

# The **PULSATOR 205**<sup>™</sup>

 **Smart Climate Control**

**A Smart Climate Control Solution  
for Fruit and Vines**



**ThePulsator.com**



# The PULSATOR 205™

## Smart Climate Control

A Smart Climate Control Solution for Fruit and Vines

**Extreme Weather** events pose significant challenges to growers worldwide.



From earlier warm winter weather, to late spring frosts, to scorching heat waves, protecting fruit and vines from temperature extremes is crucial for maintaining productivity, yields, and revenue.



The Pulsator 205 is a cutting-edge solution designed to provide growers with a reliable and efficient tool to safeguard their crops against the unpredictable forces of nature.

*The Pulsator 205 in Chilean citrus orchard protecting from extreme heat and frost*

### ***Did you know?***

*Frost damage to the 2023 Georgia peach crop resulted in 90% crop loss worth almost \$1.0 billion.*

*Every year heat stress increases worldwide with billions in crop losses and significant price increases to consumers.*

# Effective Climate Control a Must Have:

As climate change accelerates, growers face increasingly variable weather patterns that threaten yields.



*Frost damage to peach buds*

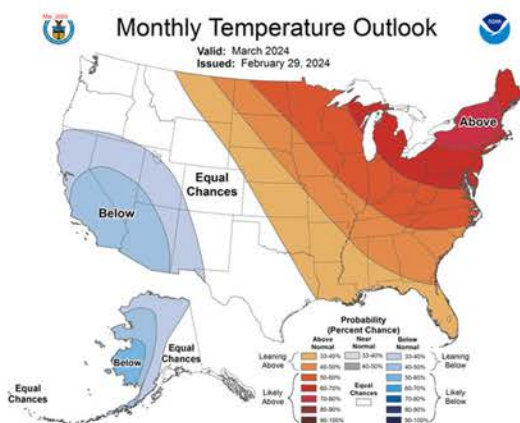
The impact of climate change is magnified by extreme weather events, resulting in unprecedented losses and forcing growers to reassess their strategies for upcoming seasons. In 2023, Georgia, famously known as The Peach State, suffered a significant setback when more than 90% of its peach crop was devastated by an uncommon sequence of warm winter conditions followed by a sudden freeze.



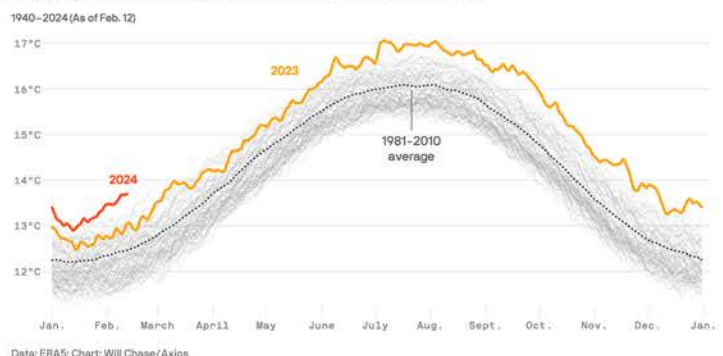
*Wine grapes scorched and desiccated in heatwave*

Increasing temperatures in agricultural areas globally correlate with a rise in extreme weather occurrences like heat waves. Among agricultural crops, vines are highly sensitive to weather fluctuations. While their capacity to reflect vintage variation adds to wine's allure, it also renders wine susceptible to the impacts of climate change.

