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Solynta 'Hybrid Potatoes from True Seeds' Technology named Dutch National Icon



Solynta "Hybrid Potatoes from True Seeds" Technology named Dutch National Icon

Nov 18, 2014 | **Source** :Solynta

In the presence of HRH King Willem Alexander, the Dutch Government through Minister Kamp honored Solynta as **Dutch National Icon** for its breakthrough discovery "Hybrid Potatoes from True seeds".

King Willem Alexander and Hein Kruijt CEO Solynta

"This breakthrough technique makes it possible to grow potatoes from true-seed instead of seed-tubers and makes targeted breeding possible. Valuable traits can now be utilized quickly, like disease resistance, nutritional value, and higher yields. Solynta underlines with this project the important Dutch contribution to the global food supply", says Dutch Minister of economic affairs, Henk Kamp.

Dutch National Icon

The Dutch government laureates both innovative as well as breakthrough projects which will contribute to future wealth and well-being and contributes to solving important societal problems. Through this competition the Dutch Government wants to inspire the Netherlands and showcase Dutch excellence to the world.

Solynta Technology: Hybrid potato breeding through True Potato Seeds (TPS)

During the last 60 years, a tremendous increase in yields have been accomplished in almost all agriculture and horticulture crops. This innovative push largely ignored potato, which is shown by the fact that Bintje 1905 is still the largest variety in Europe. Even though, with all its drawbacks, potato is already the 4th crop in the world (USD75B farmgate value).

Solynta's innovation now makes it possible to unlock potato's full potential:

Solynta's Breeding technology makes it possible to combine natural resistance existing in the Potato species so that the world might need up to 80% less fungicides and pesticides. Furthermore, the development and commercialization of new varieties will be much faster, in 2-3 years as compared to more than 12 years.

Targeted breeding, hybrid vigor and excellent starting material can realize yield increases over 30+% in the developed world and possibly over 100+% in the developing world. Furthermore, nutritional content (e.g. **Agventure B.V. Ex. 2001 IPR2025-00136** **Page 2**

healthy fries, low fat chips) may be improved, as well as processing traits for fries, chips, starch and bio-based processors.

(Click picture to watch video)



The Solynta method explained

Solynta's True to Type Potato Seeds allow:

- scaling-up to commercial crops in 6 month instead of 5+years for seed tubers
- to use True Potato Seeds as starting material instead of Potato Seed Tubers (30grams TPS compares to 2500kilo Seed Tubers)
- easy transport: True Potato Seeds are much easier to transport and store compared to perishable Potato Seed Tubers
- Potato seeds are many times cheaper to produce than seed tubers. They are a far better starting material than a degenerated clonal vegetated Seed Tuber and they are far less susceptible to diseases compared to tubers so TPS is far better from phytosanitary point of view.

Solynta's technology is a classical breeding technology used in different species over 100s of years and Solynta does not produce Genetically Modified Crops (also known as Genetically Modified Organisms (GMO)), which makes Solynta's technology worldwide applicable.

