
Perfect Plants Groep

30 years experience:

- ❖ Breeding and selection
- ❖ Tissue culture R&D and production
- ❖ Production young plants
- ❖ Marketing and trade

→ Ornamental horticulture



Production of young plants

❖ State of the art technology

❖ Assortment:

Agapanthus

Aster

Astilbe

Calathea

Cordyline

Ctenanthe

Curcuma

Delphinium

Dicentra

Dionea

Heliconia

Helleborus

Hemerocallis

Lily

Lupine

Musa indoor

Musa outdoor

Nepenthes

Ornithogalum

Peperomia

Pinguicula

Potato

Primula

Rabarber

Sarracenia

Solidago

Spathiphyllum

Streptocarpus

Syngonium

Tomato

Zantheseschia



Potato

Vitrocom & Pothos together started producing **potato mini tubers** in 1995.

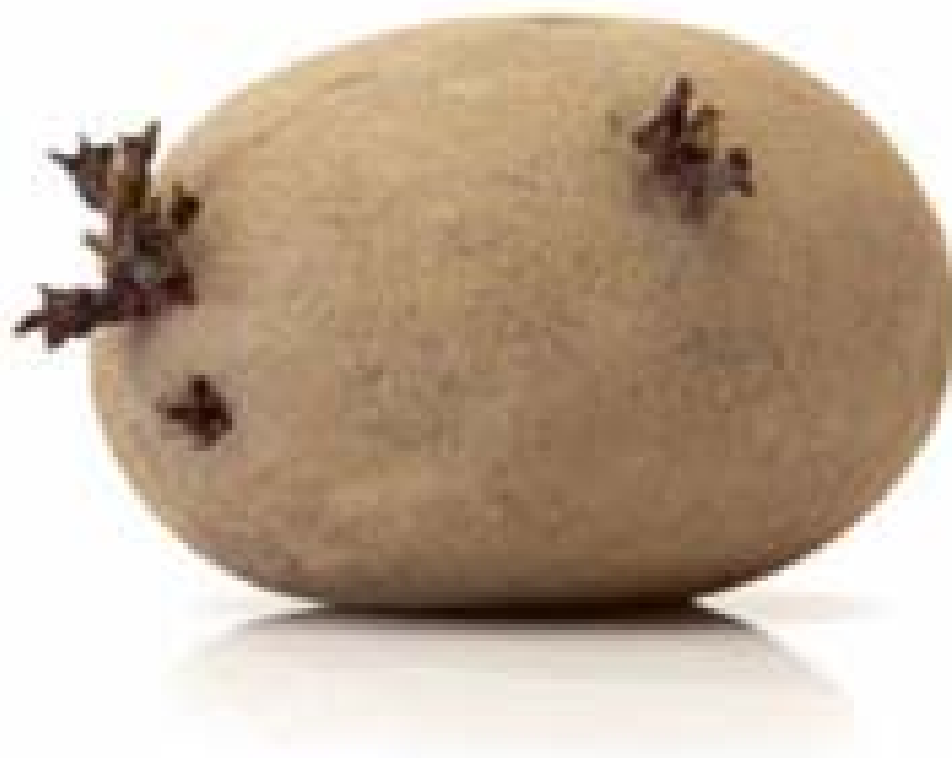
Vitrocom specialized in **tissue culture production, initiation & research**,
Pothos specialized in **growing, logistics** & sales.

Within our **15 years of experience**, efficiency, quality and craftsmanship has been increased to perfection.

