

NEWSLETTER 03



NATURAL POWER LIFE

The NATURAL POWER LIFE project aims at sustainably replacing hazardous herbicides and biocides with pelargonic acid-based products.

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Co-funded by
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News

21-23 Oct 2024

Natural Power Life at ABIM 2024 in Basel



We are excited to share our participation in the **Annual Biocontrol Industry Meeting (ABIM) 2024, held in Basel from October 21-23, 2024!**

As the premier event for the biocontrol industry, ABIM brought together over **2,000 participants from 67 countries**, fostering discussions on innovation and regulatory advancements in sustainable agriculture.

Highlights of Our ABIM 2024 Participation:

Engaging with Key Stakeholders:	Strengthened connections with leading figures in the European agricultural market.
Insightful Sessions:	Attended discussions on regulatory developments and the global outlook of the biosolution market.
Collaborative Technical Meeting:	Hosted at the AGRI 2000 NET S.R.L. booth, we facilitated dynamic collaboration with partners both on-site and remotely.

Special Presentation

A key highlight was the presentation from our Agri2000 Hellas colleague, who showcased the **2024 results** on crops such as hazelnut, apple, and pear. The findings underscored the outstanding efficacy of **Ager Bi**, our innovative **pelargonic acid formulation**, in controlling suckers and weeds.

Looking Ahead

The knowledge gained at ABIM 2024 is vital as we gear up for our 2025 trials, marking another step forward for our sustainable solutions. We are thrilled about the continued success of Ager Bi and its contributions to sustainable agriculture.

News



5-8 Nov 2024

Ecomondo 2024: Advancing Innovation in Sustainability

From November 5th to 8th, Ecomondo united experts and innovators to explore cutting-edge sustainable solutions. We are proud to share that our partner, Novamont, contributed to this transformative event through a series of thematic conferences, including an inspiring session focused on accelerating regulatory progress.

The presentation, titled „**Efficient and Sustainable Agricultural Best Practices: The Ager-Bi Case Study,**“ showcased the revolutionary potential of pelargonic acid – a natural, biodegradable molecule central to Ager-Bi formulations. This innovation is approved for use in crops like vineyards, olive groves, hazelnut orchards, fruit trees, and more, offering a powerful agricultural solution with minimal environmental impact.

