

## HTA Grower Technical Workshop Programme for 2023

### ***Managing environmental conditions in protected structures***

**Springfields Events and Conference Centre, Camel Gate, Spalding PE12 6ET**

**and Bridge Farm Nursery, Clay Lake Bank, Spalding PE12 6RN**

**5 December 2023**

*An understanding of the climate within protected structures, and the micro-climate around crops, is key to the effective management of crop quality, growth, and disease development. Such an understanding is a pre-requisite of getting the most from any climate control system in place.*

*This workshop covers the key environmental parameters and their impact on crop production, the types of heating systems and their influence on energy costs, novel approaches for securing sustainable energy sources, climate management and crop monitoring techniques in protected structures, and the use of materials, such as spectral filter plastics, to manipulate the environment.*



#### **Workshop agenda**

Time	Content	Speaker
<b>Springfields Events and Conference Centre</b>		
09:00	<i>Coffee, tea, and refreshments</i>	
<b>Presentations</b>		
09:30 – 10:10	<b>Optimising crop conditions with Vermako's ventilation solutions, and comparisons with glasshouse structures</b>	Carl Maes/David Summerfield, <b>Bridge Greenhouses and Vermako BVB</b>
10:10 – 10:50	<b>Design and structural features of Keder Greenhouses</b>	Electra Hatchet, <b>Keder Greenhouse Ltd</b>
10:50 – 11:00	<i>Coffee, tea, and refreshments</i>	
11:00 – 11:40	<b>Digital agronomy driven opportunities in crop pest and disease management</b>	Jack Haslam, <b>Fargro Ltd</b>
11:40 – 12:20	<b>Managing energy efficiency in glasshouses: the challenges and opportunities in heating and renewables</b>	Eirinn Rusbridge, <b>NFU Energy</b>
12:20 – 13:00	<b>The importance of air movement in protected environments – practical considerations</b>	Selchuk Kurtev, <b>Zest Sustainable ICM</b>
13:00 – 13:45	<i>Lunch buffet</i>	

Nursery tour (Clay Lake site) and discussion		
14:00 – 14:15	Introduction to the Bridge Farm Group	Richard Priestley, Bridge Farm Group
14:15 – 15:30	Nursery tour of Clay Lake facilities. Split into two groups	Richard Priestley/Selchuk Kurtev
15:00	Wrap up and depart	

Number of attendees per business will be limited to two.

BASIS and NRoSO continued professional development points will be available on the day of the workshop.

Addresses and directions:

Springfields Events and Conference Centre Camel Gate, Spalding PE12 6ET (a.m.) (highlighted in yellow on the map)	Bridge Farm Nursery, Clay Lake Bank, Spalding PE12 6RN (p.m.) (highlighted in yellow on the map)
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