

Dry Hydroponics®

Cultivation method for short cycle crops



The Netherlands, 2014

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- Duration presentation 20 minutes



Introduction



- Chris Noordam
 - Greenhouse lettuce grower since 1989 (TopKrop)
 - Development department since 2002
 - Wanted the best cultivation system



- Maurice van der Knaap
 - Industrial designer since 1996
 - Affinity with horticulture



To wish cultivation system



- Demand-led producing
- Justified financially
- **Quality equal to or better than in soil**
- Minimisation of labour
- Sustainable



Year round easy growing and superior quality

Investigation (in the past)



- Aeroponic
- Hydroponic
 - NFT
 - DWC
 - Several growing mediums
(and sizes)
- Pots



Conclusion: Pond with floats, inclusive solution for root problems in existing pond systems

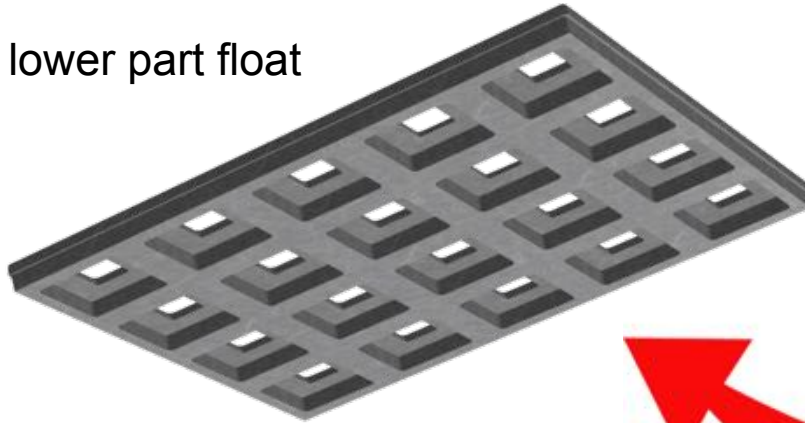
Dry Hydroponics[®] principles (1/4)



Dry Hydroponics® principles (2/4)



lower part float



upper part float

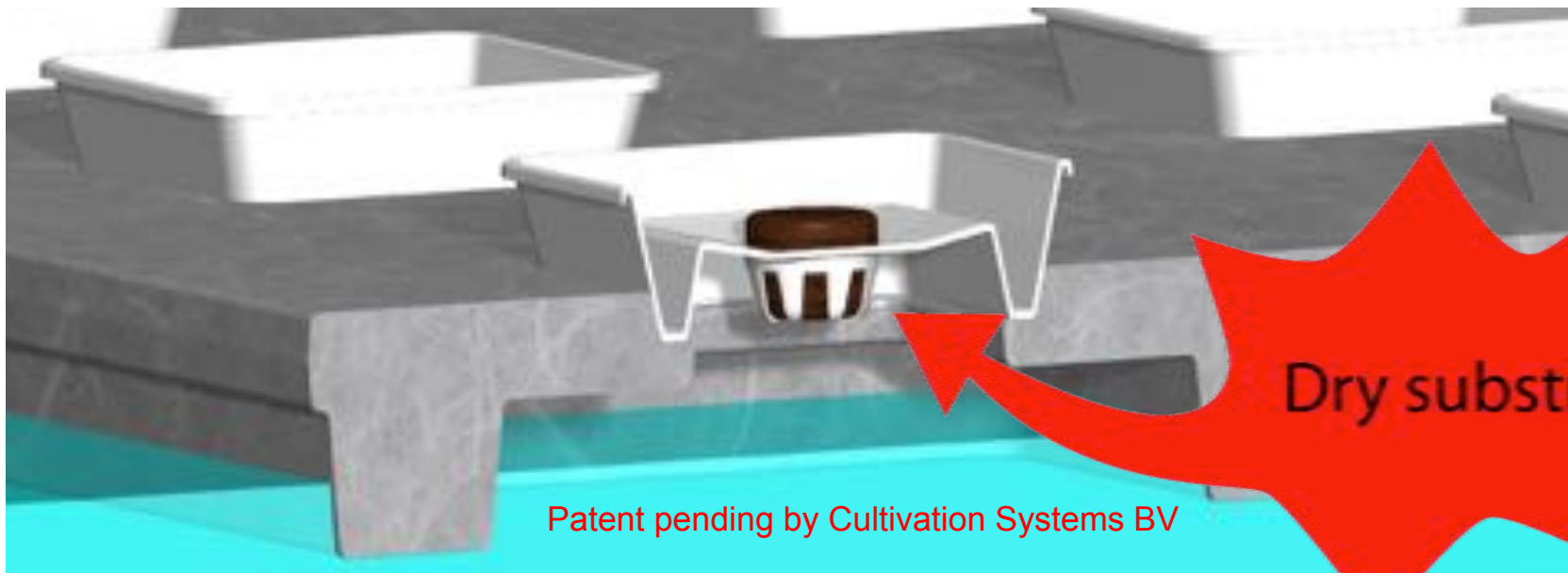


Patent pending by Cultivation Systems BV

Dry Hydroponics® principles (3/4)



