TECHNICAL SHEET

ELICIR ARCOLAN™ OLIVE

OLIVE TREE FOLIAR BIOSTIMULANT (Plant extract)

According to Regulation (EU) 2019/1009

Suitable for use in Organic Farming in accordance with Regulation (EU) N° 2021/1165

SUITABLE FOR organic farming
in accordance with regulation (EU) 2021/1165

BIOSOURCED · NO ADDITIVES · NON-TOXIC

NO RESIDUE

PACKAGING — 1 Kg, 5 Kg, 10 Kg

PROMOTES THE GROWTH OF OLIVE TREES - An innovative and efficient biostimulation solution, 100% biosourced

➢ **Stimulates plant growth from nursery**

➢ **Optimizes yield**

➢ **Regulates the physiological stages of trees depending on the season**

➢ **Reduces abortion in times of environmental stress**

➢ **Resumption of growth and production of trees subjected to abiotic stress, drought, temperature**

➢ **Stimulates and strengthens the root system**

ELICIR ARCOLAN™ OLIVE

New Patented Technology

ELICIR offers an extremely effective breakthrough agronomic technology.

ELICIR has been involved in the olive cultivation for several years.

ARCOLAN™ is a tool for the environmental transition of olive cultivation.

Treatments by foliar application, in accordance with agricultural practices.

ARCOLAN™ can be used over the lifetime of the olive trees to improve its physiology and production.

ARCOLAN™ has no negative impact on the quality of olive oil.

ARCOLAN™ can be used in a treatment program with other biostimulant, biocontrol and plant protection products.

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CONDITIONS FOR USE :

CROP	Dose	▪ Maximum number of applications ▪ Interval
OLIVE	0.1 Kg/hL	▪ 1-6 applications ▪ 10 – 14 days

TANK MIXTURE :

Fill the tank about three quarter-full of required water volume. Start tank agitation, agitate the container and add the necessary quantity of product. Then, make up to final volume with water. Rinse manually the container with clean water 3 times and with agitation. Make sure to add water into tank. Maintain the agitation during spraying.

CLEANING OF THE TANK :

At the end of application, rinse the spray line, nozzle, tank and agitator with clear water. The cleaning of the spray system, the spreading or tank draining and effluent removal must be done in accordance with regulations.
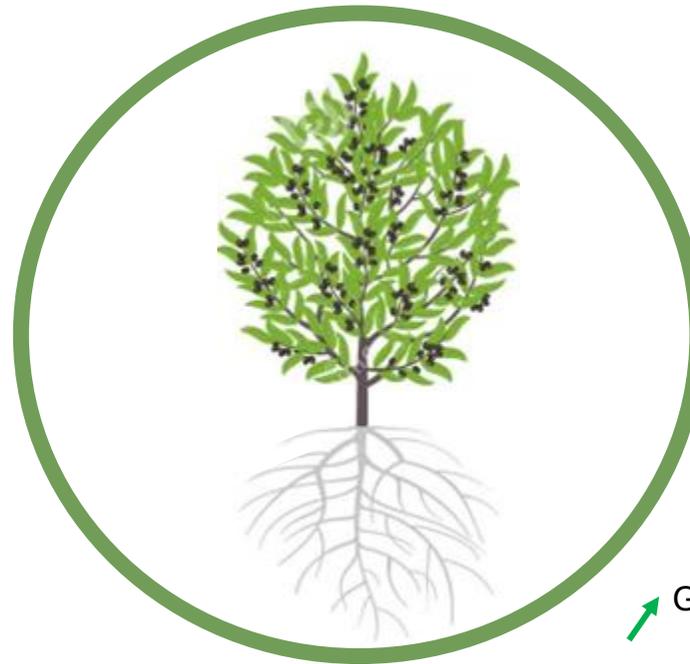
STORAGE CONDITIONS :

Keep in a cool, dry place, away from light and high temperatures.

