Barbed Corn and Clüsven bean



Ancient seeds in Bergamo

Mais Spinato di Gandino®



GANDIND The place

Gandino is a small town belonging to the tourist district called "Le Cinque Terre" of "Gandino's Valley". It is located a few kilometres away from Bergamo. It is a place rich of history, architecture and local traditions. A journey in this place gives you the possibility to discover this territory and its unique cultural and natural heritage with its outstanding cuisine, starting from its cornmeal called Barbed Corn of Gandino.

Interview

We have interviewed Angelo Savoldelli responsible for the didactics of the Barbed Corn Community of Gandino so that we can better understand what's behind the Barbed Corn and Clüsven Bean.

(<u>https://drive.google.com/drive/my-drive</u>)





Some more information about the Barbed Corn





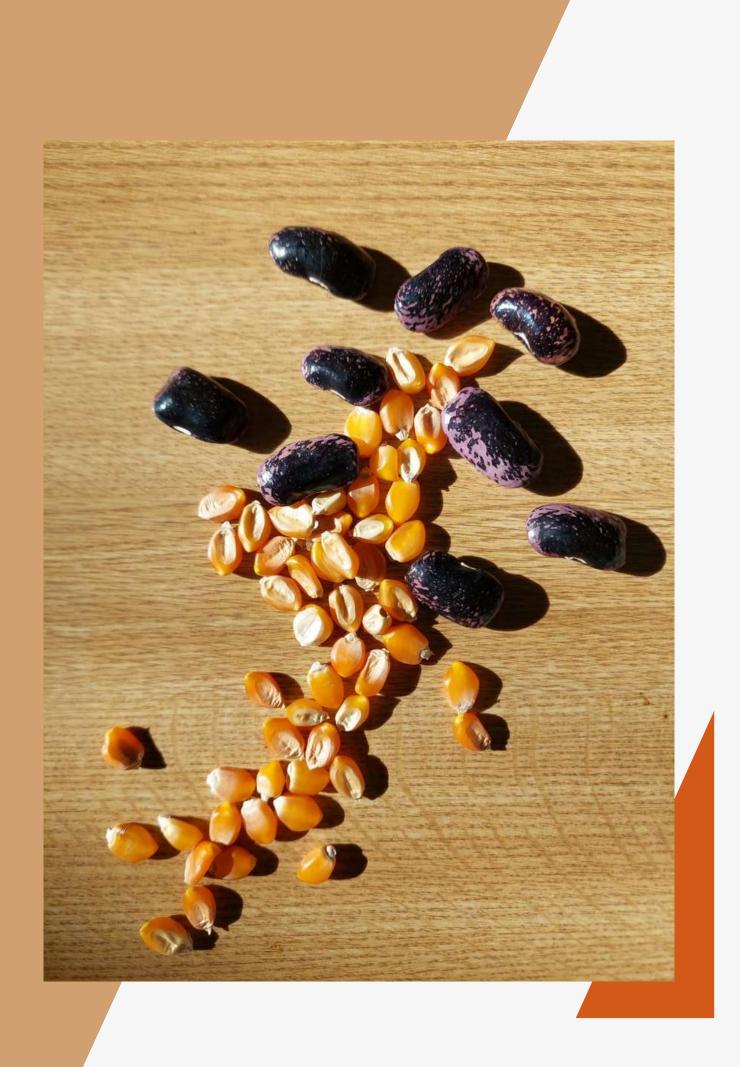
Where is it stored?

The seeds of Barbed Corn are today stored by the CRA (Centre for Corn Cultivation Research) of Bergamo, by the Bank of Germoplasm of Pavia and by the Svalbard Global Seed Vault in Norway.

Events

"**Days of Melgotto**" in Gandino, dedicated to the ancient corn to coincide with the harvest season.

A book of themed meetings that has become indispensable for all lovers of zero-kilometer quality products, joined in the latest editions by the "Galà dello Spinato".



Clüsven bean

• The Clüsven Bean has been grown in the municipality of Gandino, in the province of Bergamo for over 100 years.

• Used in vegetable soups, for pasta and beans, stewed with tomatoes and spices, it was included in the **Slow** Food Ark of Taste in 2016, together with Barbed Corn: an ancient tradition that becomes topical excellence.