Now we are:

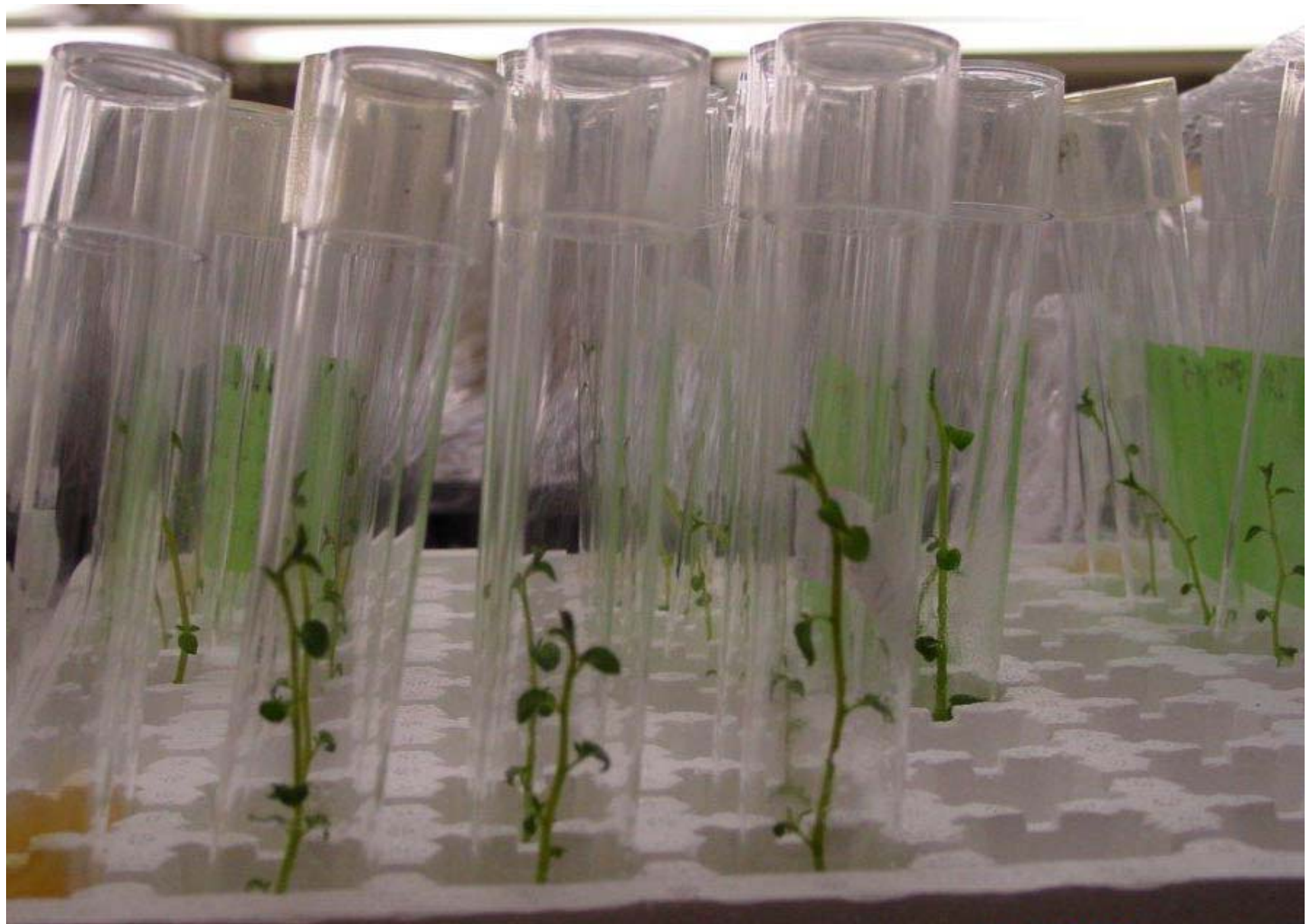
- Completely **certified** (NAKtuinbouw Elite®)
- One of the leading producers in Holland of minitubers
- Producing for all leading potato breeders and trade houses
- **Experienced with all aspects of large scale mini tuber production**
- Still expanding

