



## Mechanization of garlic growing

### GARLIC DRYING SYSTEMS



**UTAC**

CERTIFICATION SYSTEMES QUALITE  
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## BOX DRYING TOWERS

The garlic is dried in wooden boxes.

The boxes are stacked on top of each other, up to 4 boxes high. *(Depending on roof height)*

The towers of boxes are placed in front of the ventilation towers. Depending of the power of the ventilator, it is possible to line up to 10 towers of boxes.



*1m3 drying box.*



*Example of 5 ventilation towers for 4 boxes high.*

The drying systems have various options, they can be equipped with air warming systems, temperature and hygrometry control systems, and reversible blowing ventilators.



*Example of automatic control system box.*

9 garlic box towers

Ventilation towers



Example of a line of 9 garlic boxes in front of a series of ventilation towers.

Warm air blowers

Ambient air ventilator



View from the back of the ventilation towers. Warm air blowers and main ambient air ventilators.



16 ventilation towers for garlic box drying.

## BULK and CORRIDOR DRYING SYSTEMS

The garlic is laid on grid flooring.  
The garlic is stored on an average depth of around 1m.

Air is blown under the grids and then it works it's way up through the garlic to dry it.



*Example of garlic in corridors.*

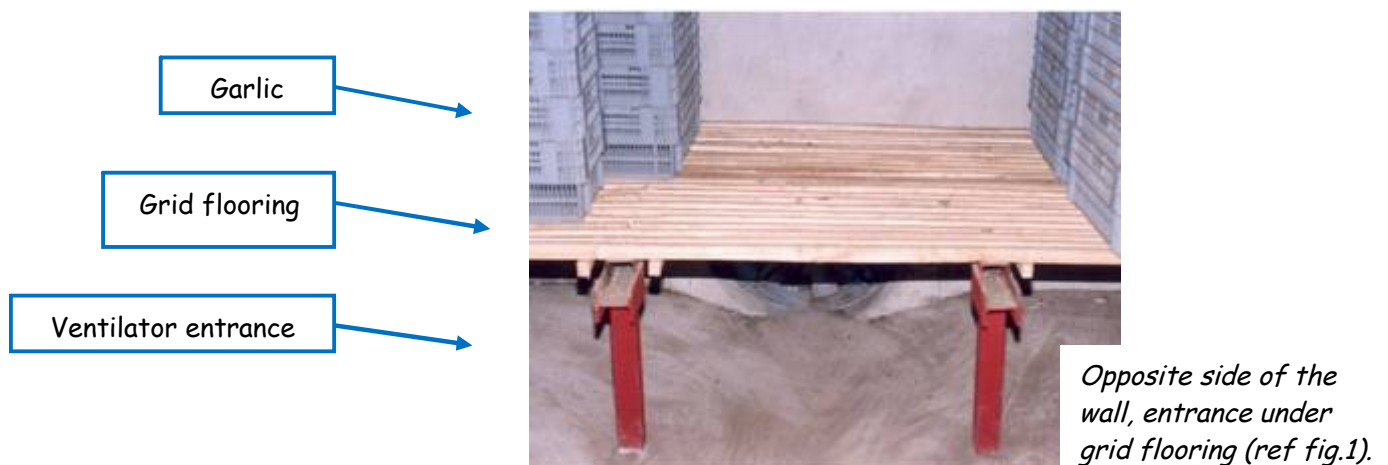
The blow ventilators are helical type with aluminium blades, they are calibrated depending on the amount of garlic per corridor.



*Example of ventilator.*



*Example in situation on wall (fig.1).*



Examples of Ventilators in situation with controlled warm air generators:



*Ventilator with a warm air generator*



*Two ventilators with one warm air generator*



*Four ventilators with one warm air generator*



*Two separate corridors, with control switchboard boxes.*

Examples of control switchboard boxes:



*Switchboard box for three ventilators.*



*Hygrometry control box.*



*Manual order box for two ventilators.*

Examples of corridor partition walls:



*Partition wooden walls for making drying corridors:*



*Wooden corridors:*