Classification and labelling according to Regulation (EC) No 1272/2008 :
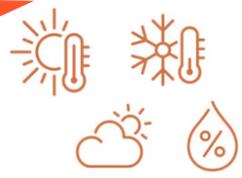
Not classified product

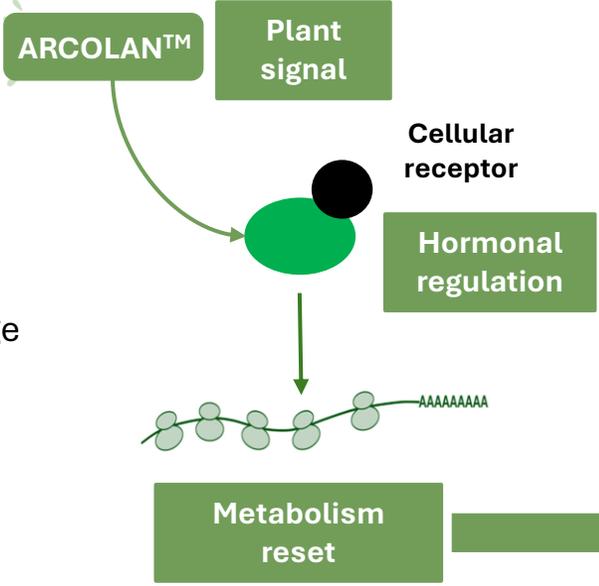**Stress**

Restricted metabolic programming

- Oxidative damage
- Vigor and growth
- Photosynthesis
- Root system
- Yield

ARCOLAN™ Plant signal

Cellular receptor

Hormonal regulation

Metabolism reset

Natural Metabolic Adjustment

Optimisation of interest agronomic parameters

- Growth optimization
- Strengthening the root system
- Better recovery and installation of plants

MODE OF ACTION

Effect of ARCOLAN™ on olive tree growth

🌱 Positive effect on the plant physiology

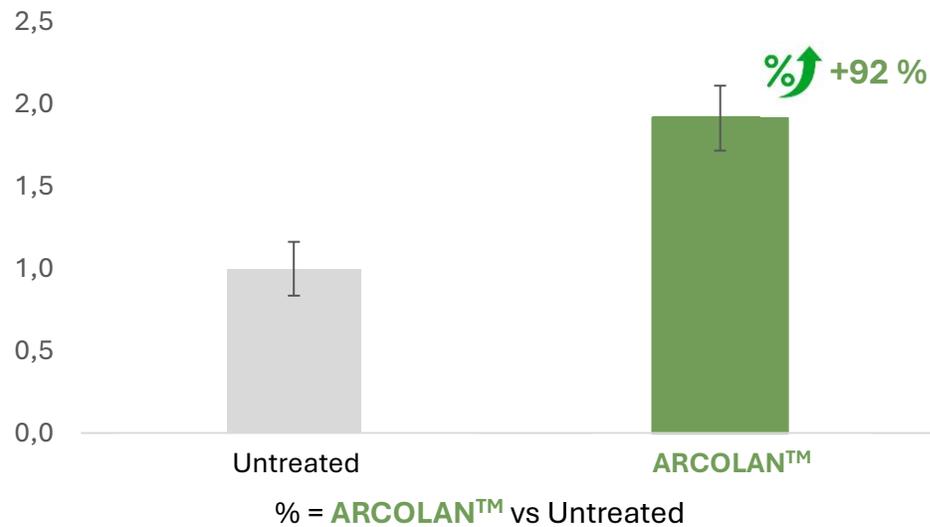🌱 Positive effect on the yield and the final product quality (olive oil)
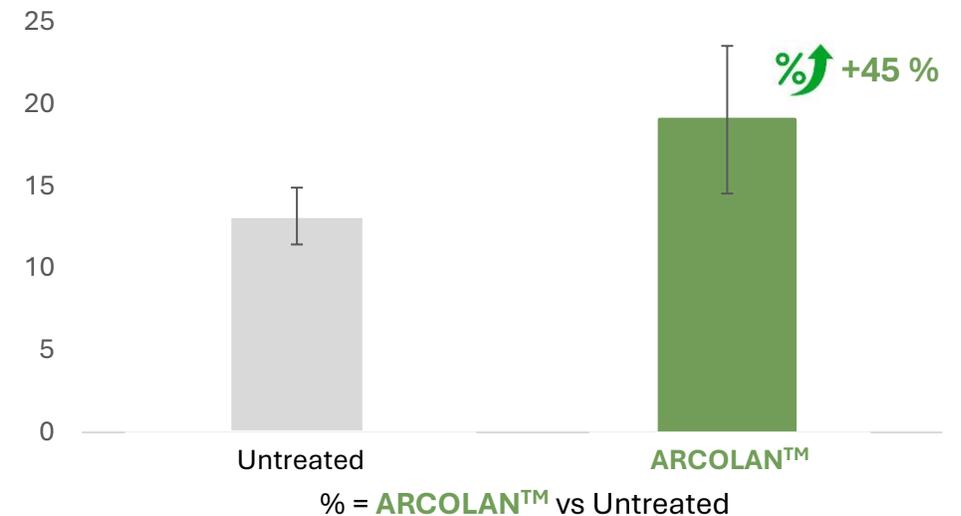
Effect of ARCOLAN™ on the olive tree growth