## Weather extremes are increasing:



## Daily global average surface air temperature



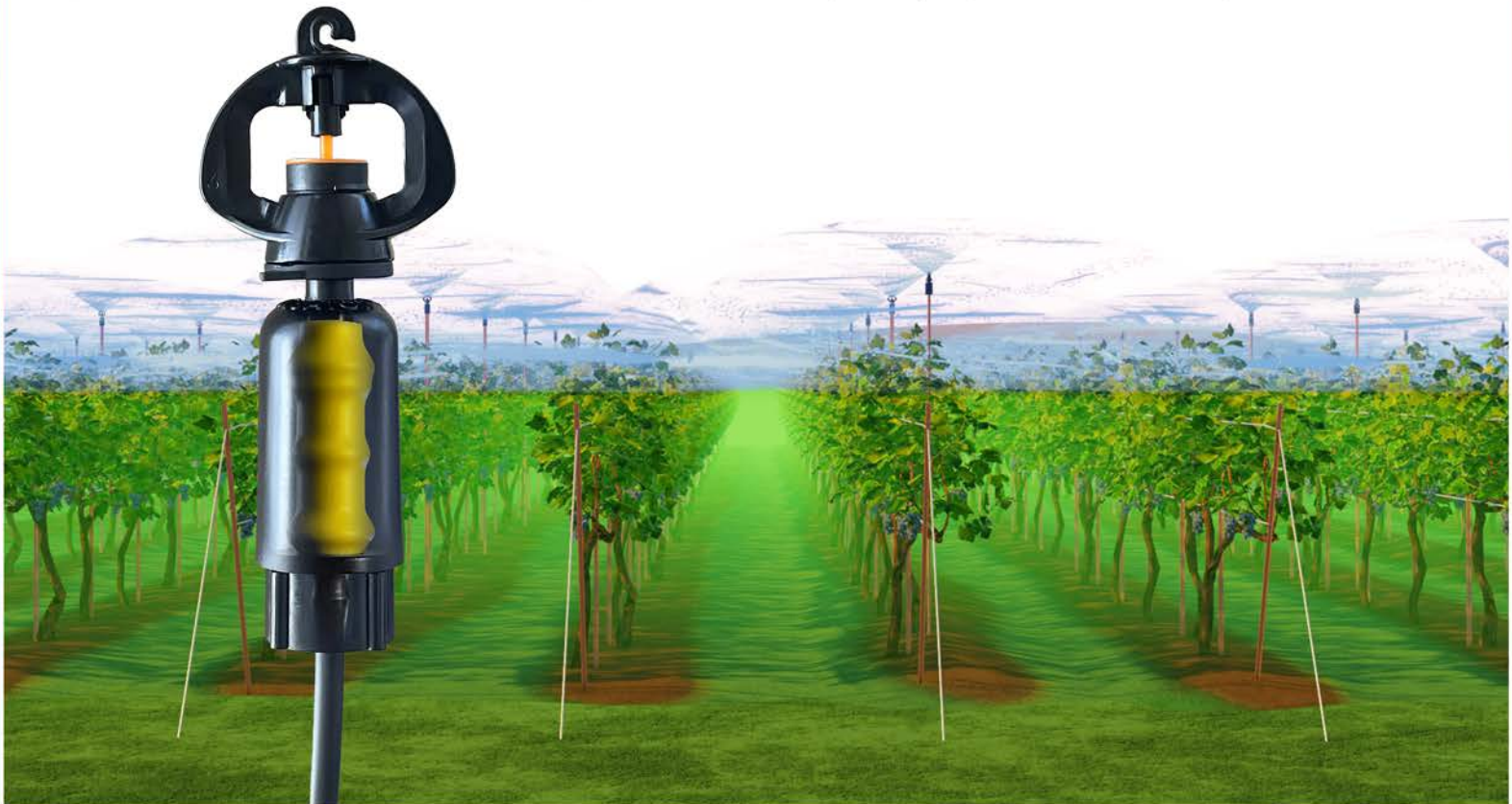
# The Pulsator 205 Solution:

**The Pulsator 205 is engineered with state-of-the-art features and innovative design, offering growers unparalleled protection against temperature extremes.**

The Pulsator 205 utilizes a patented silicon sleeve that slowly fills with water before ejecting it from the sprinkler head at high velocity. This creates an extremely efficient protective layer of water droplets around crops, insulating them from frost and providing evaporative cooling during periods of heat stress.



