

Introducing Seabuckthorn in the Province of Quebec – Production challenges.

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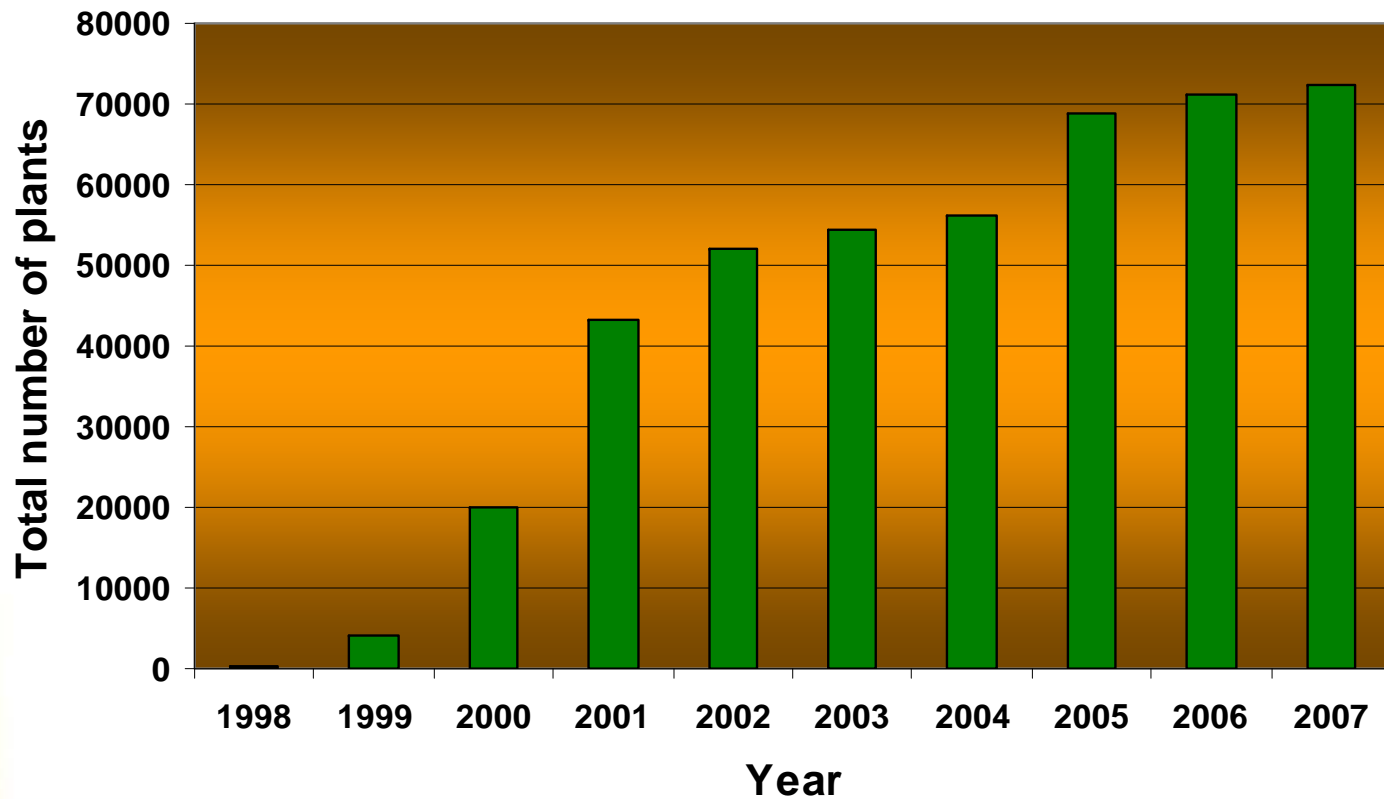


Seabuckthorn in the Province of Quebec

- Non native to North America.
- Long used as an ornamental plant.
- First implantation in 1998.
- 1999 -> First research project (MAPAQ) on Orleans Island.