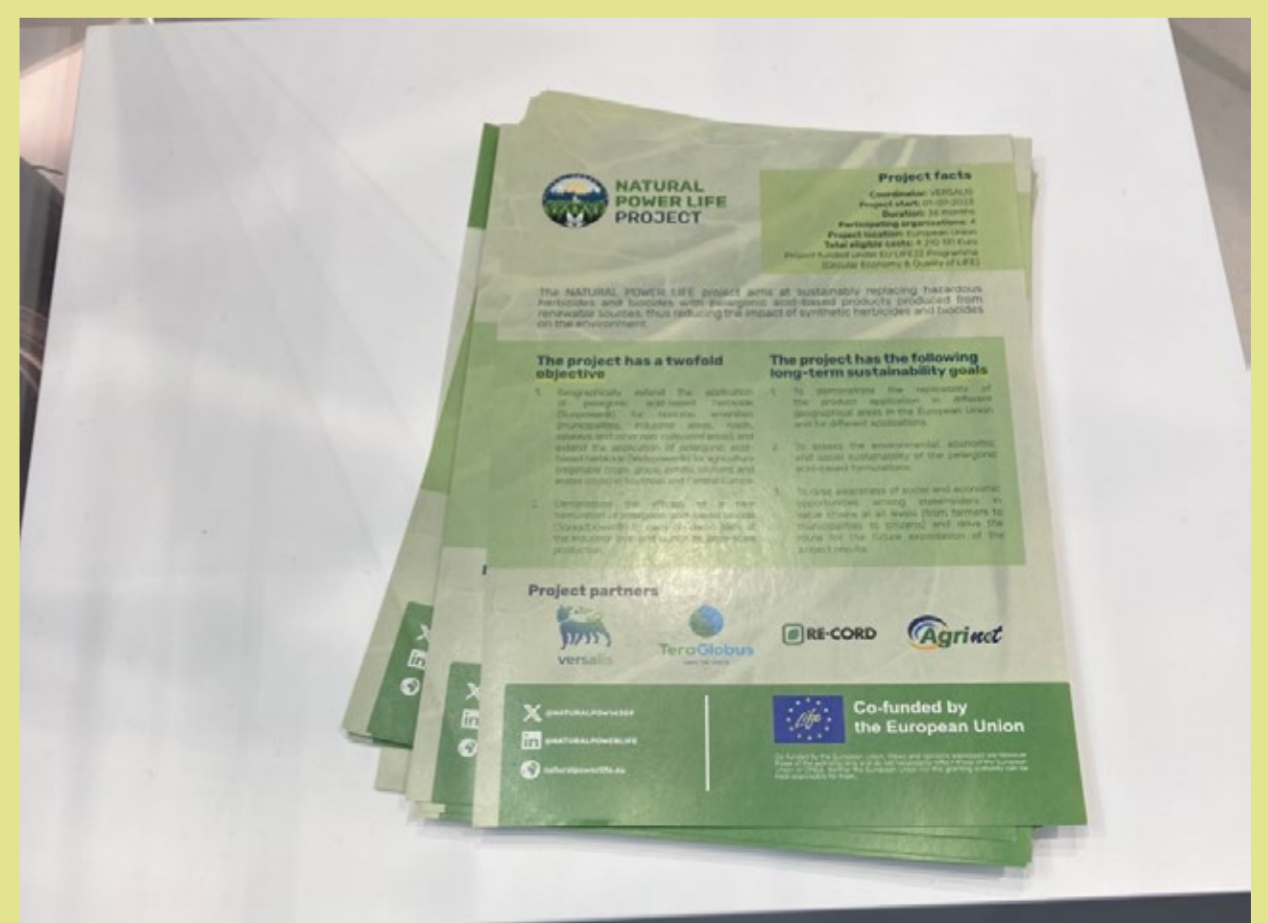
Key highlights:

Sourced from renewable materials using innovative low-impact technology.