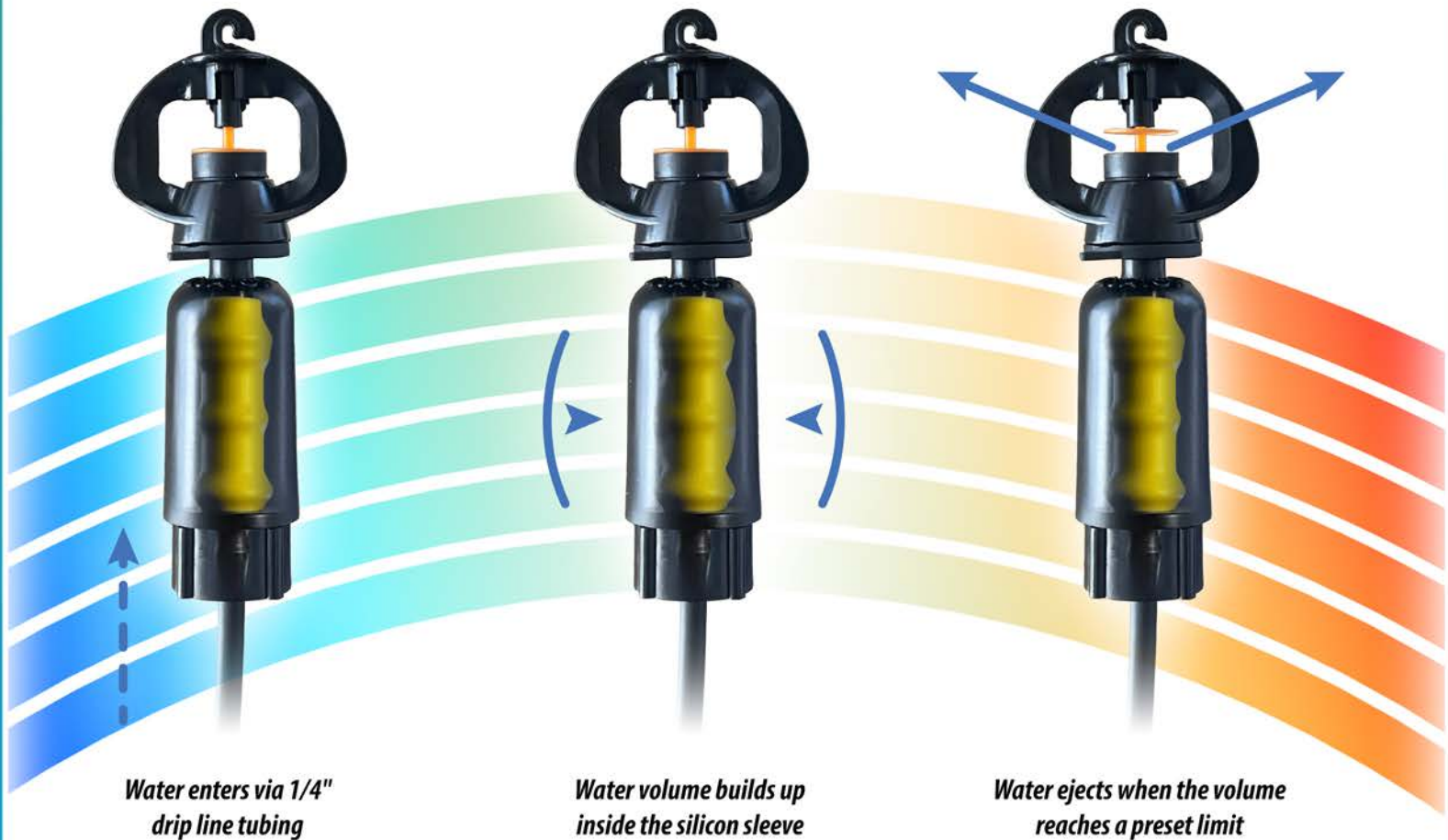
*The Pulsator 205 protects your plants from extreme temperatures*



*Igloo Effect created by The Pulsator 205 in frost and evaporative cooling "dome" over vines*

## How the Pulsator 205 Works:

The Pulsator 205 is simple and effective. When temperatures reach critical levels, it can be activated with an attached temperature triggered switch.



The Pulsator 205 is so water efficient it can cover your trees and vines without exceeding pump or volume limits.

In frost, when activated it forms a thin layer of ice around plants that acts as a natural barrier against cold damage.

In extreme heat, the Pulsator 205 uses evaporative cooling, releasing raindrop size water droplets that absorb heat energy from the surrounding air, keeping plants cool and hydrated even in the harshest conditions.

# Benefits of Using the Pulsator 205:

**The Pulsator 205 offers significant benefits to growers seeking reliable climate control solutions.**

By efficiently protecting crops from frost and heat stress, the system helps to minimize yield losses, ensure consistent harvests year-round, all while being cost-effective.



*The Pulsator 205 protecting a Sauvignon Blanc vineyard in Chile.*

The water-saving capabilities contribute to resource conservation and sustainability, making The Pulsator 205 a reliable, cost-effective, and environmentally friendly choice for modern agriculture.



*The Pulsator 205 protecting blueberries in frost-prone area.*

With easy installation and low maintenance requirements, the Pulsator 205 is a cost-effective investment that delivers tangible results.

# The Pulsator 205 for Extreme Temperature Protection:

**The Pulsator 205 is the only product specifically designed and available for agricultural climate control, offering growers a smart and effective solution for protecting their trees and vines from temperature extremes.**



*The Pulsator 205 is a cost-effective tool to safeguard your harvests for years to come.*

With advanced technology, cost-effectiveness, proven performance, and tangible yield benefits, the Pulsator 205 helps growers protect fruit trees and vines in the face of an increasingly variable climate.



# Pulsator 205 Success Stories:

Grower testimonials demonstrate the transformative impact of the Pulsator 205 on yields around the globe. From blueberries in Chile to vineyards in the United States, growers have reported significant improvements in crop yields after installing the system. By sharing these success stories, we aim to inspire and empower farmers to embrace the potential of the Pulsator 205 and take their agricultural operations to new heights.



