Dry Hydroponics®
Cultivation method for short cycle crops

The Netherlands, April 2013
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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
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

50% breathing surface

upper part float

Patent pending by Cultivation Systems BV
Dry Hydroponics® principles (3/4)

Float and holder together

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