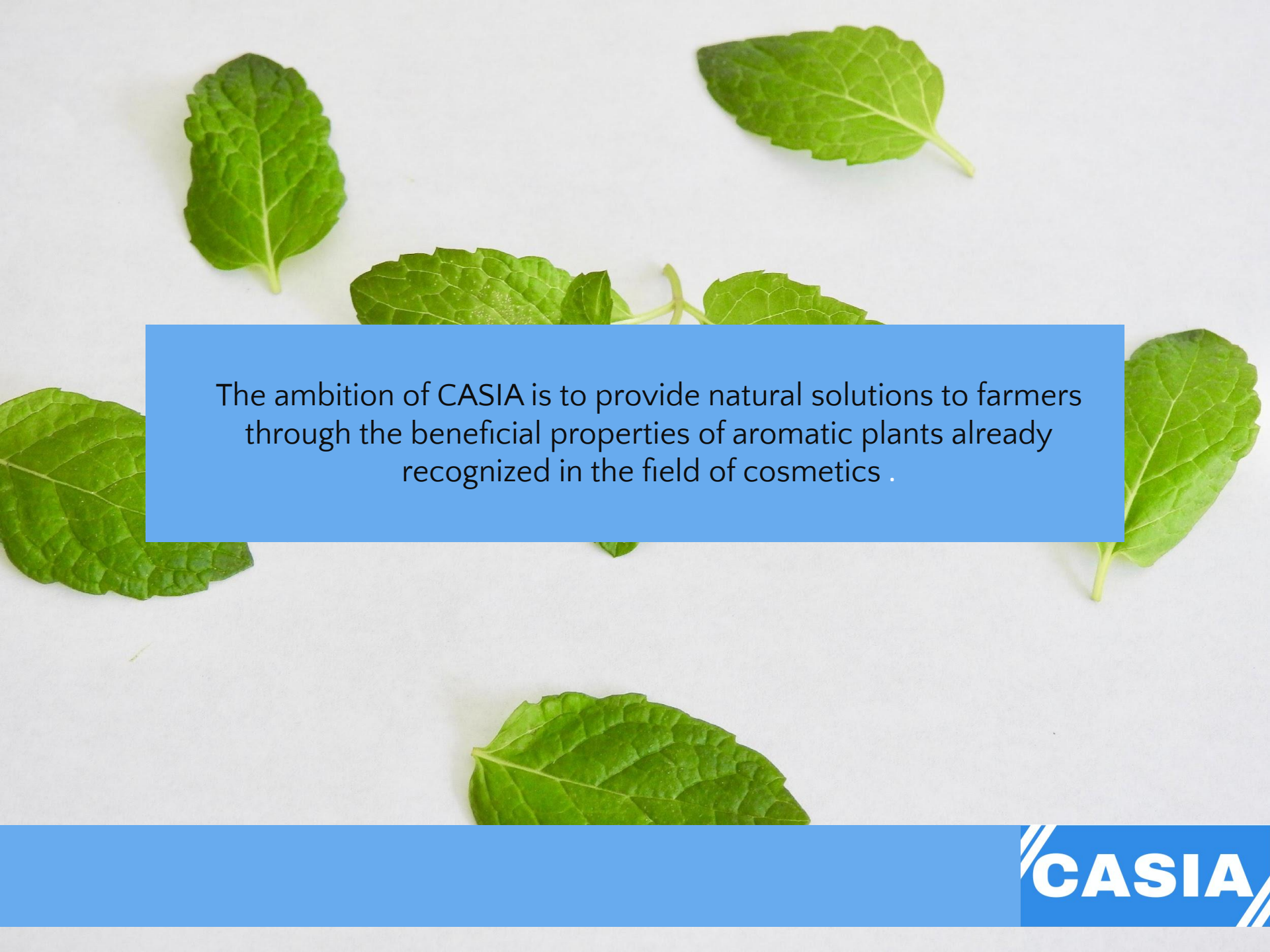




*essential oils for a caring and high -performance agriculture*



The ambition of CASIA is to provide natural solutions to farmers through the beneficial properties of aromatic plants already recognized in the field of cosmetics .





- Natural Substances for Biostimulant Use (NSBU) classified within the family of Low-Risk Natural Preparations (LRNPs). No mandatory marketing authorization required.

Enhances plant resistance by improving the availability of nutrients confined in the rhizosphere

Improves the qualitative characteristics of the harvest.

- The Distillery of Domaine des Arômes Français (DAF) is the exclusive partner of CASIA.

- Innovative product formulation process stemming from the specific distillation method used by DAF

- Usable in Organic Agriculture according to decree no. 2016-532 of April 27, 2016, classified as Natural Substances for Biostimulant Use (NSBU).

- Packaging: 20 L, 200 L except for CALORIA in 1000 L."



- Enhances crop tolerance to weather aggressions generating abiotic stress (thermal stress and frost)
- More specifically improves resistance to the activity of the ice-nucleating bacterium *Pseudomonas syringae* through the action of phytosterols.  
Supports the maintenance of cellular circulation during frost episodes  
Increases resistance to physiological fruit drop after frost episodes
- Contact product - effective for 72 hours. No mixing allowed
- Dosage: 400 L/ha in vineyards and 800 L in orchards. Application before frost using spraying equipment. Effective at all stages of vegetation
- Packaging: 100 L reusable IBC container
- Do not apply within 20 meters of a water point (well, pond, pool, stream, river, ditch...) in orchards, and 5 meters in other situations. Do not apply in the presence of pollinating insects and/or beneficials (bees, bumblebees, ladybugs, ...)

