



# Gentech Propagation Ltd



*in vitro* culture of Potato Microplants

Virus Tested Stem Cuttings are sourced from SASA and transferred to Gentech's proprietary growing medium.

They are grown in an optimised controlled environment to ensure uniformity and health.

Each plant has its own unique ID number for future traceability.



# Gentech Propagation Ltd

The potato plants are multiplied through inter-nodal stem cuttings, without the use of hormones in sterile, tested growing medium.

The plants are kept clonally separate throughout production.





# Gentech Propagation Ltd



They are planted in boxes which are numbered and can be traced back to the original single plant in the maintenance collection sourced from SASA.

Potato Microplants are transferred to Peat based Compost which has been tested to be free of *Pectobacterium* spp. The Compost is Steam Sterilised prior to use.





# Gentech Propagation Ltd



The plants are inspected twice during the growing season by inspectors from the Scottish Government to ensure trueness to type.



All water used is filtered to 0.45microns and UV irradiated, the air is also filtered to exclude pathogens from the facility.



# Gentech Propagation Ltd

The tubers are harvested by hand and the skin is allowed to set for 2 weeks prior to being cold stored at 2 Deg C.



Tubers are graded into 7 sizes, <15mm, 15-20mm, 20-30mm, 30-40mm, 40-50mm, 50-60mm and >60mm.

They are again inspected before being dispatched to the customer.





# GenTech Propagation Ltd

- GenTech Propagation Ltd is a purpose built micropropagation and minituber production unit.
- It produces high quality microplants of a diverse range of genera and specialises in Potato Minitubers, Potato Microplants, Soft Fruit plants and many Ornamentals.
- GenTech's laboratory and Growth Room facilities ensure that microplants are subcultured under aseptic conditions.
- Our advanced system of subculture was developed to cater for high volume output whilst maintaining a strict level of Quality Control.