DEMO HYDROPONIC WITH RAINWATER COLLECTION

COOPERATION BETWEEN:

1. BOTMAN HYDROPONICS - SYSTEMS
2. TOTAL SYSTEMS - AUTOMATION
3. KARO– AGRI TECHNIC AND SUPPLIES
4. PROEFTUIN ZWAAGDIJK
HYDROPONIC SYSTEM - CONCEPT

Botman Hydroponics

TOTAL Systems
Engineering, development, logistics and service

KaRo Tuinbouwtechniek & -benodigdheden
HARD PLASTIC FLOAT
CULTURE IN 3 PHASES

1. PROPAGATION - SUBSTRATE PLUG

2. MAT – EXTENDED PROPAGATION

3. FLOAT – FINAL DISTANCE
ROOTED SUBSTRATEPLUG
PLUG – HOLDER - CONE
MAT – EXTENDED PROPAGATION
RoBotman van MAT naar DRIJVER
ADVANTAGES OF THE MAT

1. WIND AND REWIND
2. SUBSTRATE IN CONTACT WITH WATER SUPPLY, THEREFORE RAPID ROOTING
3. NO IRRIGATION NEEDED
4. DENSITY OF 100/m2
5. FULLY AUTOMATION
FLOAT – FINAL DISTANCE
ADVANTAGES OF THE FLOAT

- UV RESISTANT HARD PLASTIC
- NO CONDENSATION
- HYGIENIC
- FAST CROP ROTATION
- MINIMUM LOSS
- AUTOMATION CONCEPT
- RAINWATER STORAGE
RAINWATER COLLECTION AND SEPARATE DRAINING
RAINWATER COLLECTION

- CONNECTED FLOATS
- TUBE, FIRST LOAD ENDED
- SIPHON AT LAST FLOAT
- UNDERPRESSURE EMPTY THE TUBE
- DRAIN TO WATERSTORAGE
SIPHON TO WATER STORAGE
BASIN BUILD OUT OF SANDWICH PANELS
ALSO:

• COMPLETE PROJECT ENGINEERING
  WATERMANAGEMENT

WANT TO KNOW MORE?

HAVE A CHAT WITH ARJAN ROOD
MOVIE

ROBOT, GRIPPING PLANTHOLDER

AND REPLACE TO OTHER POSITION
PROJECT ENGINEERING
TRANSPLANTING
GRIPPING PLANTHOLDERS AND MOVE TO...
HARVESTING AND PROCESSING

WANT TO KNOW MORE?
HAVE A CHAT WITH   TON ZUIDEMA
FLORICULTURE, LISIANTHUS ON DEMO
HAIL PROTECTION

- IS A KIND OF INSURANCE
- ALSO PROTECION AGAINST:
  - BIRDS
  - SMALL WILD
  - BUTTERFLIES
  - WIND BREAKER
FLOAT IN GREENHOUSE

- NO RAINWATER COLLECTION NEEDED
- CROP CONTROL BY HEATING, COOLING POND WATER (THERMAL TRANSFER)
- FLOATS HAVE NO INSULATION
- LOW USE OF ENERGY
- ADJUSTABLE FOR FLORICULTURE: LISIANTHUS – CHRYSANTHEMUM ETC...
SAMENVATTING

- VOLDOEN AAN REGELGEVING “KADERRICHTLIJN WATER”.
- MINDER MESTSTOFFEN EN BESTRIJDINGSMIDDELEN
- HOGE KWALITEIT
- LAGE UITVAL
- HEMELWATER OPSLAG
- TRAY > VERLENDE OPKWEEK > DRIJVERBAK
- SNELLE ROTATIES
- DUURZAAM TEELTPROCES
- AUTOMATISERING
THANKS FOR YOUR ATTENTION

SEE YOU AT THE DEMO