

Keep us Posted!

We are passionate about truffles and would love to hear your experience with our trees. If you find truffles, notice anything unusual or discover a brulee (lack of vegetation, looking like a "burn" around your tree which may indicate truffle development) e-mail us to let us know how your fungus is developing. Micro nutrient status of soil samples can be assessed (500 g top soil is required for each sample to be analyzed); We will determine the nutritional quality and alkalinity of each soil sample. Nitrogen, Phosphate, potassium free calcium, magnesium and iron concentrations will be determined as well as the pH.

Contact Us

11 Lancelot Way, Fenstanton, Cambridgeshire, UK PE28 9LY

Phone: +44 (0) 1480 381696

Email: Totally.Truffles.UK@gmail.com

Web: <http://totallytruffles.co.uk>



Totally Truffles

11 Lancelot Way, Fenstanton, Cambridgeshire, UK
PE28 9LY

A Guide to Truffle Cultivation

Growth enhancers & analytical solutions



Totally Truffles

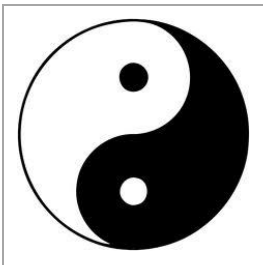
Truffle Cultivation

Soil Conditions



It is important to ensure that you grow your tree in phosphate limiting soil conditions. All truffles are found naturally in environments that contain soli with high levels of calciferous or iron rich soil, which tend to be of an alkaline pH (8-8.5). The soil must also be free draining. Totally Truffles offers reliable soil testing and advice.

Nurture Symbiosis



The truffle fungi liberate bound phosphates, normally inaccessible to the host tree; as a consequence of the soil conditions described above. In return the truffle receives valuable nutrients from the tree. Totally Truffles offer a foliar application that has been demonstrated to nurture this symbiosis.

Avoid Hazardous Environments



As the truffle tree harbors a fungus with very exacting environmental requirements, it is important to avoid areas of land previously used for intensive farming of arable crops. Leeching of fungicides and phosphate fertilizers from adjacent farm land can be a particular problem for truffle cultivation.

Finding Your Truffles



Traditionally truffles were located with the aid of a pig that tended to eat most of the prized fungus. These days' commercial truffle farms use trained dogs, as they are more efficient and successful truffle hunters.



'Yum Yum 😊

If you look carefully around your trees you may notice small cracks in the ground, underneath these cracks there may lurk truffles. You can look for the presence of the "truffle-fly". The most destructive, method of looking for truffles is to gently scrape away the top layer of soil around your trees. This has to be done very slowly and delicately to minimize damage and ensure you locate any truffles.

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Our Products & Services

Truffles Trees



Totally Truffles has a variety of tree species infused with truffle fungi. The tree germ lines are sourced from reputable UK suppliers and the truffle species used for inoculations are authenticated by powerful molecular diagnostic tools (see Analysis and Traceability below).

Growth Enhancers



Totally Truffles offer a foliar Nano- fertilizer that has been proven to enhance mycorrhizal associations and the general health of treated trees. We can also offer nitrogen / phosphate / potassium based soil applications formulated for truffle production as the phosphate is provided in a form more suitable for truffle production.

Analysis and Traceability



Totally Truffles has devised diagnostic methods that can differentiate between truffle species. Analysis of tuber fruits, tree roots, dried spores and mycelium can be performed upon request from 100mg of fresh tissue. Soli testing is also available.

Analytical Solutions

Totally truffles have devised methods of analysis to determine the suitability of truffle inoculation products and to verify if soil conditions are adequate for truffle cultivation.

'Field to Fork Traceability'

Truffle Analysis

PCR and sequencing analysis allows us to accurately type a given truffle species (see below for details). Our technology can be used to authenticate commercial truffles and products, infected tree roots and the mycelium load contained within soil samples, as orchards are established. We are currently developing field-able molecular tests to restore confidence in truffle production.

Soil Analysis

Micro nutrient status of soil samples can be assessed (500 g top soil is required for each sample to be analyzed); We will determine the nutritional quality and alkalinity of each soil sample. Nitrogen, Phosphate, potassium free calcium, magnesium and iron concentrations will be determined as well as the pH.

Caring for your tree

Planting

Once you receive your tree you should plant temporarily in a pot using loam based soil watering well until your static planting site is prepared. Please follow these guidelines for preparing the planting site in readiness for planting:

Chose an area of slopping land preferably rich in lime. Dig a hole at planting site approximately 0.5m³. To the excavated soil add 2kg of lime, 10g of magnesium sulfate (Epsom Salts) and 2kg of red sand or dry red clay pellets and mix well, then back-fill into the original hole.

Carefully remove your tree from its temporary pot, taking care not to damage the roots. Place the tree into the prepared hole now back filled, so that the level of soil on the root stock is at the same height as the surrounding earth.

'Initial preparation and choice of planting site are a key elements of success'

Maintenance

Your tree will need to be protected from herbivores in tubes and must be well watered during prolonged periods of drought. It is recommended that Totally Truffles foliar and soil bases fertilizers are used regularly throughout the growing season to improve the chances of successful production.