

Arid Climate Greenhouse Summer School

A 2-week, practice-first program in Bleiswijk for greenhouse professionals working in hot and dry regions

Quick facts

- **Location:** Bleiswijk, The Netherlands
- **Venue:** Delphy Improvement Centre
- **Duration:** 2 weeks (10 training days)
- **Focus:** Arid and semi-arid greenhouse production (MEA focus)
- **Audience:** Horticulture Professionals, students, investors and industry-curious participants.
- **Language:** English and Arabic
- **Program dates:** July 6 to July 20, 2026

Why this program

- Build practical capability to run a greenhouse operation successfully in arid climates, backed by modern horticultural science.
- Leave with operating frameworks, checklists, and templates for climate strategy, irrigation and fertigation, crop steering, IPM, and performance reporting.
- Learn through a structured methodology: Theory (classroom) → Exercises → Practice (hands-on) → Industry visits and guest sessions.

What makes it unique

- Global track record: Delphy works with 9,500+ clients in 55+ countries, mainly commercial growers and farms, grounding the program in repeatable best practices.
- Consultant-led and practice-first delivery, built on real farm problem-solving and operational decision-making.
- Arid-climate focus: water quality and salinity risk, cooling and humidity strategy, and execution discipline.

What you will be able to do after the program

- Build a daily climate strategy using radiation, temperature, humidity/VPD, CO₂ and crop stage.
- Design an irrigation strategy (pulse timing, targets, drain, substrate dynamics) and verify execution from data.
- Set up a fertigation monitoring plan (water quality, solution management, sampling cadence, corrective actions).

- Design a practical IPM program (scouting routines, thresholds, biological strategy, compatibility with interventions).
- Run an operational performance meeting using dashboards, a structured agenda, and a corrective-action loop.

Schedule Summary

Day	Topic	Focus
Day 1	Orientation and operating model	Constraints and success factors in arid climates; baseline KPI diagnostic.
Day 2	Climate steering, light and energy	24-hour strategy for hot conditions; interpret climate and radiation graphs.
Day 3	Greenhouse construction	Design choices checklist: structure, coverings, shading, ventilation and cooling approaches.
Day 4	Rootzone and irrigation strategy	Build and verify irrigation strategy under high ET and salinity risk.
Day 5	Plant nutrition	Water quality interpretation; nutrient solution monitoring and corrective actions.
Day 6	Vine crops and soft fruits	Crop steering routines; yield/quality drivers; troubleshooting cases.
Day 7	Cut flowers and landscape plants	Quality drivers, uniformity, scheduling; steering logic for ornamentals.
Day 8	IPM in horticulture	Scouting systems and IPM program design; outbreak response playbook.
Day 9	Financial planning and project economics	Unit economics, budgeting, scenarios, and sensitivity analysis.
Day 10	Operational excellence and performance management	Roles, SOPs, KPI rhythm; build dashboard + weekly meeting agenda.

Participant deliverables

- Participant workbook (slides plus exercises).
- Templates: daily climate plan; irrigation strategy sheet; fertigation monitoring plan; IPM scouting and release plan; weekly KPI dashboard and meeting agenda; incident log and corrective-action template.
- Certificate of completion from Delphy.

Apply Now! Contact: a.elryes@delphy.nl