

Services for Vegetative Propagation of Horticultural Plants



Vegetative propagation means producing plants for example from scions, rhizomes and buds. A plant material produced via vegetative propagation preserves the same variety and base as its parent. Vegetatively propagated plants include several berry and fruit plants such as strawberry and raspberry, perennial landscaping plants, herbs such as hop, and potato. Luke offers various services in optimizing the vegetative propagation of plants.

Customer benefits

Purchasing vegetative propagation services from Luke enables the customer to maximize the plant health and variety authenticity. Micropropagation allows large scale propagation also from challenging plant materials. Micropropagation techniques and the linked therapy methods make it possible to produce pest and disease free plants. Also a plant that has already passed its reproductive age, can be renewed.



Services

Luke designs the services together with its customer based on customer's particular needs. For example:

- Establishing a tissue culture from the customer's plant material
- Producing new plants from the customer's material
- Planning and organizing of pest and disease testing
- Producing healthy plant material with thermotherapy and micropropagation
- Maintenance services as:
 - plants in greenhouse
 - tissue cultures in laboratory
 - cryopreserved buds in liquid nitrogen
- Expert services on micropropagation and production of healthy plant material, for example expert evaluations, courses and lectures
- Additionally, research and expert services are available for morphological, genetic and chemical features of plant population

Why Luke?

Luke has a long and diverse experience on micropropagation and research of horticultural plants. The experience has been gathered via hundreds of plant propagation projects for various purposes. Luke maintains Finland's national plant genetic resources and produces the highest quality classes of horticultural plant propagation material, meaning healthy mother plants of the certified plant production scheme. Luke's research infrastructure and know-how of the personnel are constantly advancing.

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