Crop	Olive
Localisation	Domaine de Baudrigue, Roullens (11), France
Year	2024
Modalities	Untreated/control **ARCOLAN™ - 3 foliar sprays/14 days**
Assessed parameters	Collar diameter (mm) Height (cm)

Nectar &Co OLÉICULTURE RÉGÉNÉRATRICE

Diameter gain in 4 months (mm)

%⬆ **+92 %**

Untreated   ARCOLAN™

% = **ARCOLAN™** vs Untreated

Height gain in 4 months (cm)

%⬆ **+45 %**

Untreated   ARCOLAN™

% = **ARCOLAN™** vs Untreated

🌱 **ARCOLAN™ has a positive effect on the height and the diameter growth**

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Effect of ARCOLAN™ on the olive yield
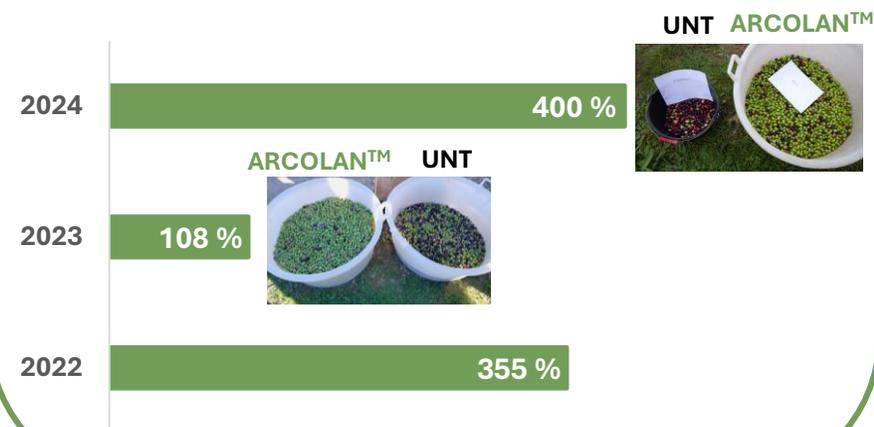
Crop	Olive
Localisation	Cazevieille (34), France 43°45'37,5"N, 3°47'37,6"E
Year	2022, 2023 and 2024
Modalities	Untreated/Control ARCOLAN™ - 6 foliar sprays/14 days
Assessed parameters	Olive yield Analysis of olives/oils– CTO Aix en Provence

Natural environment where trees are subject to strong pressures and constraints (biotic, abiotic).

