

Andalusian greenhouses exported to arid areas where vegetables are hard to cultivate

LOCATION: La Mojonera (Almería)

DURATION: 1'21"

SUMMARY: A group of researchers from the IFAPA, The Andalusian Institute of Agricultural and Fisheries Research and Training, is developing two greenhouse prototypes to export them to arid and semi-arid areas, mainly located in the Persian Gulf. Tomatoes, cucumbers or peppers are very hard to cultivate in these areas so they depend on importation.

VTR:

Research to offer a solution to the poor or inexistent vegetable production in countries where temperatures are high. In the IFAPA Centre, The Andalusian Institute of Agricultural and Fisheries Research and Training in Almería, they are developing two prototypes of greenhouse to solve this.

EVANGELINA MEDRANO

Researcher at IFAPA

"It will permit to increase production in warm, arid and semi-arid areas."

PILAR LORENZO

Researcher at IFAPA

"We think that it could be basic in areas such as the Gulf, with very extreme temperatures."

Refrigeration is the key. That's why they have designed an opened prototype with an interchangeable cover in which...

PILAR LORENZO

Researcher at IFAPA

"An engine rolls up a plastic in an axis and pulls a mesh, so the whole cover of the greenhouse becomes a window."

And another locked or semi-locked system with a cooling unit which...

EVANGELINA MEDRANO

Researcher at IFAPA

"It enriches the ambient air with CO2 and increases production."

Compensating the CO2 levels in the atmosphere which are lower than the optimum level for the correct development of crops. Countries with extremely high temperatures will be able to cultivate...

PILAR LORENZO

Researcher at IFAPA

"Tomatoes, peppers, cucumbers..."

Now they have to import those products. Some of the locked greenhouses are already working in the Persian Gulf.

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