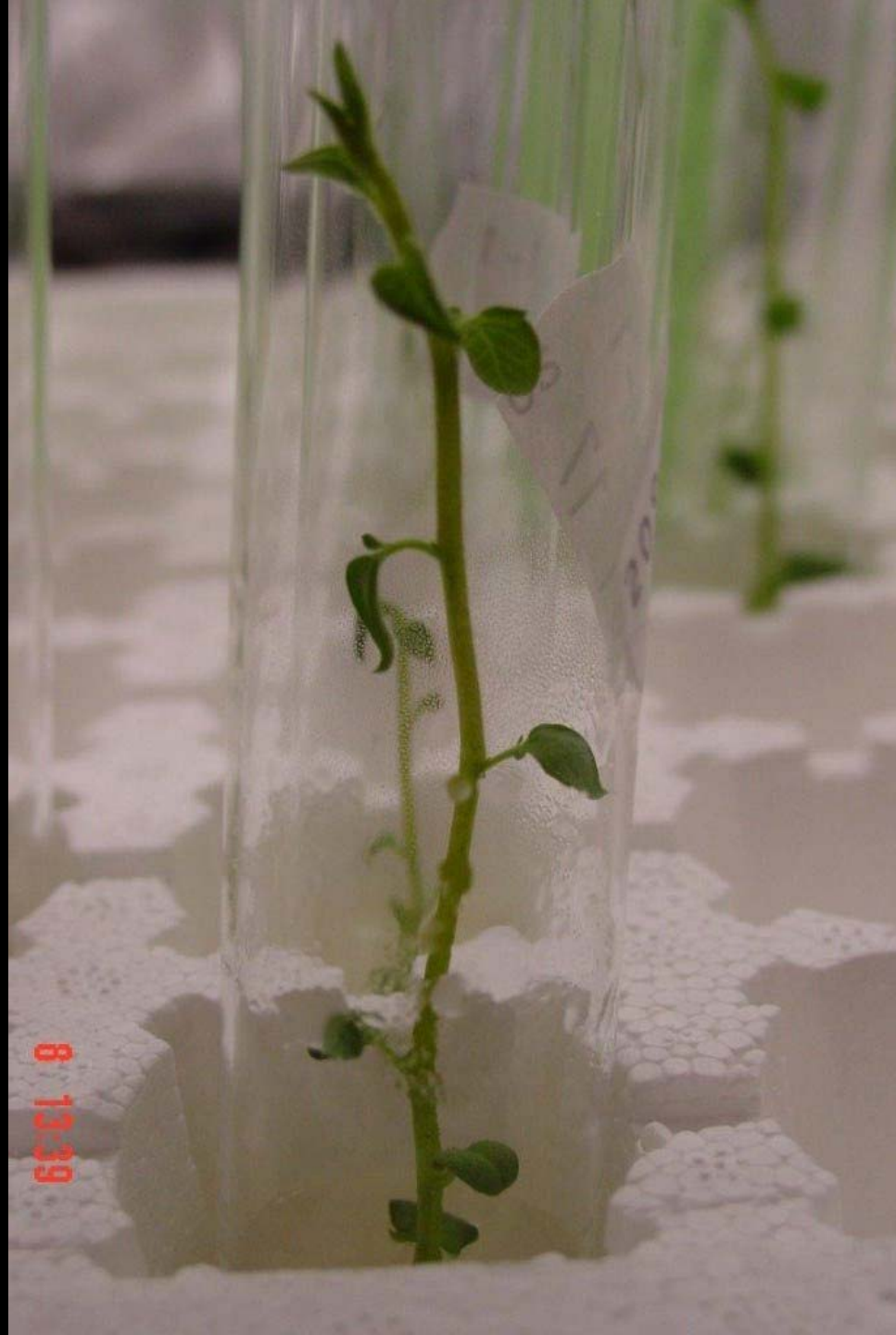
From Lab to minituber











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NAK - NETHERLANDS
PERS. ID CARD
NAME: MADELINE
ID: 49995
DATE OF BIRTH: 01-01-2004
RESIDENCE: NETHERLANDS
2004
MAKING IT'S VERDIE NEDERLAND
E-12 PERS. ID CARD
410.831.437

