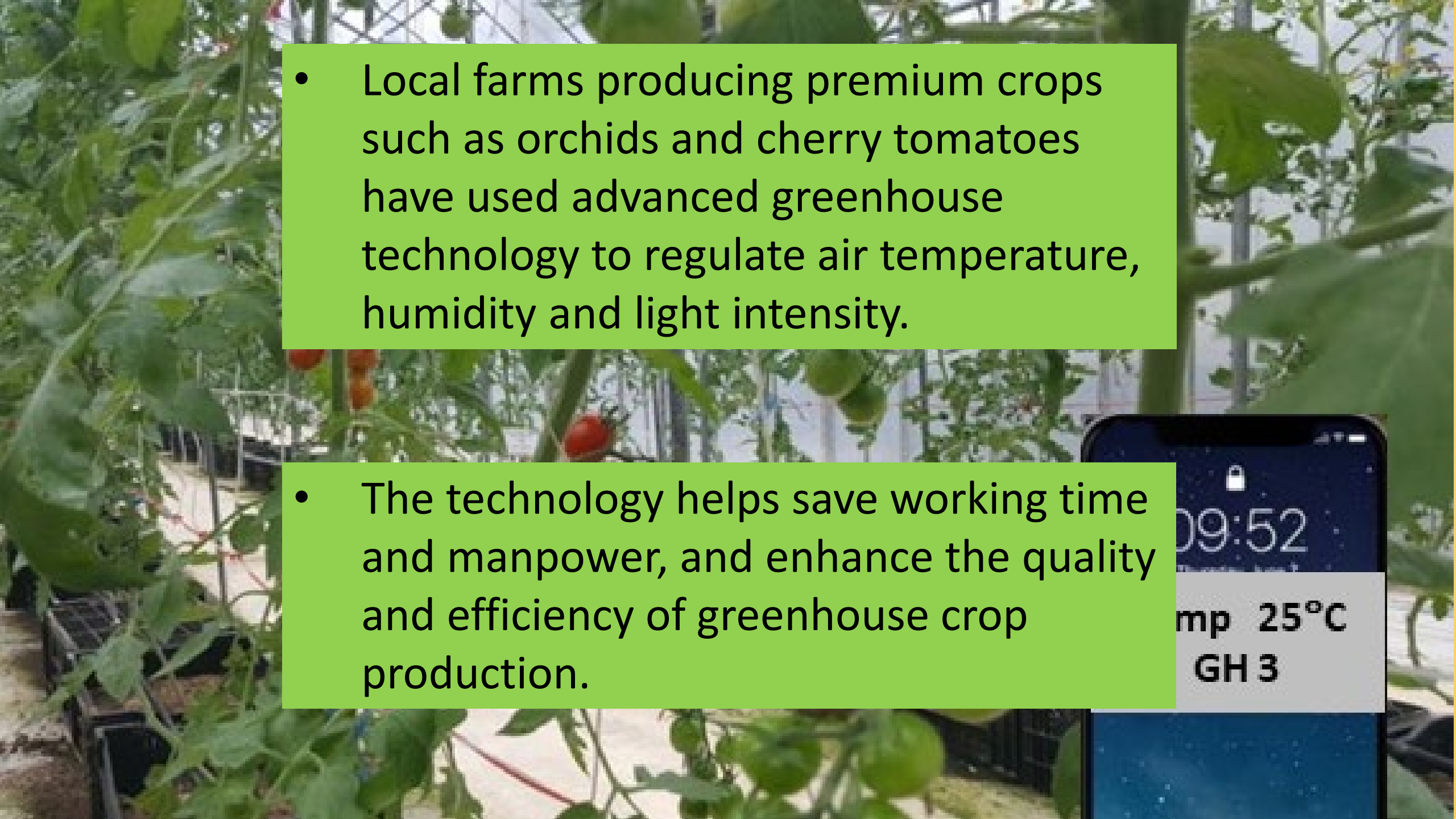


# Smart Greenhouse Technology Used in Local Crop Production



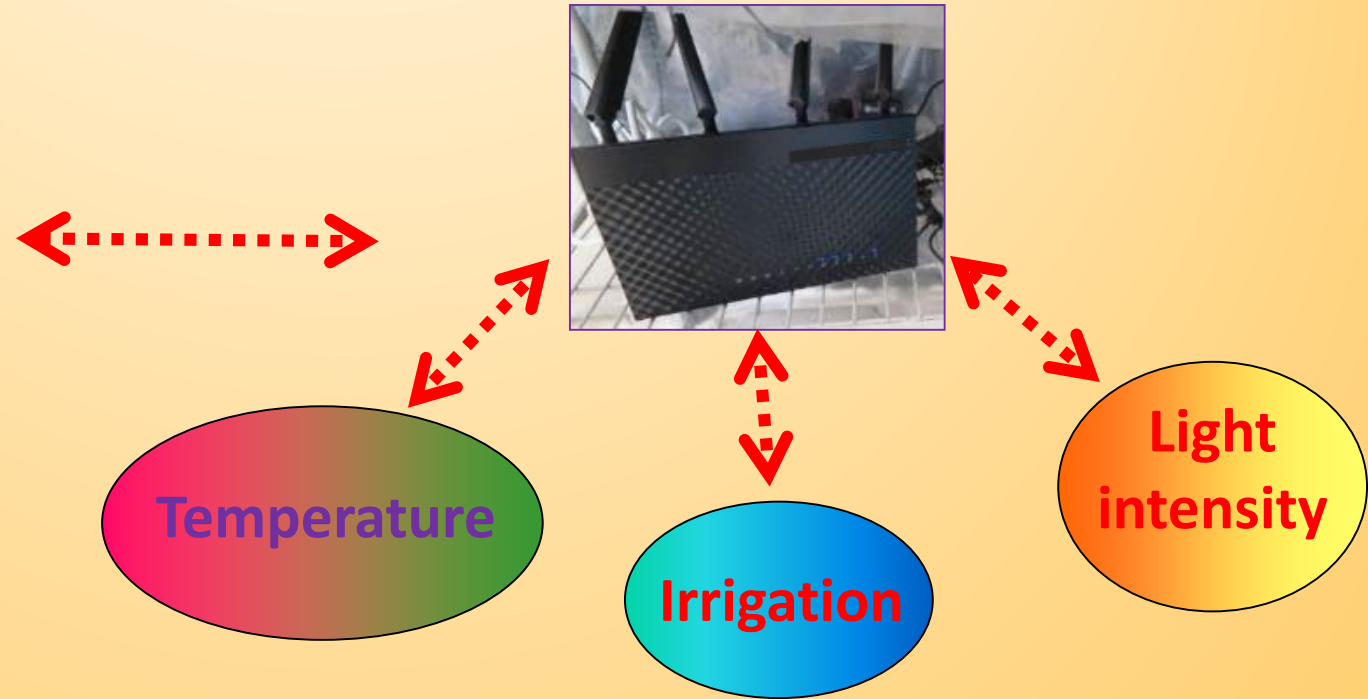
- 
- A photograph of a greenhouse interior. In the foreground, there are green tomato plants with some red tomatoes visible. In the background, more plants are growing on trellises. A smartphone is visible in the bottom right corner, displaying a lock screen with the time 09:52 and temperature 25°C.
- Local farms producing premium crops such as orchids and cherry tomatoes have used advanced greenhouse technology to regulate air temperature, humidity and light intensity.

- The technology helps save working time and manpower, and enhance the quality and efficiency of greenhouse crop production.

# Smart control of cultivation environment



Using smart phone  
and router



To receive information from  
