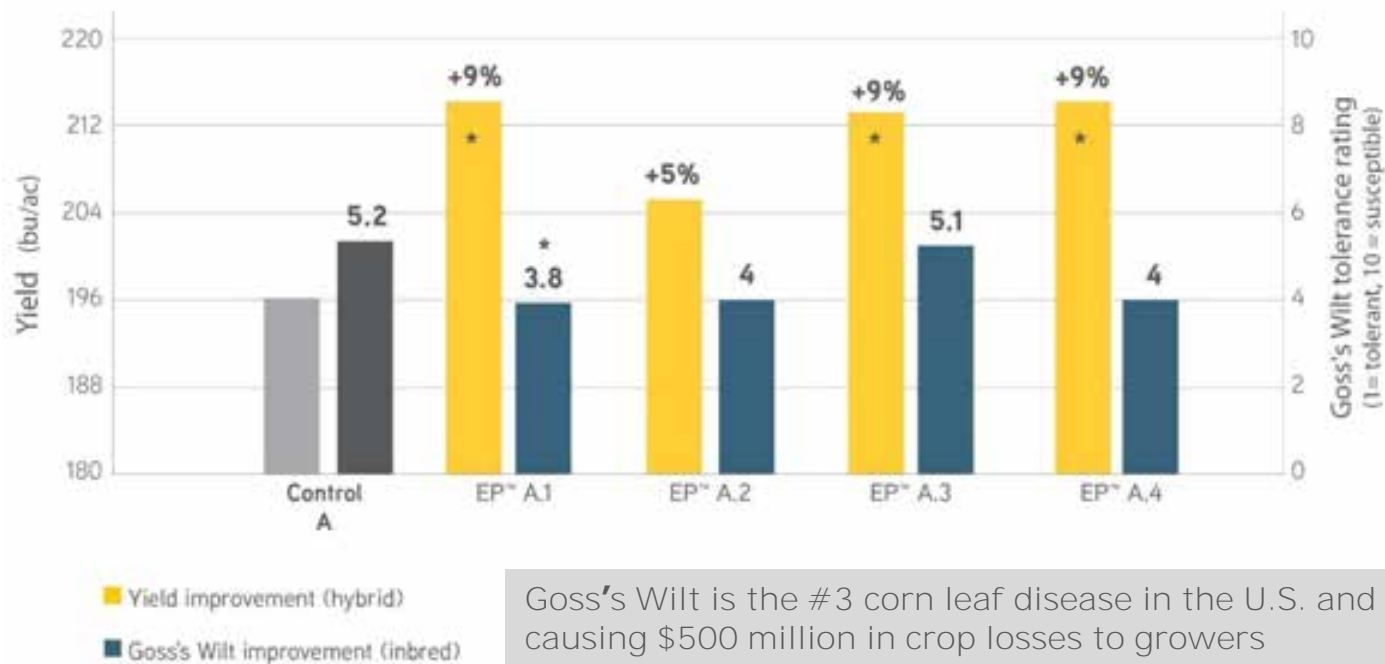
- Yield gains in the range of 10%
- Creation of novel diversity generates additional added-value characteristics and target outcomes
- Creates different types of genetic modifications than cannot be attained using mutagenesis
- Non-GMO classification allows for fast and cost-effective global deployment
- Cyclical genetic improvements without need for complimentary parent
- Efficient development timelines (one or more years reduction compared to classic breeding)
- Compliments existing breeding programs



Yield and Goss's Wilt tolerance improvements exhibited in key corn collaboration in U.S.



Best EP™ version showed 9% yield increase and 37% rating improvement for Goss's Wilt