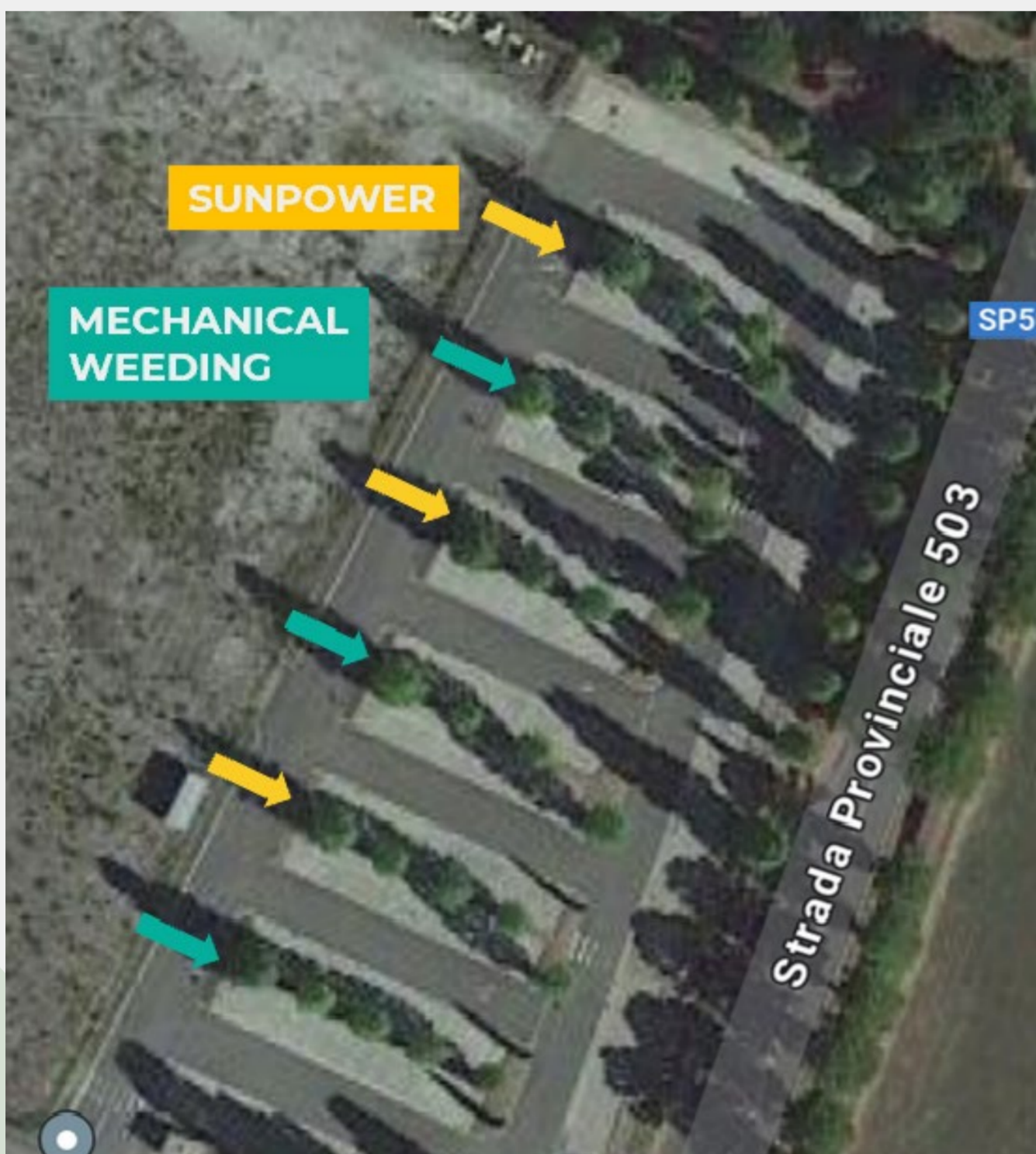
Rapidly biodegradable and naturally present in the environment.