Minituber production at Pothos / Vitrocom

1

Initiation

Mother tuber

Mother plant

2

In vitro

Stock

Tissue culture plants

3

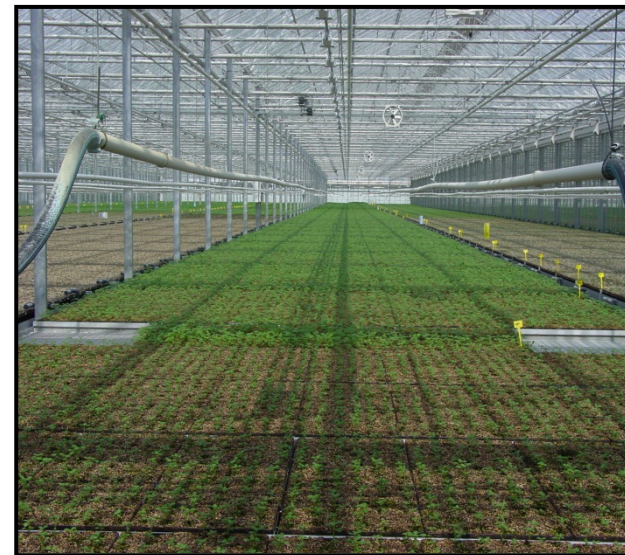
In vivo

Mini tubers

Field

1th year clone/
other classes

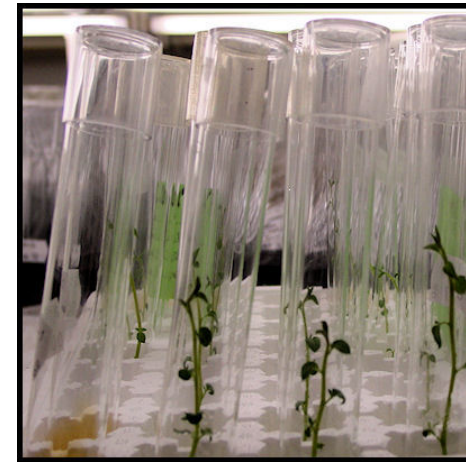
Qualitituber®



Minituber production at Pothos / Vitrocom

1 Initiation

Select & clone seed potato to tissue-culture stocks



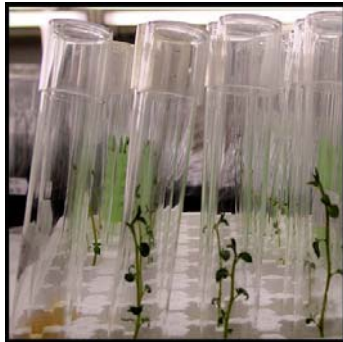
100% screening on viruses & diseases
to achieve virusfree stocks

Stay in control of constant quality

Minituber production at Pothos / Vitrocom

2 In vitro multiplication

Producing tissue-culture plants



20% random screening on viruses
Screening for diseases
Average multiplication factor 4-5 within
6 weeks (dutch standard)

Stay in control of quantity

Minituber production at Pothos / Vitrocom

3 In vivo multiplication

Producing the potato minituber



0,5% at random screening on virusses
& diseases

Average multiplication factor 3 within
22 weeks (dutch standard)