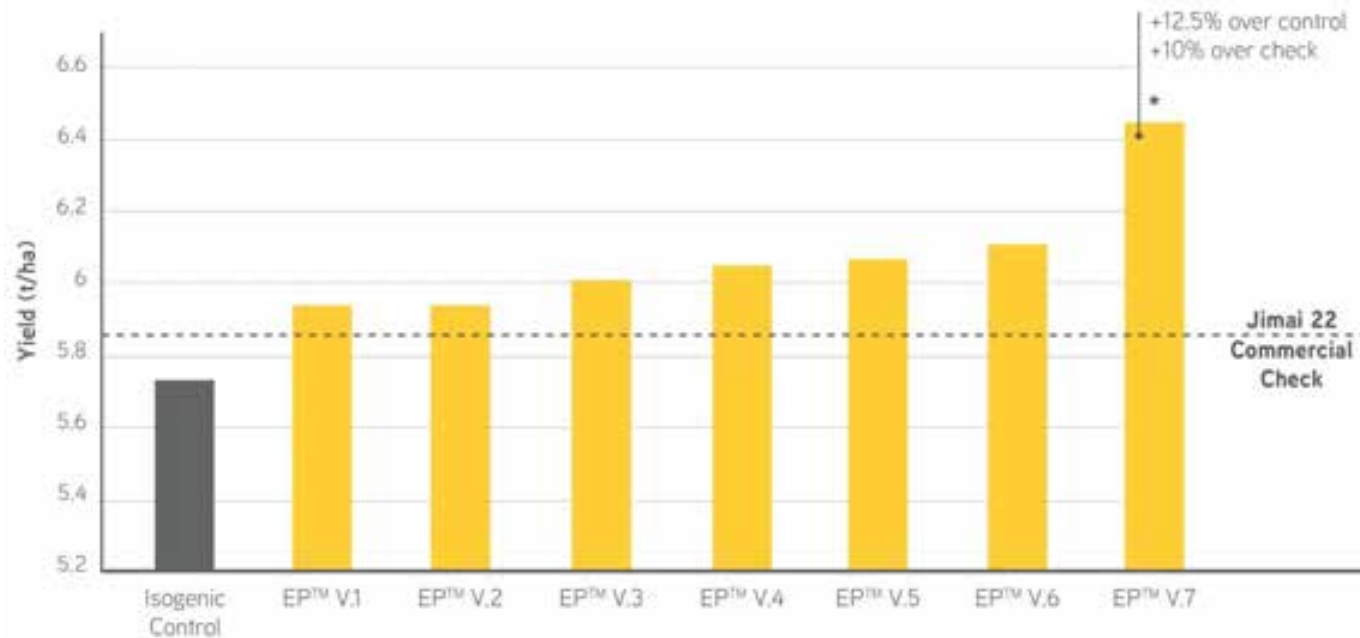


Yield increase of EP™ corn hybrid from multi-location trials in North America conducted by multinational seed company partner. Asterisk indicates statistical significance ($P < 0.05$). Yield trials conducted in 6 locations, 2 reps, 8m² plots. Goss's Wilt trial conducted in 2 locations, 2 reps, 20 plants per rep.

EP™ wheat project in China showed significant yield advantage



Best EP™ version yielded 12.5% over isogenic control, 10% over leading commercial check. Other EP™ versions showed between 3.5-6.5% yield advantage



Jimai 22 was the #1 variety in China in 2014 with >2 million Ha sown

Wheat trials conducted in 5 locations in China. Asterisk indicates statistical significance ($P < 0.05$).
Trial setup: 5 locations, 8.5m² plots, 3 reps.

EP™ soybean project in the U.S. shows induced diversity among sublines



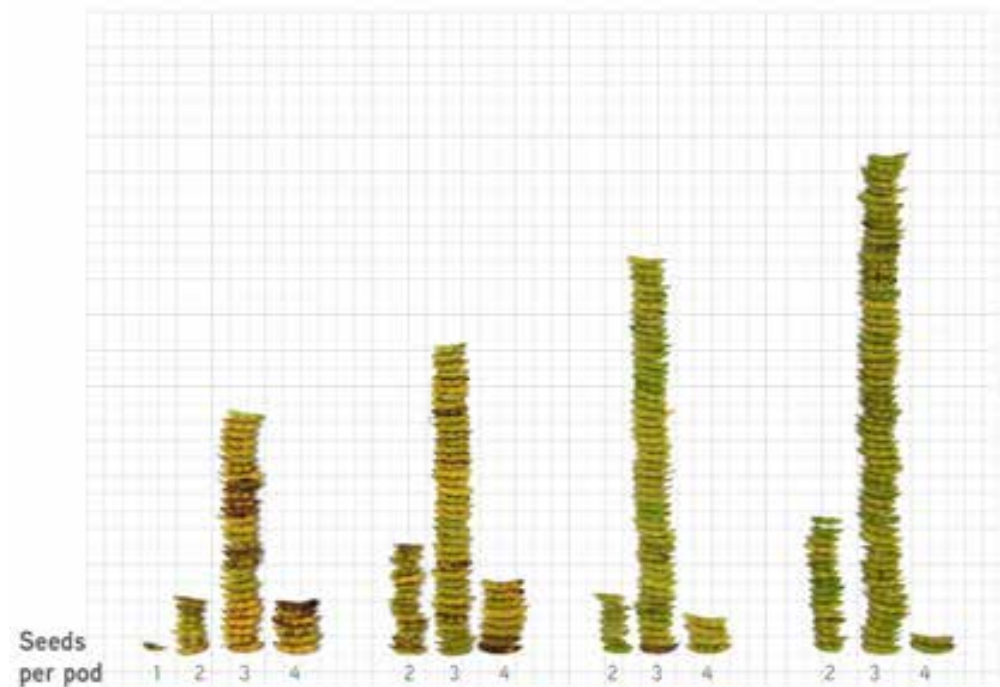
Selected EP™ sublines entering multi-location yield trials in 2017



