High Speed Potato Breeding (HiSPoB)

Horizon 2020
European Union Funding
for Research & Innovation

The aims of HiSPoB

1. Demonstrate introgression of new traits into potato hybrid cultivars in only two years
2. Implement a licensing system for market introduction of Solynta's HISPOB technology

Solynta revitalises potato breeding

The potato is excellently positioned to play a very important role in turning the high demand for resource-efficient and sustainable food production world-wide into an opportunity.

The main current varieties of potato are in cultivation for many years due to the genetic complexity of the potato and inefficient breeding process.

Solynta has developed a revolutionary breakthrough in potato breeding by establishing High Speed Potato Breeding (HiSPoB).

Solynta will develop new hybrid potato varieties within a time period of 2 years compared to >10 years in traditional breeding.

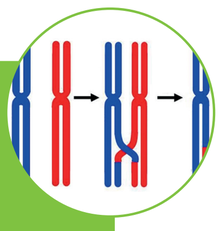
Expected outcomes

Strategy

2 years: 1 Hybrid
with 2 resistance genes

2017 Field test with potato hybrid with two-stack resistance genes

2016 Two generations of Marker Assisted Backcrossing (MAB) in different parental lines



2015 First crosses to introduce resistance genes from wild relatives into elite potato parent lines

Project website:

hispob.com

Solynta

Be aware: diploid hybrid potatoes are coming!