sensors in the greenhouse,  
adjust the temperature,  
light intensity and irrigation  
by remote control

# Smart control of temperature and light intensity

Light and temperature sensors



Effect changes in  
temperature and  
light intensity  
inside greenhouse

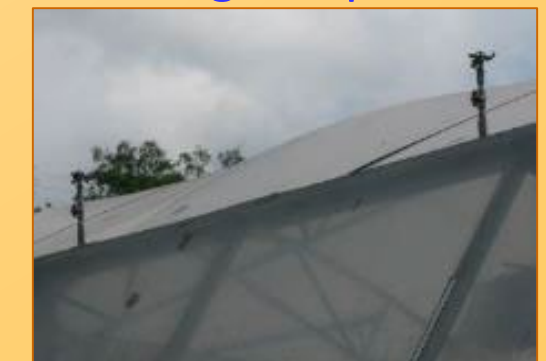
Ventilating fans



Electrical shading net



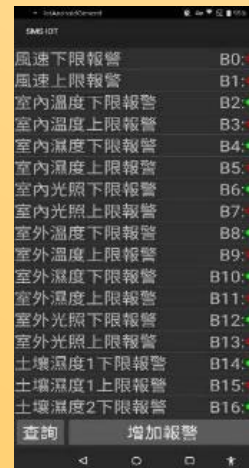
Roof top sprinklers for  
lowering temperature



Computer



Temperature and  
light intensity data  
on smart phone



Wifi-switch



On / off





# Smart irrigation

Remote control / schedule-  
setting of irrigation based on  
soil moisture



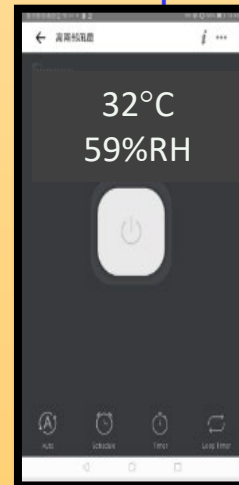
Soil moisture sensors



Computer



Data of humidity  
and temperature  
on smart phone



On / off

Electrical water valve



Water valve controller



**Thank you**