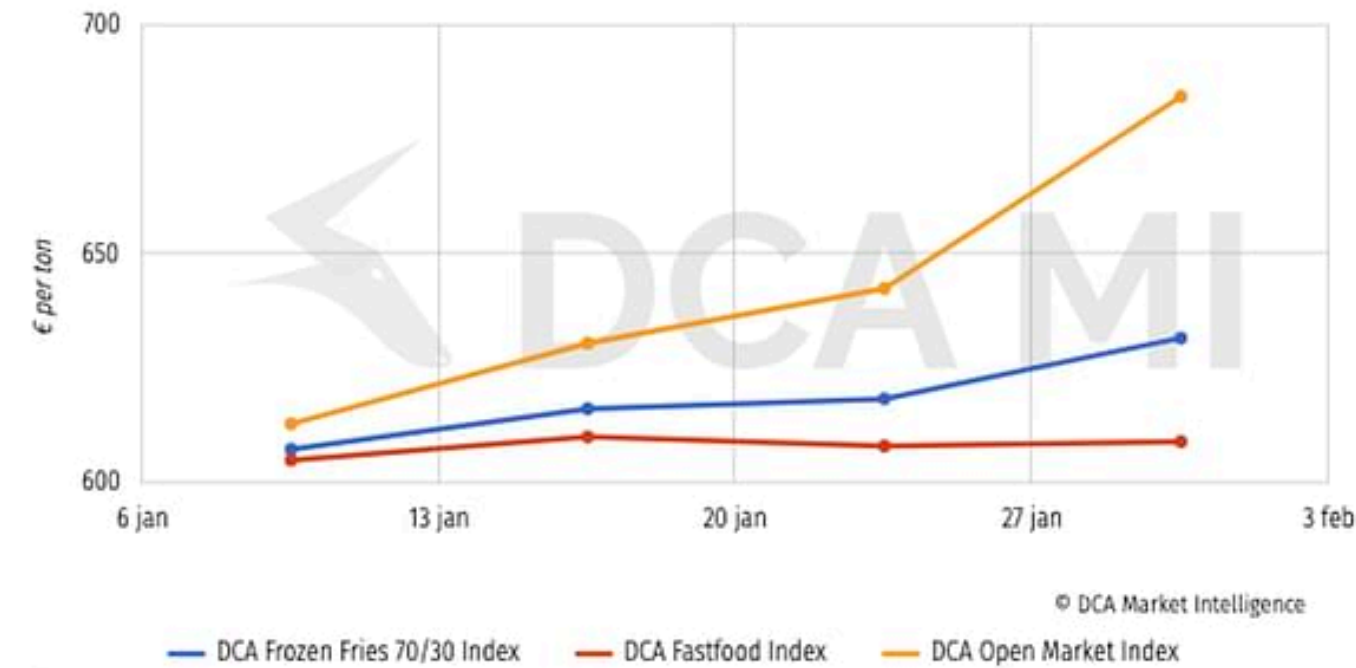
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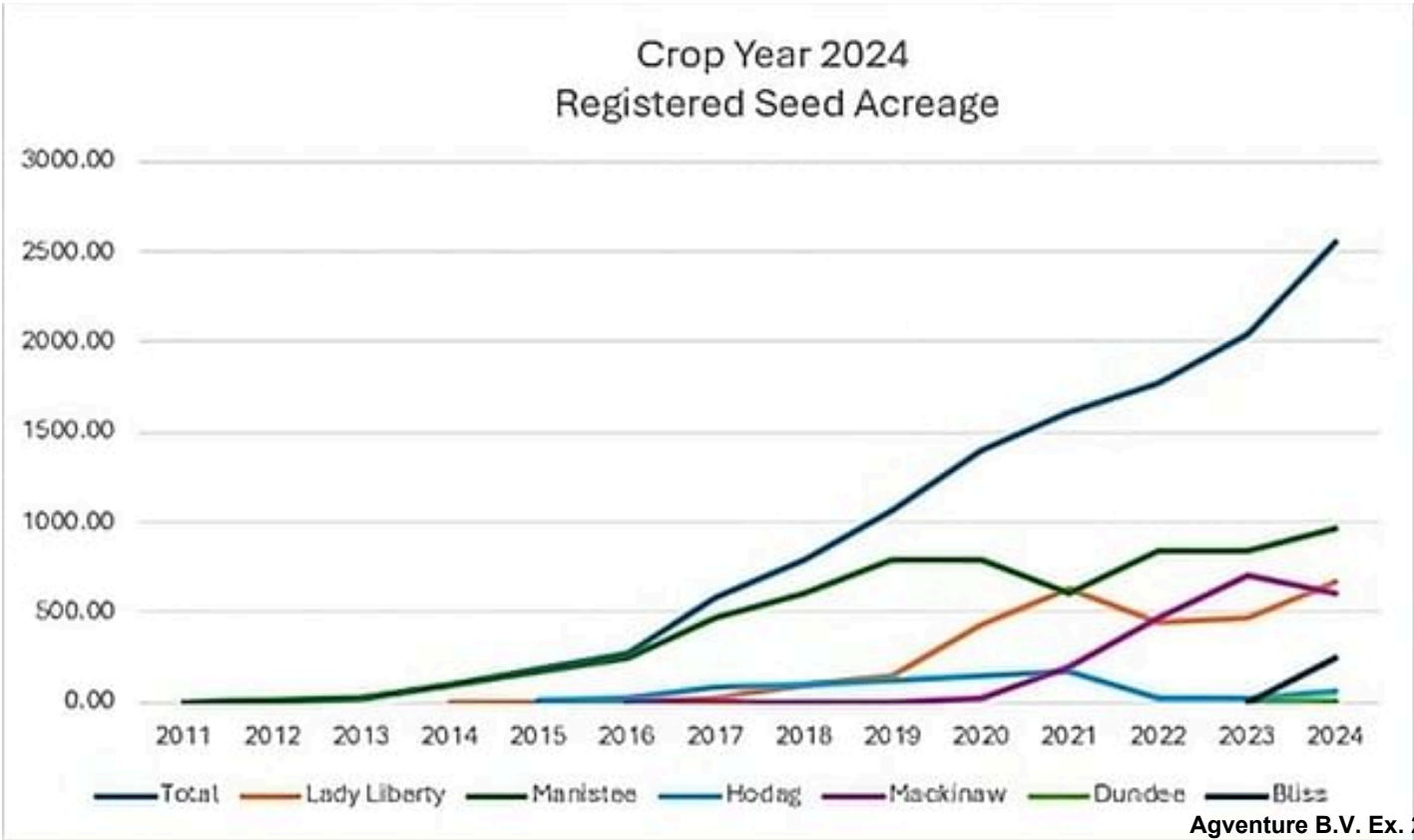
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Seed potato company HZPC expects strong result