Control

EP™ V.1

EP™ V.2



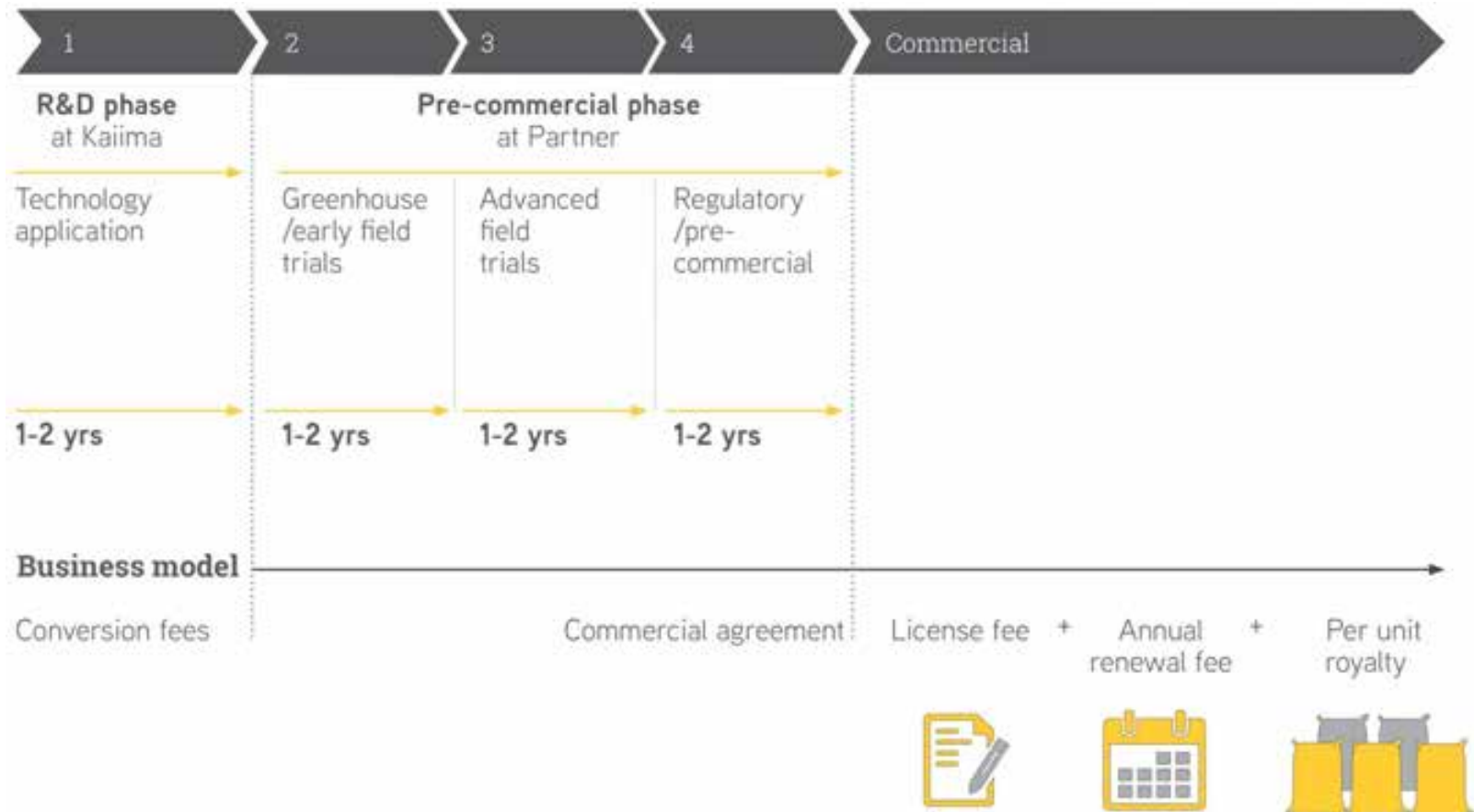
Control

EP™ V.1

EP™ V.2

EP™ V.3

Timeline and business model



Thank You!



www.kaiima.com