Olive yield gain vs untreated modality

UNT   ARCOLAN™

2024 — 400 %

ARCOLAN™   UNT

2023 — 108 %

2022 — 355 %

🌾 **Yield has been increased during 3 consecutive years for ARCOLAN™**

🌾 **A different maturity of olives was observed**

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Effect of ARCOLAN™ on the olive oil quality - 2024

| Crop	Olive
Localisation	Cazevieille (34), France 43°45'37,5"N, 3°47'37,6"E
Year	2022, 2023 and 2024
Modalities	Untreated, **ARCOLAN™**
Assessed parameters	Olive yield Analysis of olives/oils– CTO Aix en Provence

Untreated

Structural maturity

Stress
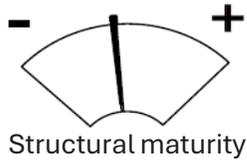
Forced maturation of drupes

ARCOLAN™

Structural maturity

Untreated	Parameters	ARCOLAN™
2,6 kg	Yield	**13 kg**
85 %	Color stage	**45 %**
3,67 g	Average weight of an olive	**3,77 g**
18,9 %	Oil percentage	**19,2 %**
6,3	Organoleptic score /10	**6,9**
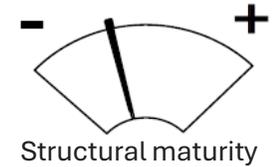
✔ Maturity shift by ARCOLAN™ :
- **Optimization of oil yield**
- **Staggered harvest possible**
- **Avoid heat stroke and water stress known in certain regions**

🌱 **Adjustment/optimization of olive maturity based on external parameters**

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Effect of ARCOLAN™ on the olive oil quality - 2024

Untreated	Parameters	ARCOLAN™
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3,67 g	Average weight of an olive	**3,77 g**
18,9 %	Oil percentage	**19,2 %**
6,3	Organoleptic score /10	**6,9**