A proprietary formula delivering unmatched agricultural efficiency.

Ager-Bi represents the culmination of **years of field experimentation** and a deep commitment to bioeconomy principles. It stands as a shining example of how innovation, industrial development, and sustainability can converge to drive positive change. This groundbreaking achievement underscores the importance of collaboration and urgency in advancing regulatory frameworks, ensuring a more sustainable future.



Pianvallico parking area (Scarperia, FI) trials



Protocol 1: 3 applications of SUNPOWER®

Protocol 2: 3 applications of mechanical weeding (brushcutter)

Pianvallico is an industrial and commercial hub located in the town of Scarperia, serving as a daily destination for residents, business owners, and workers.

The focus of the current project is a large parking lot with interlocking pavement, which experiences daily use, including on weekends. This expansive area also requires regular upkeep, with green space maintenance scheduled on a monthly basis.

Results as of May 22nd (27 days after the first application)

- **SUNPOWER® DOSE concentration: 8%.**
- **Weed regrowth was minimal**, indicating high efficacy and excellent control.
- Both treatment protocols yielded similar results in terms of suppressing weed regrowth.
- Approximately **90 mm of precipitation** was recorded between the application and field inspection.

SUNPOWER®



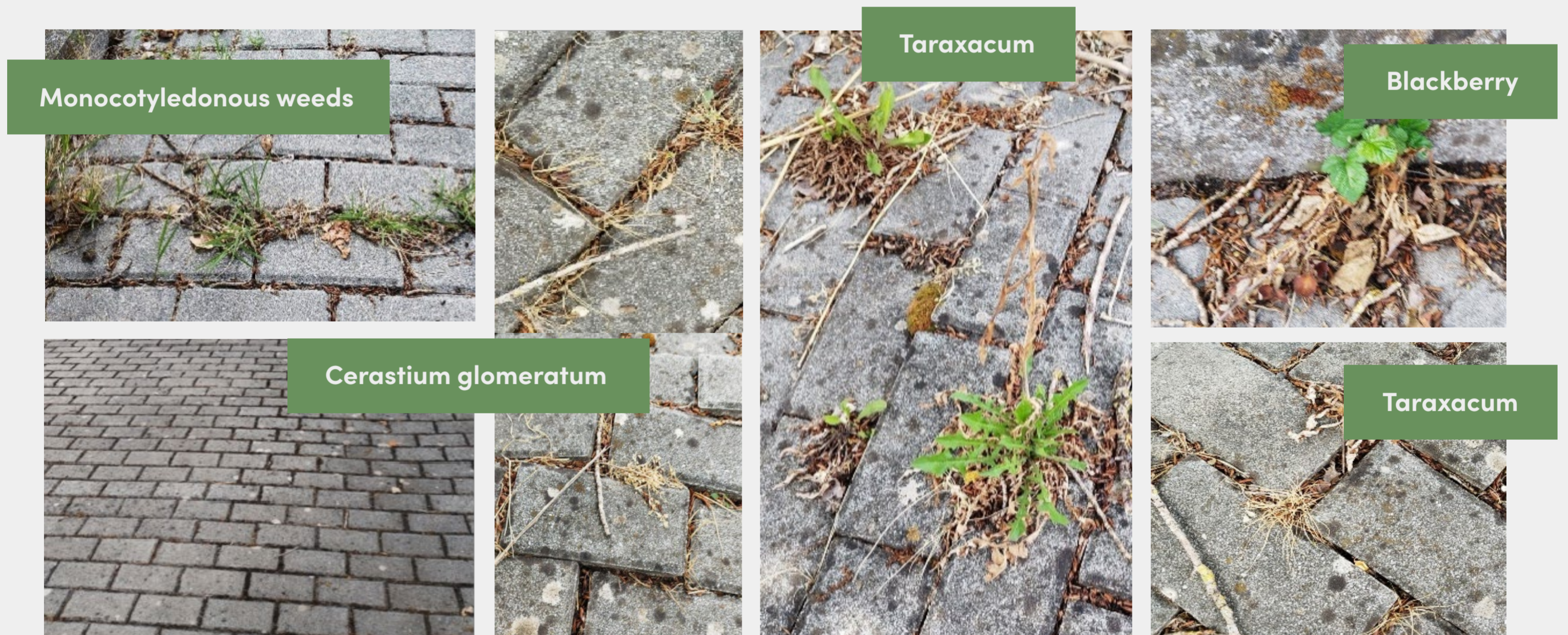
MECHANICAL WEEDING



Results as of June 10th (27 days after the second application)

- **SUNPOWER® DOSE concentration: 4%.**
- **Effective weed control** observed.
- Approximately **60 mm of precipitation** recorded.
- Maximum **temperature exceeded 25°C.**

SUNPOWER®



MECHANICAL WEEDING



Results as of July 8th (27 days after the third application)

- A 3% concentration **SUNPOWER® DOSE** provided **excellent weed control** during the peak summer season.
- **Very high control** was maintained at 27 days after the third application.
- **Precipitation** between the final application and field inspection amounted to approximately **84 mm**.
- Temperatures during this period ranged from **25–30°C (max)** and **17–20°C (min)**.

