

Alperujo, from toxic waste to ally of the environment thanks to a project developed in Seville

LOCATION: Seville

DURATION: 1'41"

SUMMARY: Scientists of the CSIC in Seville have transformed a contaminant product as the alperujo in an ally for the environment. After going through a process where the toxic substances it contains are eliminated, this waste produced by the oil industry is applied over the agricultural ground to avoid pesticides from getting to the underground or to groundwater. Alperujo is a very abundant resource in Andalusian, as 50% of the cultivated surface is covered by olive trees.

VTR:

From toxic waste to ally of the environment. These researchers of the CSIC in Seville have managed to turn contaminant waste generated by oil production, alperujo, in an effective insulate against pesticides used in agriculture.

RAFAEL CELIS
CSIC researcher in Seville

"When pesticides are applied over a ground that contains alperujo, it is more held, more immobilized and doesn't spread in the environment to undesired areas as superficial water, an aquifer, etc.."

BEATRIZ GÁMIZ
CSIC researcher in Seville

"We have had several cases of contamination by pesticides in Andalusian swamps, especially in those who are close to olive groves."

They have made it eliminating toxic substances contained in alperujo when it leave the oil mill, discovering an important potential.

RAFAEL CELIS
CSIC researcher in Seville

"The high absorbing capacity of this material."

It is a very abundant resource in the Andalusian Community.

RAFAEL CELIS
CSIC researcher in Seville

"Alperujo is produced in large amounts in Andalusia. We must take into account that olive groves represent the 50% of the cultivated surface."

It is mainly used in cultivations that are close to oil mills, as this way it is cheaper to transport. Here they also value other benefits.

BEATRIZ GÁMIZ
CSIC researcher in Seville

"Adding it to the ground is a very extended practice, but always more as a fertilizer, how it may affect pesticides is something a little more recent."

Because although it may seem a contradiction, waste can help us protecting the environment.

For more information or support please call +34 647 310 157 or email info@andalusianstories.com