float and holder together



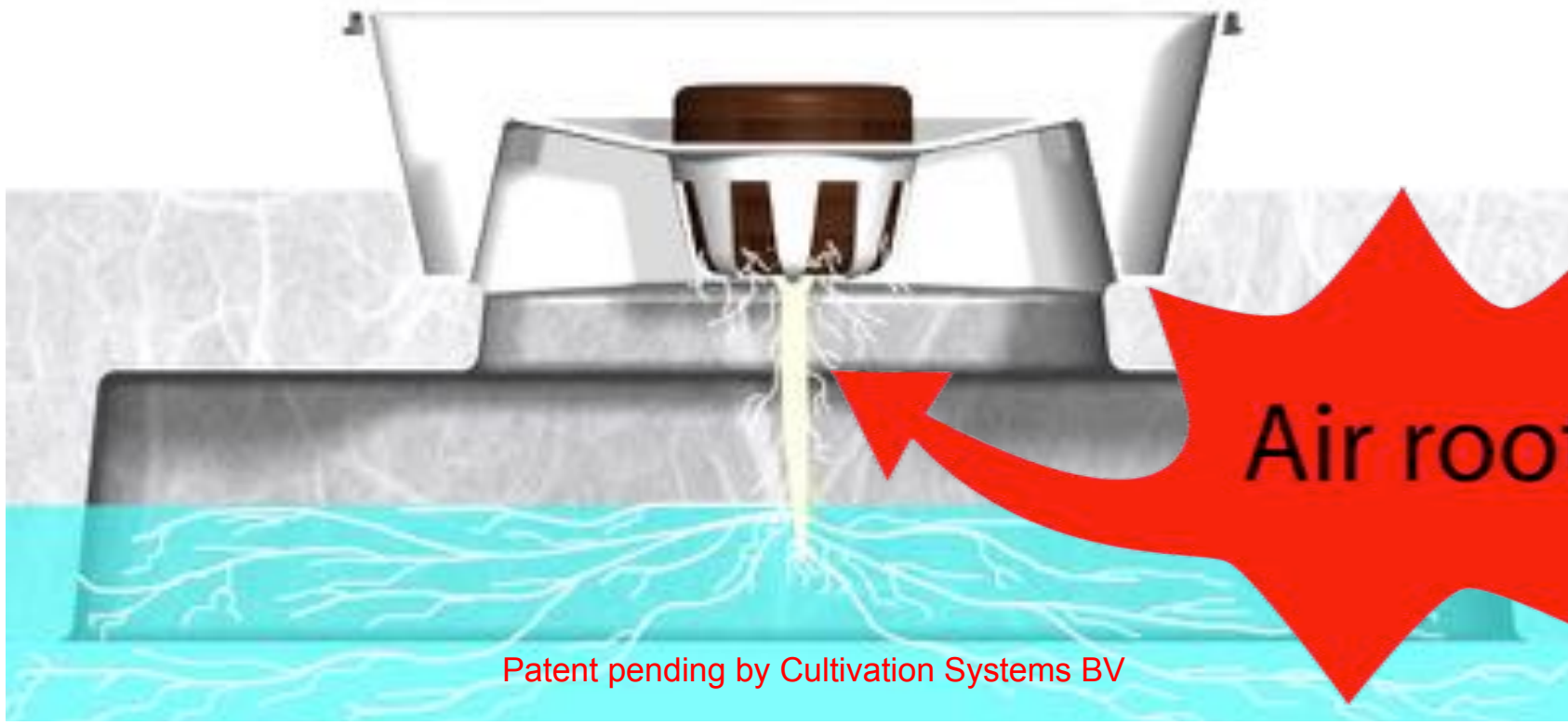
Dry substrate

Patent pending by Cultivation Systems BV

Dry Hydroponics® principles (4/4)



float and holder together with roots



Air roots

Patent pending by Cultivation Systems BV

Dry Hydroponics® results



- Super quality
 - More dry matter *
 - Hardly no root problems *
 - Less tip burn *

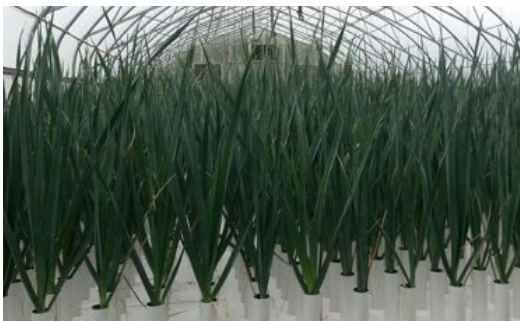


* as opposed to soil and other hydroponic systems

Current investigation



- Integrated young plant production
- Planning software
- Automatically spacing
- New floats for: Leek and baby products



Conclusion



- **Super quality (year round)**
- Easy growing (year round)
- Easy labour
- Sustainable
- Low maintenance
- All for a fair price





Thank you for your attention

www.dryhydroponics.nl