SUNPOWER®



MECHANICAL WEEDING



Three months of no weeding



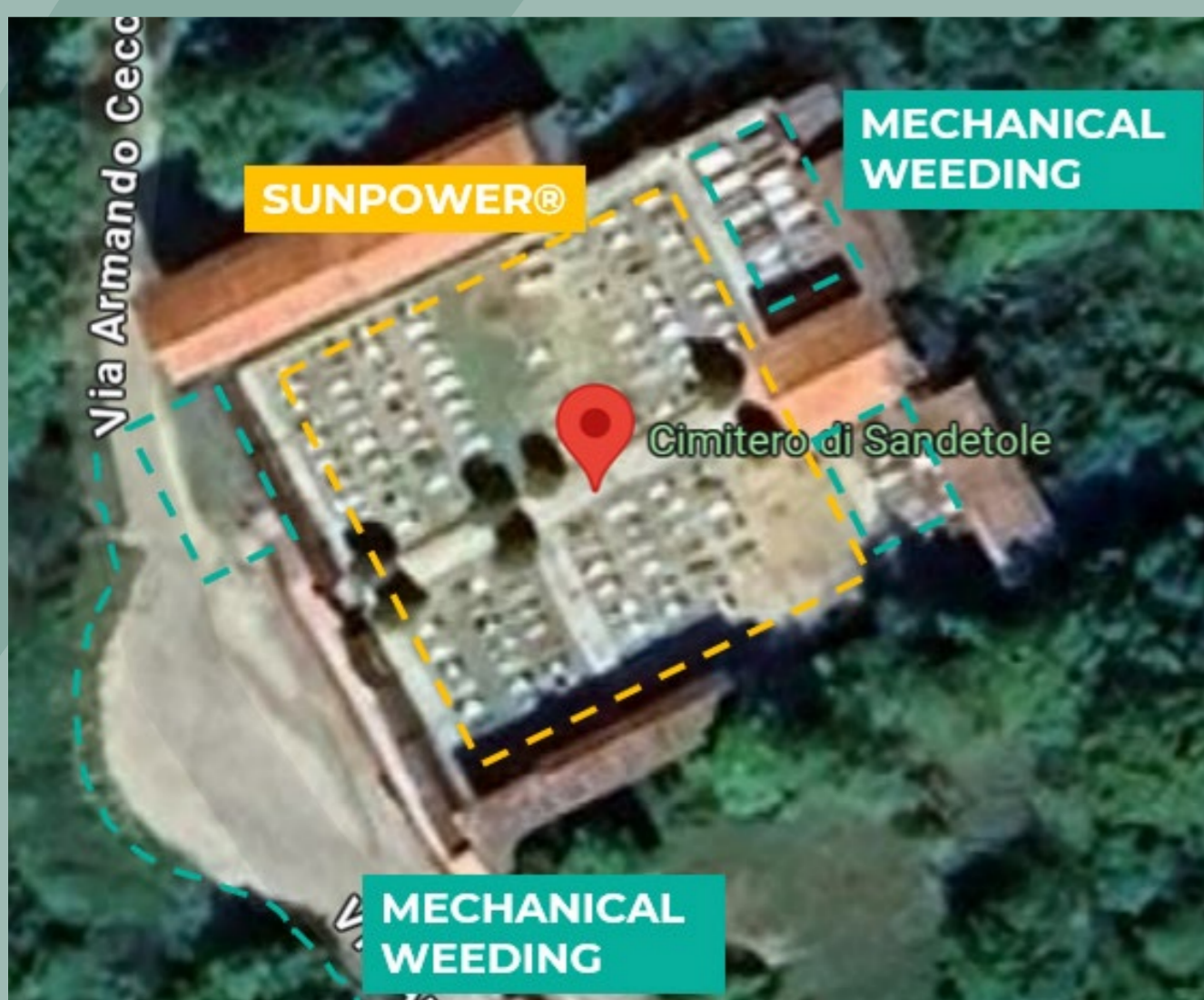
Sandetole cemetery (Dicomano, FI) trials

Protocol 1: P3 applications of SUNPOWER®

Protocol 2: 3 applications of mechanical weeding (brushcutter)

Sandetole is a small hamlet in the municipality of Dicomano, nestled in the heart of the Mugello region, north of Florence. Its cemetery, perched on a hill above the village and surrounded by woodland, lies near a historic church and convent.

The cemetery's surface is unpaved, covered with a layer of gravel through which many weeds emerge, making regular maintenance essential to keep the area clean and orderly. Due to the challenges of using a brushcutter on gravel, SUNPOWER®, a biodegradable herbicide, offers an ideal solution for effective and environmentally friendly weed control in this location.



