

Technology's description

The jasmonates are a group of plant hormones produced by plants in response to many biotic and abiotic stress. It plays a crucial role, first in the pest plant interactions by increasing plant defenses and, secondly, by stimulating the biosynthesis of secondary metabolites with pharmacological properties.

The technology converts a plant by amplifying its defense mechanism by overexpression of genes involved in the production of jasmonate to induce in it an overproduction or an accumulation of jasmonic acids.

Advantages

- Amplification of a natural mechanism by overexpression of a gene of the plant: avoids resistance and toxicity
- Alternative to chemical treatments
- Overproduction of secondary metabolites of interest naturally produced in small quantities
- Universal process

Applications

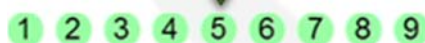
- Phytosanitary
- Pharmacy

Intellectual property

Patent

Development level

Technology validated in lab



Technology transfer

- Licence