Stay in control of quantity and constant quality

Minituber production at Pothos / Vitrocom

1

Initiation

Mother tuber

Mother plant

2

In vitro

Stock

Tissue culture plants

3

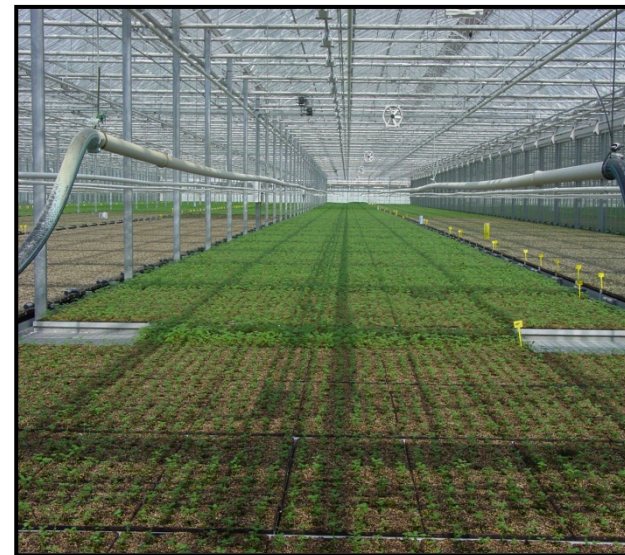
In vivo

Mini tubers

Field

1th year clone/
other classes

Qualitubero®



Pothos / Vitrocom are service provider
for breeders and farmers in NL

What else can we do.....?

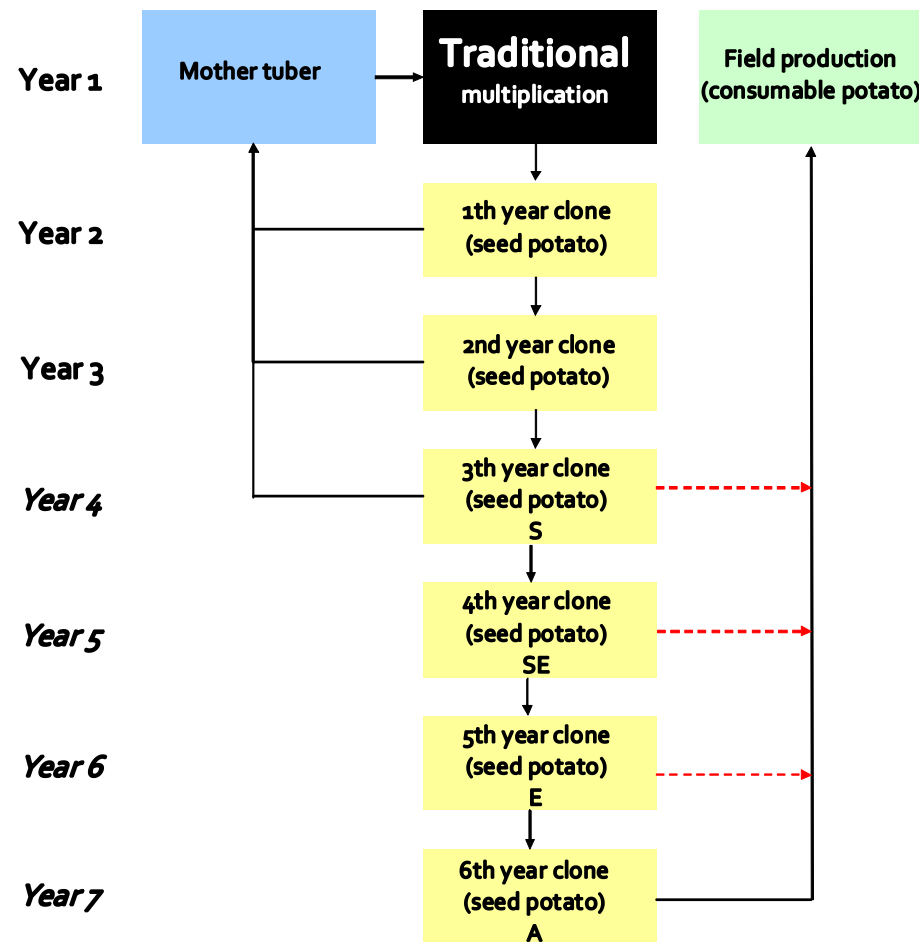
There is a demand for top quality seed potato
all over the world.

