

# Case study 710

## Pumpkin farm requires ventilation equipment

Crop yields are often kept in poorly-ventilated storage facilities following harvest and this can result in wastage if conditions aren't closely monitored. The run-up to Halloween generally leads to a dramatic increase in the number of pumpkins grown across UK farms, and these must remain saleable until the end of October. Like every other living organism, pumpkins continue to respire after being picked which causes air to go stale when circulation is poor. This air therefore needs to be constantly dispersed and replaced with fresh air to prevent the formation of harmful moulds.



Andrews Ventilation have worked alongside one of the country's most prominent producers of pumpkins to ensure these perishable cultivars are stored appropriately. The client – based in Cambridgeshire – is responsible for cultivating approximately six million pumpkins during periods of peak demand, and these must be protected prior to distribution. On this occasion they sought a ventilation hire package that could operate continuously within a number of storage areas.



One of our A regional HVAC specialist visited the farm to calculate the required air flow capacity which preceded the installation of eighteen ASF950 fans in various outbuildings. All equipment was delivered and functional within hours of the assessment, safeguarding a precious food product against potentially damaging climatic factors.



Our quick service and expertise was directly responsible for reducing the risk of mould growth and insect breeding – both of which thrive in a warm, humid environment. By deploying a large number of ventilation fans, we were able to avert any infestation which would undoubtedly have caused the price of pumpkins to rise if supply had fallen below output targets.

Air flow (max) 37,000m<sup>3</sup>/h  
Power supply 230 or 110 V versions  
Plug type BS1363 230 V  
BS4343 32A 110 V  
Noise level (max) 85 dBA @ 1m  
Weight 85kg  
Dimensions (mm) 1,050 x 440 x 1,170  
Control Manual variable speed  
Average power consumption 2.3 kW/h



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