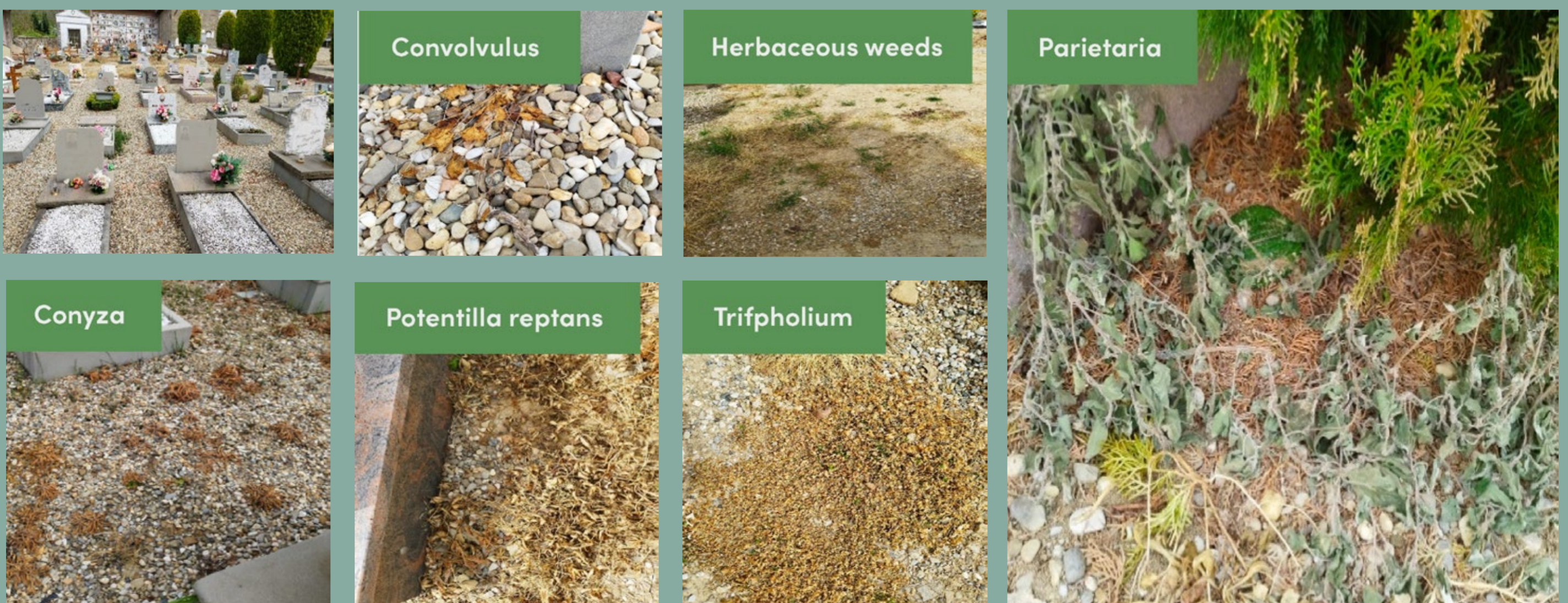
Before SUNPOWER® application



Results as of April 2nd (2 days after the first application)

- SUNPOWER® DOSE concentration: 8%.
- Very high efficacy of the SUNPOWER® towards different weed species.

Before SUNPOWER® application



Trials

Sandetole cemetery
(Dicomano, FI) trials

- **SUNPOWER® DOSE concentration: 8%.**
- Precipitations: 15 mm.
- Temperature: 17°C.
- Conyza treated with brushcutter showed high regrowth.

Before SUNPOWER® application



MECHANICAL WEEDING



Mugello International Circuit (Scarperia e San Piero) trials

Protocol 1: 3 applications of SUNPOWER®

Protocol 2: 1 treatment with water vapour

The Mugello International Circuit, located in the picturesque municipality of Scarperia e San Piero, Italy, draws thousands of visitors, tourists, and sports enthusiasts each year.

This renowned motor racing and motorcycle track is surrounded by expansive green areas designed to enhance the visitor experience. To ensure smooth traffic flow and ease of access, the circuit's roads and parking facilities receive regular maintenance, accommodating the steady influx of fans and guests.



SUNPOWER®

- A mix of **perennial dicotyledonous weeds** 15 min after **SUNPOWER®** application (dose 10%).



Results as of April 8th
(3 days after the first application)



Trials

Mugello International Circuit
(Scarperia e San Piero) trials

SUNPOWER®

- Provides **high weed control with an enhanced drying effect.**
- Noticeable **effectiveness compared to water vapor treatment.**
- Requires **shorter application time for results.**



WATER VAPOR TREATMENT