Structural maturity

Structural maturity

Untreated

Fatness: normal

ARCOLAN™

Fatness: normal
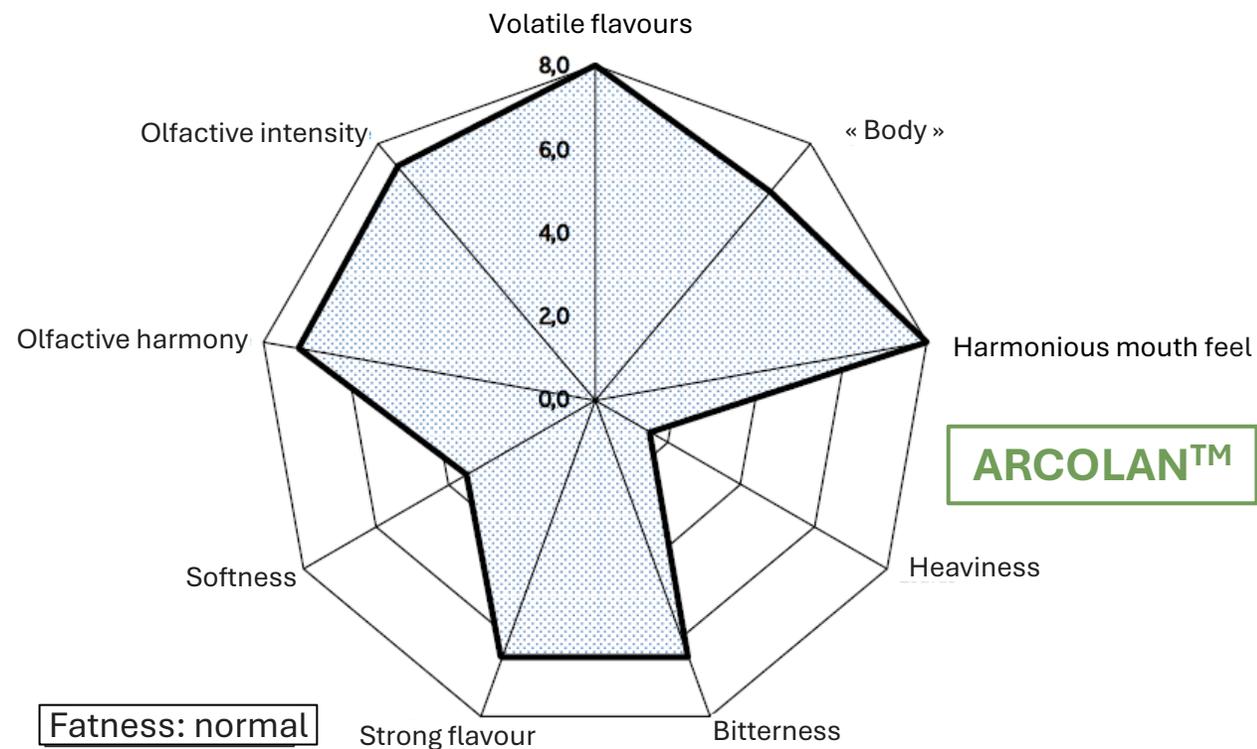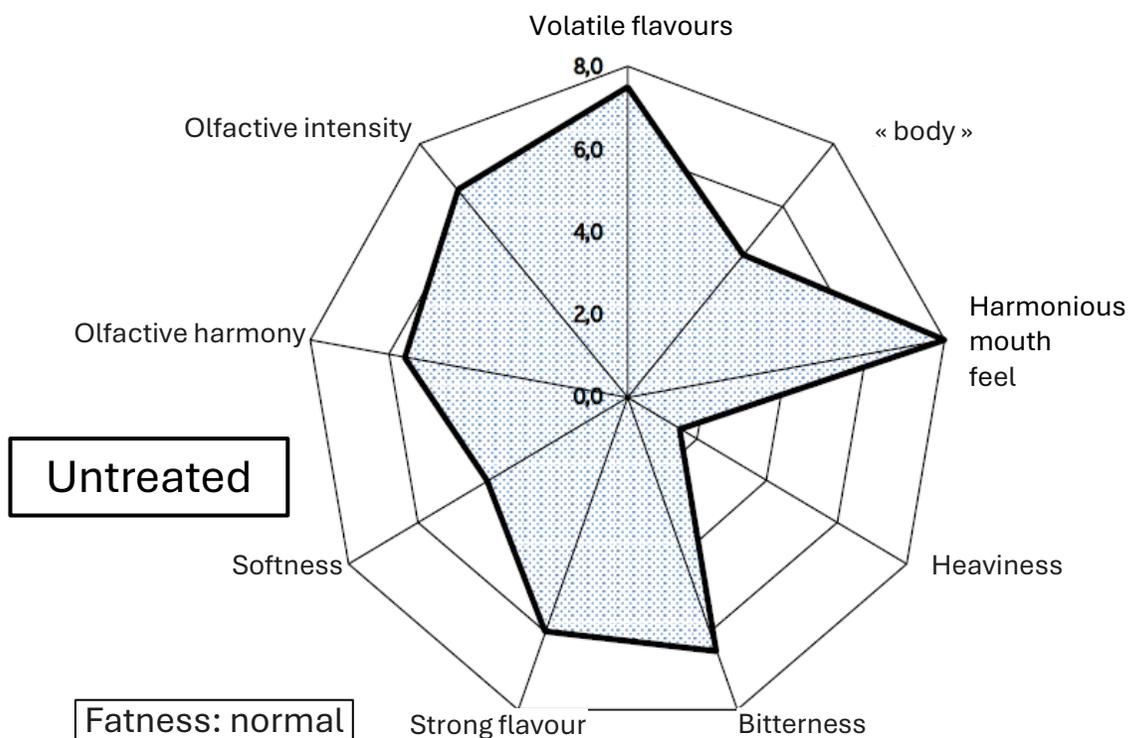
Superior organoleptic quality of the oil for ARCOLAN™

Conclusion

🌱 Results indicate that **ARCOLAN™** has a positive effect in just 4 months on the growth rate of olive trees.

🌱 In the conditions of experiments carried out over 3 years, trials highlight a higher yield of around 290%.

🌱 **ARCOLAN™** allows optimization of the metabolism of olive trees depending on the season (less abortion, adjustment of maturity, improved organoleptic qualities, etc.).