



**PRO-NATURA**  
INTERNATIONAL

Innovation towards Sustainable Development  
Member of IUCN, the International Union for Conservation of Nature

**WORLD FOOD DAY**  
**14 OCTOBER**  
**1 DAY TO DO IT: GIVE A SUPER GARDEN**  
**TO AN HAÏTIAN FAMILY**  
**= 5 WEEKS**  
**TO BEGIN TO END HUNGER**

A biochar-enriched Super Garden of less than 60 m<sup>2</sup> provides nutritious food for a family of 10 with 80% less water saving







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## GIVE A SUPER VEGETABLE GARDEN TO A HAITIAN FAMILY


### A biochar-enriched Super Garden of less than 60 m<sup>2</sup> provides nutritious food for a family of 10 with 80% less water saving


Pro-Natura International, in association with the social enterprise JTS Semences<sup>1</sup>, has developed the innovative, ecological and highly productive Super Garden, originally designed for Africa. It is a combination of the Improved Tropical Garden of JTS Semences and Pro-Natura's biochar.


The result of 15 years of research and 30 years of field experience, designed for tropical climates, the Super Garden is a mode of intensive and ecological vegetable cultivation that yields over one tonne of vegetables per year on only 60 m<sup>2</sup>, providing families of 10 people with a nutritious diet. The corresponding kit includes non-GMO high-yielding seeds, soil amendments, adapted irrigation devices together with innovative equipment (covering veils, tools, etc.).

The production is constant throughout the year, irrespective of seasons, in approximately 5 weeks for short cycle vegetables. The system allows a reduction in water consumption by over 80% and reduces the labour required for two hours per day.



 The Super Garden has many innovations notably biochar produced with Pro-Natura's green charcoal technology. Soil fertilisation using charcoal dust (biochar) is an ancient practice employed more than 7,000 years ago by pre-Columbian Indians in the Amazon regions. The exceptional properties of these soils have been preserved until today, and are being discovered by the scientific community which is now showing great interest in biochar.

 Pro-Natura's biochar avoids environmental problems associated with charcoal production since it involves green charcoal produced exclusively from renewable biomass (unused agricultural or forestry residues, invasive plants, etc.). It is the product of a continuous carbonisation, both efficient and ecological, using the Pyro-6F machine. Complementary fertilisers are limited to organic products such as compost and manure.

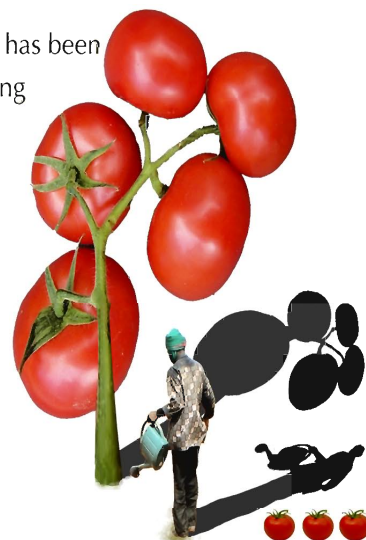
 This technique allows to significantly increase the productivity of agricultural land, once the soil has been enriched by incorporating once and for all one kilogramme of biochar per m<sup>2</sup>. In addition to improving soil fertility, biochar also acts as a sustainable carbon sink by sequestering carbon from atmospheric CO<sub>2</sub> (one tonne of biochar being equivalent to around 2.7 tonnes of CO<sub>2</sub>), thus mitigating long-term climate change.

The Super Garden comes in a basic kit, to which certain options can be added so as to further increase productivity and enable the establishment of the garden. It is ideally integrated into agroforestry systems to conserve biodiversity in rural areas.

A PRACTICAL NUTRITION GUIDE IN CREOLE FOR FAMILIES AND TRAINERS WILL BE EDITED BY THE END OF THIS YEAR.

THE CULINARY ADVICES ARE AIMING AT IMPROVING THE NUTRITIVE QUALITIES OF MEALS, AT ECONOMISING ENERGY AND COOKING WATER.

<sup>1</sup> <http://www.jtssemences.com/>



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International Charity (Loi de 1901 J.O. 23.09.92 N° 39)



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### The kit includes:



**Plastic lining** : This allows for limiting the plot size and the restriction of work to a single place (like a flower pot) resulting in subsoil enrichment and pest control, as well as controlling water and wind erosion. Plastic lining constitutes the basis of the technique. Its installation leads to deeper work on the soil, and therefore both deeper rooting and better lateral growth of plants;



**Water retention mini-sponges** : Water absorbers contribute to a reduction in water use. Added to the plastic lining and the veils, the water consumption is 4 times less than under standard farming practices ;



**Organic fertiliser** : This very important for regenerating soil fertility and contributes to healthy plant growth;



**Germination veils** : they help counter water evaporation by at least 2/3, limit the time when the stomata (foliar cells of the plant indispensable for photosynthesis) remain closed during the hottest hours of the day thus increasing the photosynthesis period, create a barrier to flying insects and form a protection against sand storms as well as heavy rain ;



**Nursery veils** : These guarantee the same effect as production veils over small surface areas characteristic of nurseries ;



**Fine-nozzled watering-can** : Allows for regular, non-aggressive plant watering and prevents soil compacting ;



**Dibble** : Indispensable for transplanting ;



**Alignment cord** : Delimits the planting area and facilitation plants in a straight line ;



**The JTS seeds** : are the fruit of more than 15 years of GMO-free agronomic research. The packaging is waterproof and a germination verified by the JTS Semences laboratory and providing an optimum rate.

In Haiti, Pro-Natura has started a project to increase vegetable production with biochar-enriched Super Gardens integrated into agroforestry systems. This project is being implemented in partnership with the Papaye Peasant Movement, JTS Semences, and the French Embassy in Haiti. 🍅🍅🍅



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-  **Donation of a Super Garden plot feeding one person's needs : 30 €**
-  **Donation of a Super Garden in Haiti, including the installation, the training, the nutrition practical guide and follow-up of the family: 300 €**

**Identification of donor :**

Mr / Ms .....

Address .....

Phone .....

Email.....

**Donation Amount:** 

Number of Super Gardens offered:  X 300 €

Number of Super Garden plot offered:  X 30 €

**TOTAL DONATION :**



TAX PROVISIONS RELATED TO THE PATRONAGE:

**FOR INDIVIDUALS IN FRANCE**

Tax reduction of 66% of the donation, within 20% of taxable income, with the possibility of deferral of 5 years when the ceiling is reached.

**FOR BUSINESSES IN FRANCE**

Tax reduction of 60% of donations in the limit of 5% of the turnover, with the possibility of postponement of 5 years in case of deficit

- Name of account:	PRO-NATURA INTERNATIONAL
- Bank address:	Banque Neuflyze OBC 3, Avenue Hoche, 75008 PARIS
- Bank code:	30788
- Branch code:	00900
- Account n°:	22713ECV00A
- Key:	09
- SWIFT code:	NSMEFRPPXXX
- IBAN:	FR68 3078 8009 0022 713E CV00 A09

Siret : 39374484200039 / TVA intracommunautaire FR 63-393 744 842

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