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Solynta

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DCA Frozen Fries Indices

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13 jan	612	608	625
20 jan	618	610	635
27 jan	622	608	665
3 feb	632	610	685

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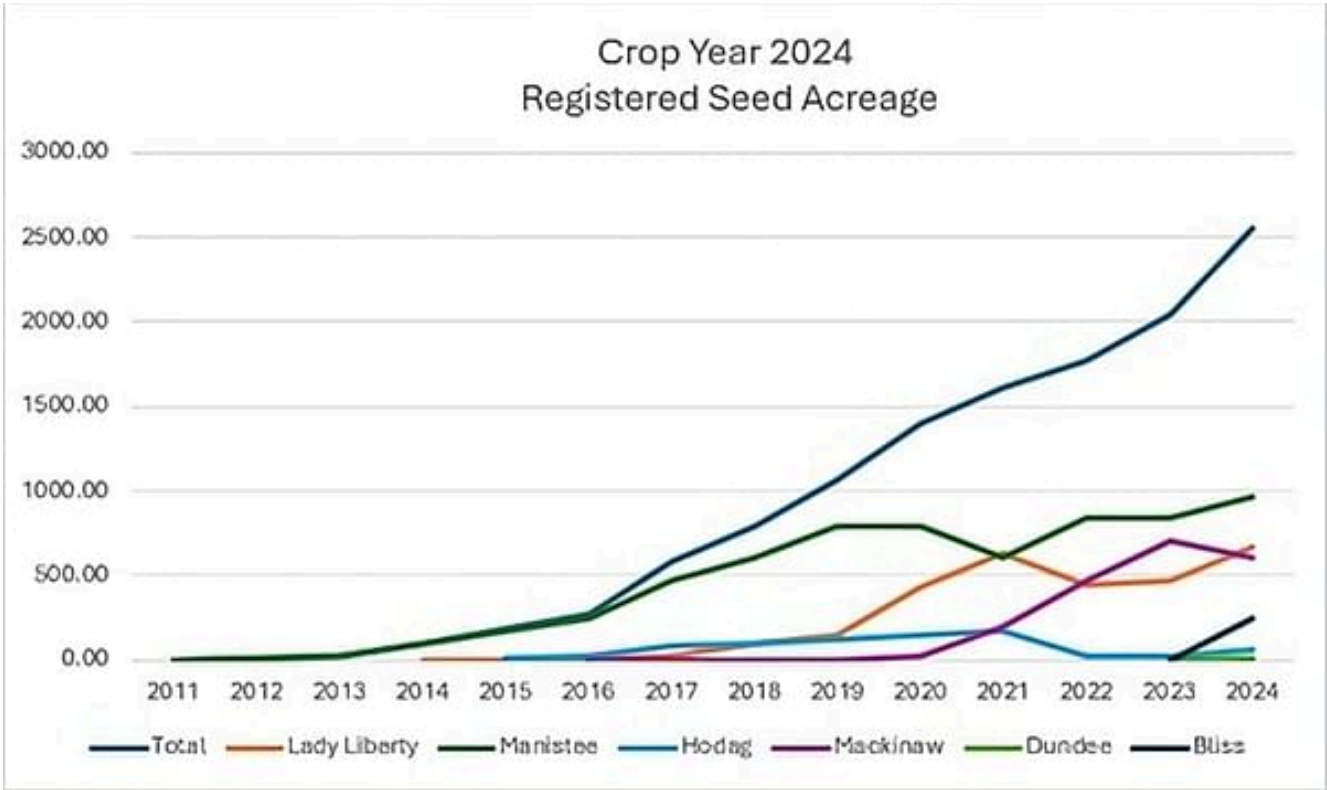
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DCA Market Intelligence launches new Potato Platform and three exclusive Frozen Fries Indices

February 17, 2025

DCA Market Intelligence strengthens its position as a leading Price Reporting Agency (PRA) in the international potato market with the introduction of the DCA Potato Platform and three new exclusive Frozen Fries Indices.

Netherlands



National Chip Program Participants See Unique Value in Industry Collaboration

February 16, 2025

The success of the potato industry is built on growers’ ability to introduce new potato varieties that meet market demands. For example, when snack-size bags of potato chips were popularized, the industry responded by breeding smaller potatoes for smaller chips to fit into the bags.

 United States





Seed potato company HZPC expects strong result

February 14, 2025

Seed potato breeding and trading company Royal HZPC Group, expects to achieve a strong result for the financial year 2024/2025 (July – June), with global total tonnage potentially surpassing the 1 million ton mark for the first time.



Netherlands



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