

# Adapting Lettuce for a Hotter Future.

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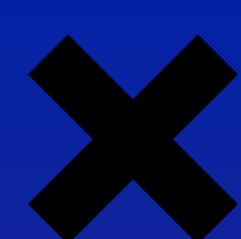


## Temperatures are in the rising

- Temperature rising is a natural process, but humans made it worse.
- Every year is “the hottest year reported”.
- In the future, it will be more difficult to grow plants.

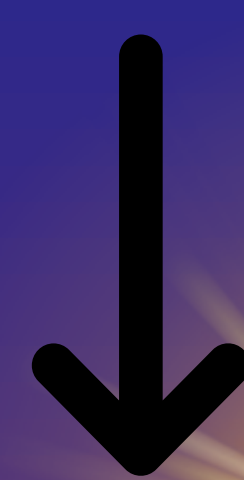
## How will warmer temperatures impact Florida growers?

- It is already affecting the growing season for the coolest crop! LETTUCE IS IN DANGER.
- Higher temperatures cause **stress** on plants.
- Shorter winters mean less production of leafy vegetables.
- Lower production/ lower quality/ total failure of cool-season crops like lettuce.



## What can the lettuce breeding team do?

- Mitigation.
- Use plant breeding to save lettuce.
- Develop new tolerant cultivars capable of thriving in warm temperatures.
- Keep innovating and being one step ahead of increasing temperatures.



## How are we keeping lettuce cool?

- Identifying heat tolerance in lettuces
- Understanding the critical time that lettuce is affected by heat.
- Developing methods to efficiently identify heat tolerance lettuces in the field.



And searching again and again and again. **Doing Research !! Because otherwise this would be...?**