# CALORIA ADVANTAGES



- A product for two periods of action: frost and thermal stress. Preserves 2 to 3 degrees
- Usable in organic and conventional farming
- Ease of use – product to be applied a few hours before frost using 'standard' spraying equipment
- Effective for white frosts and black frosts for 72 hours.
- The product can be used within 2 years if proper storage conditions are respected (freeze-free, away from light, dry place and unopened).
- No health or environmental hazards

# CALORIA BENEFITS



- Ease of implementation with spraying equipment already available on the farm.
- Limited labor requirement for application compared to candles - only 1 person needed.
- Reduced discomfort as no night work required
- Reduced discomfort as no night work required.  
Possible treatment of the entire farm if frost is anticipated using meteorological models
- Product usable at all stages of crop growth.



# Proof of concept – Concrete case of VALLEE DE L'ENNUYEE –APRIL 2022

## CONTEXT

REPORT: Valley of Ennuyée in Drôme (26). 6th year of frost. Black frosts from April 2nd to April 3rd, 2022, between -2.2 and -3.3 degrees Celsius. UNPROTECTED apricot orchards froze, meaning 2/3 of the areas in this valley. The protections used were heaters and candles by orchardists. Frédéric RANCELLI decided to apply CALORIA on April 1st in the afternoon before the frost announced for the night. No area was affected by frost after 72 hours, and no physiological drop was observed."

## PUBLICATIONS

Agriculture Drômoise : <https://urlz.fr/k1Al>

France Bleu : <https://urlz.fr/k1Ar>

Le Dauphiné : <https://urlz.fr/k1Aw>



- Enhances crop tolerance to weather aggressions generating abiotic stress
- More specifically improves resistance to mildew and Monilinia attacks through the action of phytosterols in vineyards and orchards.
- Contact product. No mixing allowed.
- Dosage: 20 L/ha in vineyards and 40 L/ha in orchards. Effective at all stages of vegetation.
- Packaging: non-returnable 20 L jerrican and conditioned 200 L drum
- Do not apply within 20 meters of a water point (well, pond, pool, stream, river, ditch...) in orchards, and 5 meters in other situations. Do not apply in the presence of pollinating insects and/or beneficials (bees, bumblebees, ladybugs, ...).



# REGANA ADVANTAGES



- Complementary to the use of copper against mildew
- Usable in organic and conventional farming.
- Ease of use - product to be applied with 'standard' spraying equipment.
- The product can be used within 2 years if proper storage conditions are respected (freeze-free, away from light, dry place and unopened).
- No health or environmental hazards.

# REGANA BENEFITS



- Preserves life in soil
- Reduction in TFI



- Enhances plant resistance by improving the availability of nutrients confined in the rhizosphere.
- More specifically improves resistance to powdery mildew and bacterial diseases through the action of phytosterols in vineyards and orchards .
- **Contact product. No mixing allowed.**
- Dosage: 20 L/ha in vineyards and 40 L/ha in orchards. Effective at all stages of vegetation
- Packaging: non-returnable 20 L jerrican and conditioned 200 L drum
- Do not apply within 20 meters of a water point (well, pond, pool, stream, river, ditch...) in orchards, and 5 meters in other situations. Do not apply in the presence of pollinating insects and/or beneficials (bees, bumblebees, ladybugs, ...)."

# RUBIGA ADVANTAGES



- Complementary to the use of sulfur against powdery mildew
- Usable in organic and conventional farming.
- Ease of use – product to be applied with 'standard' spraying equipment
- The product can be used within 2 years if proper storage conditions are respected (freeze-free, away from light, dry place and unopened)
- No health or environmental hazards.

# RUBIGA BENEFITS



- Preserves life in soil
- Reduction in TFI



- Enhances plant resistance by improving the availability of nutrients confined in the rhizosphere
- More specifically improves resistance to the following pests: earwigs, aphids, codling moths, caterpillars... through the action of phytosterols in vineyards and orchards
- Contact product. No mixing allowed
- Dosage: 20 L/ha in vineyards and 40 L/ha in orchards. Effective at all stages of vegetation
- Packaging: non-returnable 20 L jerrican and conditioned 200 L drum
- Do not apply within 20 meters of a water point (well, pond, pool, stream, river, ditch...) in orchards, and 5 meters in other situations. Do not apply in the presence of pollinating insects and/or beneficials (bees, bumblebees, ladybugs, ...).



## EBUGA ADVANTAGES

- Alternative to other chemical products
- Usable in organic and conventional farming.
- Ease of use – product to be applied with 'standard' spraying equipment
- The product can be used within 2 years if proper storage conditions are respected (freeze-free, away from light, dry place and unopened)
- No health or environmental hazards.



## EBUGA BENEFITS

- Preserves life in soil
- Reduction in TFI



The vineyards of Domaine La Rosière have long been the highest in France. Valéry Liotaud cultivates them using organic and biodynamic methods. He offers IGP Coteaux des Baronnies cuvées in Ste Jalle, Drôme.

Close to nature and convinced of the benefits of plants, for several years he has been undertaking trials and implementing initiatives for Distillation de la Vallée de l'Ennuyée. His enterprise, like that of Frédéric RANCELLI in orchards, serves as a real-life laboratory for the agricultural innovations of tomorrow.

Since 2019, he has tested the products, now known as REGANA, RUBIGA, and EBUGA, in various pedoclimatic conditions. The results are clear: he has drastically reduced the use of more standard products used in organic agriculture, such as sulfur and copper.

His motto, borrowed from Antoine de Saint-Exupéry, is repeated: "We do not inherit the earth from our ancestors, we borrow it from our children."





- Detergent that facilitates the cleaning of sprayers, both interior and exterior.. No mixing allowed with PURIFICA. Packaging: 20 L
- Non abrasive.
- No mixing allowed with PURIFICA.
- Packaging : 20 L

*Other products are currently under development*



Contact us for more information  
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LES ADRETS

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