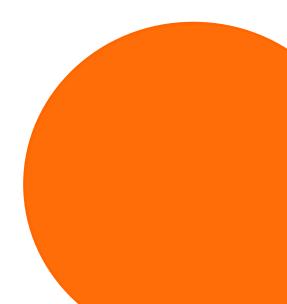


The consumption of vegetable proteins for food use is increasing, so new varieties are needed and existing genetic resources must be properly exploited to improve the adaptation of crops to European agroecosystems

Delegation of Bergamo at the FAO (Food and Agriculture Organization) in Rome. From right - Angelo Savoldelli, Fllippo Servalli e Roberto Colombi.

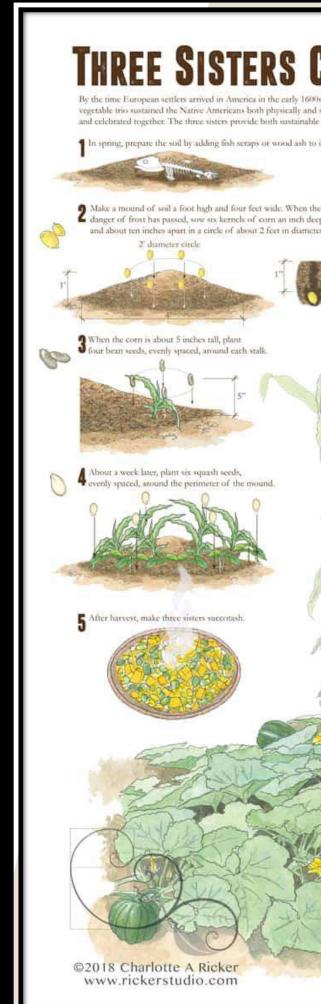
Activities continue for the European research project **INCREASE** which, thanks to a budget of over 7 million euros, brings together **28 international partners** from 14 different countries, among which, for the Bergamo area, also the Community of Barbed Corn of Gandino.

The project aims to examine the state four of important traditional European legumes (chickpeas, beans, lentils and lupins) and to develop efficient conservation tools and methods and promote the use of agricultural biodiversity in Europe and the cultivation and consumption of leguminous plants.



INCREASE Barbed Corn of Gandino is working on the project of "**Clüsven Bean**", a legume of the Phaseolus Coccineus family that has been cultivated for over a century in Gandino (Bergamo - Italy), in the same area where the Gandino's Barbed Corn variety was cultivated since 1632.

The project INCREASE, funded by the EU's Horizon 2020 research programme and launched in May 2020, aims to develop efficient and effective conservation tools and methods for genetic resources to foster agricultural biodiversity in Europe through participatory research.



It is not only the variety, but also all the work around it..

In Gandino, refers Mr. Angelo Savoldelli: "we have been experimenting the cultivation of corn, climbing beans called *Clüsven* (which not only find a support on the corn plant, but also extract from the air nitrogen and fixes it in the ground, the corn plant needs nitrogen and finds it ready in the ground). The "third friend" of the group is the **pumpkin** because pumpkins have very large leaves, which mantain the ground wet with their shadow. Therefore you don't need so much water for the plants, expecially in the mountains where there are no canalizations and in particular with today's shortage of water. Our way is totally natural and local."

THREE SISTERS COMPANION P

ted the Native Americans both physically and spiritually. In legend, the plants were a gift from the gods, always to be grown, eat ed together. The three sisters provide both sustainable soil fertility as well as a heathly diet from a single planting

pare the soil by adding fish scraps or wood ash to increase fertil

BEANS

ing it to the soil and vines wind nd twist towards the sunlight, they bind the three together and

SQUASH

The large leaves of the spraouish provide shade keeping th oil cool, moist and weed-free create living mulch that shades noist and preventing weeds. The prickly squash leaves also keep way racebons, which don't like t

TOGETHER

he three sisters provide bot tainable soil fertility as well s a heathly diet.

Thanks for the attentionII

and thanks to professor Angelo Savoldelli for the interview!

Mais Spinato website: https://www.mais-spinato.com/

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