

BIO CĂTINA COOPERATIVA AGRICOLĂ

ROMANIAN SEABUCKTHORN PLANTATIONS ECOLOGICAL CERTIFIED



The Plant (Seabuckthorn berry - Hippophaë Rhamnoides)



→→→ The Seabuckthorn berry is a super fruit full of all the Omegas 3-6-9 and the rare Omega-7, as well as a host of antioxidants and other healing nutrients. It has been used to heal psoriasis and make skin glow, boost immunity, slow aging, and lower cholesterol, but it also has numerous other qualities that make it a superior source of vitamins and minerals we all need.

→→→ In the ripe seabuckthorn fruits the vitamin C content exceeds 400-800 mg per 100 g fresh fruit. Other contained vitamins are A, B1, B2, B6, B9, E, K, P, F. Also cellulose, beta-carotene (a rate much higher than in carrot pulp), trace elements like phosphorus, calcium, magnesium, potassium, iron and sodium, complex oils, etc.

→→→ The fruit is full of carotenoids, xanthophylls, phenolics, and flavanoids, too. Its an absolute power house of nutrients!

→→→ The leaves, berries and roots can all be used in different forms. It is a complete food that can support the human body in all the following ways:

- Treats gastrointestinal disorders including ulcers
- Reverses gout
- Eliminates skin rashes
- Cures infections
- Improves sight, lessens eye soreness
- Promotes colon health
- Contributes to proper brain and nervous system functioning
- Reduces inflammatory response in the body
- Improves mental clarity

- Treats asthmatic symptoms
- Reduces skin markings associated with measles or mumps
- Reduces illness associated with cancer
- Lowers cholesterol
- Boosts lymphatic circulation and immunity
- Reduces hunger (due to Omega 7s)
- Improves the look of skin & hair (also due to Omega 7,3,6 and 9s)
- Neutralizes free radicals in the body
- Slows the aging process
- Supports internal organs
- Boost health of mucous membranes lining the digestive tracts
- Supports urogenital system
- Reduces the condition of a fatty liver
- Helps to increase cellular vitality



The Plantations



→→→ Location

The farms are located in couple of counties across Romania: Roșiile (Vâlcea county), Valea Mare (Dambovita county), Moșnița Nouă (Timișoara county) and Rușețu (Buzău county).

The Arges river flowing along the Valea Mare valley in Arges, while another plantation is near to Șasa Valley in Roșiile, Vâlcea.

Plantation are placed in favorable microclimats ranging from Arges meadow to fertile valley of Șasa.

All our plantations are 70 km South West of Vâlcea, 80 km North West of Bucharest, 15 km East of Timișoara and 50 km East of Buzău.

The plantation are scattered along Romania landscape providing full climate environmental security.

→→→ Ecology and Soil

The locations were carefully chosen in the fertile floodplain surrounded by the wild Romanian Carpathian and along the rivers of Argeș and Șasa.

The composition of soil of type sandy loam with middle eutricambosoil stalled in the first 50 cm is influenced by the groundwater near the surface and offers exceptional premises for the culture of the seabuckthorn orchard.

The fruits obtained have outstanding nutritional values.

Three of our plantations are ecological certified, for the rest the certification process is ongoing and due to finalize in 2017. We only use environmental friendly substances for fertilizers and weeds.

→→→ Seedlings

The seedlings used for the seabuckthorn plantation are certified and have been supplied by the Institute of Research & Development POMICOLA Mărăcineni and SC Primagra S.R.L. Arad.

→→→ Harvesting

The farm has its own equipment for -40°C fast freezing and storage at -20°C used exclusively for seabuckthorn fruits.

We use the latest agricultural technology flow that allows harvesting the fruit without operators actually touching the fruit.

→→→ Freezing method

The result of using modern technology in our farm is measurable: the seabuckthorn berry reaches the freezing chamber at -40°C within 2 hours from harvest.

By freezing the fruits at -40° C, the natural processes of decay are stopped. It is an innovative method of harvest that guarantees keeping unaltered the properties of the seabuckthorn fruit.

The fruit is harvested in August and September, at full maturity. It is then selected, resulting in a homogeneous product of a constant quality.

→→→ Modern equipment

We use modern drip irrigation systems and reliable tractors equipped with all modern accessories for a full mechanical maintenance of the land. We work with hydraulic offset cultivators, shredders for cutting grass & branches and harrows for tilling in between and for an optimum soil leveling.



The Product



→→→ The frozen sea berry fruit is the main product of our farms:

- ❖ Each component percent depends on the variety , the time of harvest and climatic conditions of the year.
- ❖ Every year we make specific determinations of bioactive compounds from this fruit for each variety, at NIG laboratories Magdeburg, Germany.

→→→ Description of planted seabuckthorn varieties:

- ❖ **CLARA** Early, large fruit , yellow-orange, juicy pulp, thin skin, 78 g/100 fruits, C Vit. 340 mg%, Carotene 3,9 mg%, Total Oil 4,8 %.
- ❖ **MARA** Large fruit, intense yellow-orange, 64 g/100 fruits, C Vit. 380 mg%, Carotene 12,84%, Total Oil 6,2%.
- ❖ **CORA** Round fruit, yellow-orange, 54 g/100 fruits, C Vit. 690 mg%, Carotene 8,9 mg%, Total Oil 5,8 %.
- ❖ **SORANA** Late, Mid-sized fruit , elliptical, red-orange color, intense flavor
- ❖ **PITESTI2** Very early , mid-sized fruit , round, intense yellow color

Clara



Mara



Cora



Sorana



Pitesti2



Photos from the plantation



Certified Seedlings



Comparing the sketches



Mechanized planting using GPS



First spring



First winter



Modern equipment



Photos from the plantation



Maintenance works – spring 2015



First buds



Plantation maintenance



www.biocatinromania.ro
MADE IN ROMANIA



Freezing and Storage Equipment



Storage equipment (-20°C)



Fast Freezing equipment (-40°C)



You are welcome to visit us!



BIO CĂTINA COOPERATIVA AGRICOLĂ
CUI: 36569857, Reg. Com: C15/7/27.09.2016
Address: Sat Livezile, Com. Valea Mare, No. 299
Cod: 137488, Jud. Dâmbovița
office@biocatinaromania.ro
www.biocatinaromania.ro



PLANTAȚII ROMANEȘTI DE CĂTINĂ CERTIFICATE ECOLOGIC

www.biocatinaromania.ro
MADE IN ROMANIA

