



SALICROP SUSTAINABILITY REPORT 2023-24:

NURTURING RESILIENT AGRICULTURE



MESSAGE FROM CEO



CARMIT ORON
CEO

Executive Summary:

Salicrop remains committed to addressing the challenges of climate change through sustainable seed enhancement solutions. By increasing crop resilience to abiotic stresses like drought, salinity, and temperature extremes, Salicrop is driving meaningful impact across global agriculture.

The 2023-24 season has been marked by strong partnerships with leading global agricultural companies, successful field trials across several key regions, and significant progress in promoting climate-smart agricultural practices. Salicrop continues to align its goals with global sustainability frameworks, particularly the UN Sustainable Development Goals (SDGs), as it works toward a more resilient agricultural future.



ACHIEVING OPTIMUM YIELD UNDER ABIOTIC STRESS

Salicrop is dedicated to providing innovative, ecologically sustainable, and safe alternatives to boost abiotic resilience in multiple crops. Our non-GMO, pre-planting application effectively addresses abiotic stress without altering soil consistency or quality, ensuring an innocuous impact throughout the entire value chain.

With a proven track record of significant yield enhancement across various high-value and field crops, Salicrop has successfully piloted projects with leading international companies in several regions. Our solution delivers a material impact on growers' profitability by increasing yields and reducing farming costs.

Compatible with biodynamic and organic agriculture principles, Salicrop enables farmers to achieve higher yields and better-quality produce without leaving residues in fresh produce.

Salicrop's seed enhancement technology is making a measurable impact on agriculture by improving crop resilience and increasing yields.

By focusing on sustainability and collaboration, Salicrop is helping shape the future of agriculture in the face of climate change. The company remains committed to supporting farmers, enhancing food security, and promoting environmental stewardship.



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SUSTAINABILITY STRATEGY:

Salicrop's sustainability strategy is built on three main pillars: enhancing agricultural resilience, optimizing resource efficiency, and reducing environmental impact. By focusing on the development of non-GMO seed enhancement technologies, Salicrop helps crops thrive in challenging conditions, thus contributing to food security and reduced farming input costs.

Key elements of the strategy include:

Climate-Resilient Solutions: Salicrop's seed enhancement are designed to increase the resilience of crops like wheat, alfalfa, tomatoes, and rice. These solutions help reduce water dependency and improve yields even in regions facing high salinity or temperature extremes.

Resource Efficiency: By reducing the need for excessive irrigation and chemical inputs, Salicrop's technologies help farmers use their resources more efficiently.

Sustainability Goals Alignment: Salicrop is committed to the UN SDGs, particularly SDG 2 (Zero Hunger) and SDG 13 (Climate Action), by ensuring food security and promoting environmentally responsible agricultural practices.



AGRONOMIC INNOVATION:

Innovation remains at the heart of Salicrop's work. The company's proprietary seed enhancement technology has shown consistent success in field trials across diverse geographical regions. These trials have demonstrated marked increases in crop yields and improvements in stress tolerance.

- **Non-GMO Seed Treatment Technology:** Salicrop's process treats seeds pre-planting, allowing them to better withstand drought, salinity, and heat stress. This solution is proving essential as environmental pressures on agriculture increase.
- **Field Trials and Results:** Salicrop conducted extensive trials in India, Spain Africa and Israel demonstrating yield increases between 10-25%.
- **R&D Focus:** The company continues to invest in research and development, focusing on expanding its seed enhancement solutions to more crop varieties and refining the effectiveness of its existing technologies.

ENVIRONMENTAL PERFORMANCE:

Salicrop is committed to reducing the carbon footprint of agriculture by making farming more efficient and sustainable.

- **Reduction in Carbon Footprint:** Salicrop's innovative seed treatments effectively reduce carbon emissions by enabling high biomass cultivation on marginal lands, thereby opening new frontiers in sustainable farming.
- **Soil Health and Carbon Sequestration:** Alfalfa, one of Salicrop's key target crops, plays a critical role in soil health and carbon sequestration. Its deep-root systems improve soil structure and capture significant amounts of atmospheric carbon, contributing to long-term soil fertility.
- **Valuable in regions facing water scarcity and drought conditions.** By optimizing water efficiency and minimizing the waste associated with over-application of water and fertilizers, Salicrop helps farmers maintain productivity while conserving this critical resource. This approach is particularly beneficial in drought-prone areas, where water conservation is essential for sustainable farming practices.



COLLABORATIONS AND PARTNERSHIPS:

Salicrop's growth and success are bolstered by its strategic partnerships with key players in the agricultural sector

- **Global Partnerships:** Salicrop has forged strong relationships with major global agricultural companies such as Bayer, SAKATA, KWS, Conesa, TAT, KAGOME and others. These collaborations have allowed Salicrop's seed enhancement technology to reach new markets and scale rapidly.

SOCIAL RESPONSIBILITY AND FARMER IMPACT:

At the heart of Salicrop's mission is the empowerment of farmers through access to resilient agricultural solutions that improve profitability and food security.

Farmer Outreach: Salicrop has worked directly with farmers in 7 countries to implement its seed enhancement solutions. By improving crop yields and reducing farming costs, Salicrop helps farmers overcome challenges related to environmental stressors.

Success Stories: Testimonials from farmers who have implemented Salicrop's technologies showcase real-world results. For example, a tomato grower in Israel reported a 25-40% increase in yield despite high salinity levels and heat stress for 3 years.

Community Engagement: Salicrop continues to support community-based agricultural initiatives that promote education on sustainable farming practices.

SALICROP'S SUSTAINABLE IMPACT: KEY USE CASES

Resilient Crops for Climate Adaptation

Salicrop's innovative seed enhancement solutions are transforming agriculture by helping farmers grow more resilient crops under increasingly challenging environmental conditions, such as drought, salinity, and extreme temperatures.

Use Case Example:

- *In Spain, enhanced tomato seeds have successfully demonstrated 50% reduction in yield losses during drought conditions, allowing farmers to maintain profitable operations in areas with scarce water resources.*

Food Security Through Sustainable Solutions

Salicrop is helping address global food security by increasing yields without the need for harmful chemicals or genetically modified organisms. This contributes to more affordable food production in both developed and emerging economies.

Use Case Example:

- *In India, Salicrop's seed enhancements for rice have shown a 20% increase in yields despite high salinity soils, directly contributing to local food security in rural communities.*

Reducing Agricultural Losses

With proven success across multiple high-value and commodity crops, Salicrop's technologies reduce agricultural losses, thus supporting both smallholder farmers and large-scale operations to sustainably meet growing food demands.

Use Case Example:

- *In Israel, open field tomato growers experienced up to 60% reduction in crop losses due to Salicrop's enhanced seed resilience to heatwaves, contributing to greater sustainability.*

FUTURE GOALS AND ROADMAP:



Looking ahead, Salicrop has an ambitious vision for expanding its impact and contributing further to global food security.

- **Expansion into New Markets:** In the coming year, Salicrop plans to expand its reach into new markets in Latin America, where the need for climate-resilient agricultural solutions is particularly urgent.
- **New Product Development:** Salicrop is in the process of developing new seed solutions for crops such as rice and broadening its portfolio and further supporting global agriculture.
- **Commitment to Long-Term Sustainability:** Salicrop is dedicated to ensuring that its growth is aligned with sustainability goals. As part of this commitment, the company will continue to invest in R&D and strengthen its partnerships to meet the challenges posed by climate change head-on.