The existing seed potato industry cannot meet
this demand

Our answer: **QUALITUBER** ●



The traditional system of potato seed production

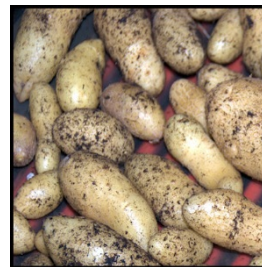
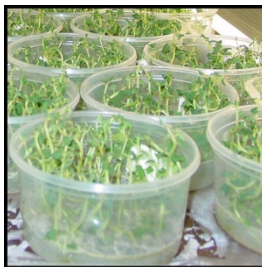
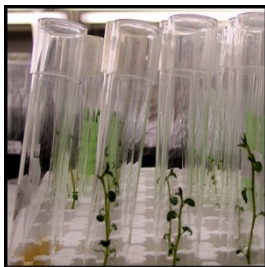


The traditional system of potato seed production



Qualituber®

The new standard in seed potatoes



The system



Qualituber[®] Gold label

minitubers
100% disease free
the start for field seed production



Qualituber[®] Blue label

1st year field generation yield
relative expensive because of investment in
minitubers



Qualituber[®] Green label

2nd year field generation yield
possible to propagate for 1 more year



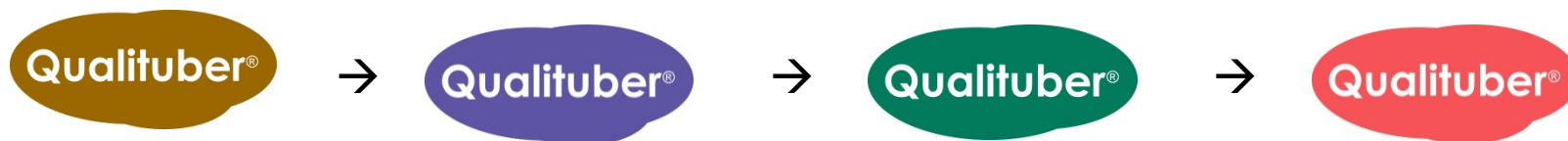
Qualituber[®] Red label

3rd year field generation yield
to be used for production only

What can we offer ?

Options

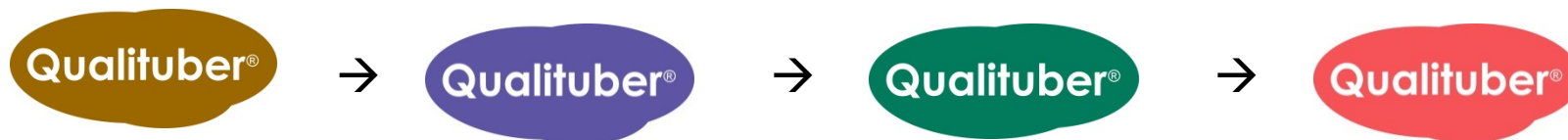
- 1. Produce own minitubers and seed potato**
- 2. Purchase minitubers (Goldlabel)**
- 3. Purchase 2nd year seed (Greenlabel)**



Cost price calculation

Qualituber Green and Red label

1. Invest in minitubers
2. Let your own seeds grow at a selected farmer at sea coast of Holland:
 - 1st year cost price, Qualituber Blue: € 0,60/kg
 - 2nd year cost price, Qualituber Green: € 0,60/kg
3. Grow your own seeds in Russia:
 - 1st year, your cost price: € 0,42/kg
 - 2nd year: € 0,28/kg
 - 3rd year: € 0,26/kg



Production own minitubers and seed

What we can offer:

- Laboratory and greenhouse design specifications
- Specifications for machinery
- Production protocols
- Supply of certified consumables/ raw materials
- Certification standards
- Proces audit
- Planning & registration tools

Optional (if needed):

- Staff training
- Managementsupport (work out businessmodel, budgets)
- Technical consultancy
- Support with investment decisions

Qualituber®

Thank you for your attention

