

FRUITS WITHOUT BORDERS - Growing organic fruits beyond cold climate limitations

Canadians can now grow locally ALL the fruits needed for their consumption - all delicious, 100% organic and produced in a sustainable manner...



Apricots



Cherries



Peaches



Nectarines



Figs



Grapes

Montreal, Jul 11, 2020 ([Issuewire.com](http://www.Issuewire.com)) - As we all know, the healthiest and most ecologic & sustainable fruits and vegetables that we can eat are the ones grown by ourselves in our own garden... The next healthiest fruits and vegetables are the ones grown locally by other people dedicated to

organic agriculture...

If we happen to live in a warm climate, growing locally organic fruits and vegetables is quite... natural... But if we live in a cold or temperate climate, growing locally most of the fruits that we like is not quite possible... Or at least it seemed so...

The good news is that we now have an organic and sustainable solution for growing a much larger variety of fruits than what a cold climate allows us!

Canadians can now grow locally ALL the fruits needed for their consumption - all delicious and 100% organic, produced in a sustainable manner, says engineer Dan Bostan, founder and president of the Montreal-based Human Wisdom specialized in sustainable solutions.

Cherries, apricots, peaches, nectarines, figs, table grapes, and other temperate-climate fruits can be grown practically everywhere across the country... says Bostan.

In the warmer climate regions of Nova Scotia, South Ontario, and BC we can grow citrus, pomegranates, persimmons, and other subtropical fruits... And in the warmest climate regions of BC, we can grow mangoes, avocados, pineapples, bananas, and practically any other tropical fruits... All in 'indoor orchards' without any heating consumption and costs.

His first statement is based on actual experimental results, the second one on extrapolation... In the last several years, Bostan has built and tested six different models of unheated greenhouses of various sizes, construction solutions and thermal performance. Four years ago, he put together everything he learned in prior years and built an experimental model of an unheated greenhouse that can enhance the local climate zone by 4 zones - and he called it the **Plus4Zones** greenhouse.

Our experimental greenhouse, says Bostan, is located about 100 km South from Quebec City in climate zone 4 - where minimum winter temperatures can reach -30 Celsius (-22 Fahrenheit) and sometimes even lower - and it creates an indoor environment equivalent to climate zone 8. Inside this greenhouse, he planted fruit trees and grapevines that could not normally survive or produce fruits outside in the local cold climate, creating what he likes to call an *indoor orchard*... and they all produced delicious fruits...

It is hard to describe the joy of growing, harvesting, and eating delicious fruits from your own fruit trees and knowing they are 100% organic, says Dan Bostan.

Growing fruit trees in a greenhouse explain Bostan, has several advantages over growing them in the field and makes it easier to grow 100% organic fruits... He searched and analyzed various organic growing methods that people are using in different parts of the world and found one that is also self-sustainable - he implemented it and has been applying it on his fruit trees in the last few years with excellent results.

Among the features of the Plus4Zones greenhouse, Bostan enumerates: it is a rather *simple solution* and *affordable to build and operate*, it facilitates *high productivity* allowing us to grow at the same time fruit trees and also a good deal of vegetables, and is also... *quite nice looking*, as it does not totally resemble a typical greenhouse...

Encouraged by the fruitful results of his experimental greenhouse through two particularly cold winters in Quebec in 2017-18 and 2018-19, Bostan is ready to build an improved prototype that can then be produced in any size desired - from a mini-indoor orchard in someone's backyard to a large size

commercial greenhouse. He also intends to focus on testing different solutions to maximize the fruit productivity of the indoor orchard.

Bostan is sharing the results of his work and offer assistance to everyone interested in building an indoor orchard either of their own or in their community, starting a lucrative business as an organic fruit grower, or becoming a local manufacturer of ecological greenhouses. But he feels much more could be done to help people enjoy locally grown delicious and organic fruits as soon as possible...

After seeing the multiple benefits of growing fruit trees in an unheated indoor orchard, Dan Bostan is launching an invitation to a sustainable project worldwide called **FRUITS WITHOUT BORDERS**. "This is a synergic and interactive project meant to encourage and support growing locally a much larger variety of tasty and healthy fruits beyond the limitations of the regional cold climate. And we can achieve *that* by sharing and applying everything that we know right now in this domain, and by improving it further through our joint efforts", says Bostan.

More information about the **Plus4Zones** greenhouse and the **FRUITS WITHOUT BORDERS** project can be found on these YouTube video presentations:

Plus4Zones unheated greenhouse – A few good news that can improve our lives

<https://www.youtube.com/watch?v=epAIGKakXCk>

Plus4Zones unheated greenhouse – An invitation to a sustainable project worldwide

<https://www.youtube.com/watch?v=Ym9B8dMoeh4>

How I built the Plus4Zones unheated greenhouse & the organic and sustainable indoor orchard

<https://www.youtube.com/watch?v=lnmpeYFBm54&t=1055s>

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