## Cherry Grower:

"The Pulsator 205 allowed us to have an operational system to protect cherry tree crops against frost events."

- Francisco Salinas, Agricultural Manager, Agrícola Quilaco, Chile



## Blueberry Grower:

"The Pulsator 205 allowed us to replace inefficient and expensive methods of protecting our blueberries."

- Fernando Encina, Agricultural Engineer, Family Matetic, Chile



## Vineyard Manager:

"The Pulsator 205 has proven effective and hassle free."

- Roberto Pereira, Viticulturalist, Matetic Vineyard, Chile



## Avocado Grower:

"We tested the Pulsator 205 at almost 40° C and we have seen a tremendous improvement in avocado trees with regard to other systems."

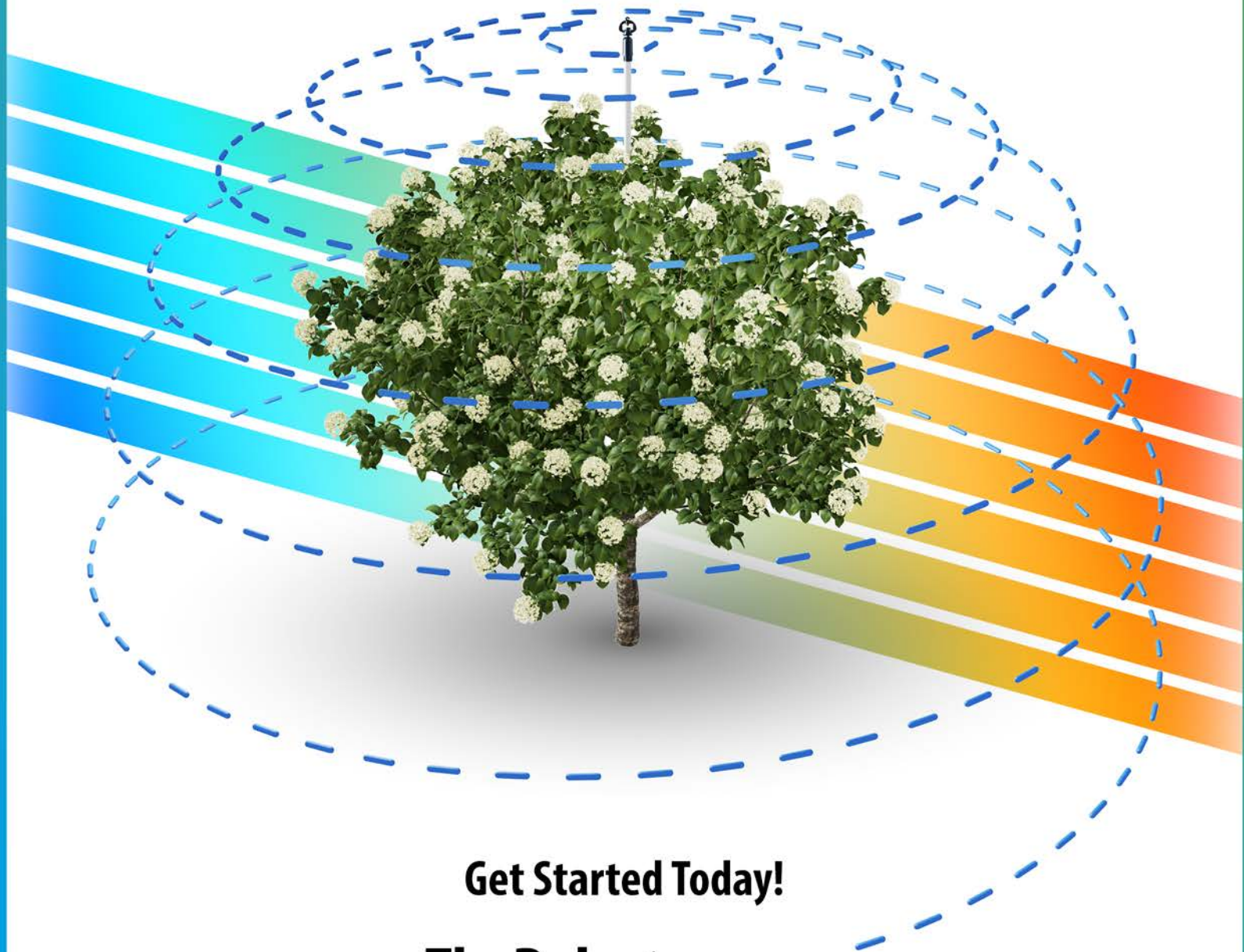
- Paco Pascual, Agricultural Engineer, Spain



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**Get Started Today!**

**[ThePulsator.com](http://ThePulsator.com)**