Seabuckthorn in the Province of Quebec



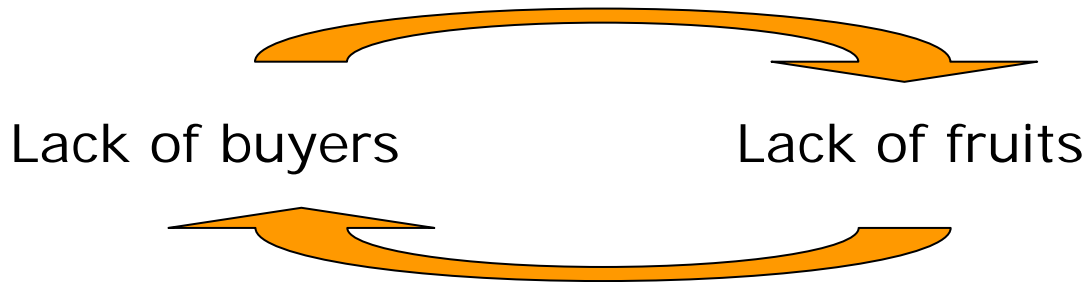
Why cultivate seabuckthorn in Quebec?

- Nutraceutical properties.
- Products with high added value.
- Climatic conditions favorable for growth.
- Large surface areas available.
- Crop diversification.
- Erosion control on river banks.
- Tolerate poor soils.





Factors limiting development of seabuckthorn in the province of Quebec



Harvest problems:

- thorns
 - fruits difficult to detach
 - labor-expensive
- Collect by cutting the branches, freezing and drop off (Germany).

Fruit harvest in Quebec

Cutting of branches



Freezing

Mechanical
drop off

Branches and leaves



Frozen fruits

Factors limiting development of seabuckthorn in the province of Quebec

Presence of diseases or insects.

- NO product registered for seabuckthorn.



Factors limiting development of seabuckthorn in the province of Quebec

- Abundance of snow requires adequate pruning and protection for the first winters.



Factors limiting development of seabuckthorn in the province of Quebec



Factors limiting development of seabuckthorn in the province of Quebec



How to ensure the development of the seabuckthorn in Quebec

- Make seabuckthorn known to the public.
- Develop new markets.
- Develop new products in collaboration with the industry.
- Create a Growers' association.



Quebec Seabuckthorn Growers' Association (APAQ)

Founded in 2001.

Goals:

- Regroup any individual, groups or corporation producing or interested in producing and developing seabuckthorn in Quebec;
- Elaborate and promote high standards for the production, the processing and the marketing of seabuckthorn;
- Encourage the exchange of information between growers and develop tools for the publication of such information;
- Be an official organization which represents its members to all other organizations implicated in the field of agricultural and silvicultural productions.

Web site: (www.argousier.qc.ca).

2007 → 23 members

Promotion program of seabuckthorn

1. Network of cultivar trials.
2. Crop management practices.
3. Characterization, valorization and processing of fruits.
4. Mechanization of harvesting practices.

Financial support of:



Développement
économique Canada
pour les régions du Québec

Canada Economic
Development
for Quebec Regions



Agriculture and
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Agriculture et
Agroalimentaire Canada



SADC
Société d'aide
au développement
de la collectivité
de Charlevoix

Agriculture, Pêcheries
et Alimentation
Québec
Capitale-Nationale



Promotion program of seabuckthorn

- **This program allowed:**



- to identify the most interesting cultivars;
- to optimize the control of irrigation;
- to identify potential pests;
- to evaluate recovery after strong pruning;
- to characterize the components of the fruits;
- to develop extraction methods for compounds of interest (ex. oil);
- to develop mechanization of harvest;
- to create various promotional documents.

Seabuckthorn products made in the Province of Quebec

Seabuckthorn products made in the Province of Quebec

- Seabuckthorn soap



Seabuckthorn products made in the Province of Quebec

- Seabuckthorn liquor



Seabuckthorn products made in the Province of Quebec

- Chocolate filled with seabuckthorn



Seabuckthorn products made in the Province of Quebec

- Seabuckthorn sherbet



Another use of Seabuckthorn berries produced in the Province of Quebec...

- High gastronomy restaurants

Toqué!



Merci de votre visite au Québec!
Thank you for visiting us in Quebec!
谢谢您光临魁北克!

