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Physiological screening for drought tolerance in Mediterranean long-storage tomato

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Research highlights

- Plant physiology of ten long-storage tomatoes was studied under no irrigation
- Positive relationship of leaf transpiration vs. relative water content was observed
- Inverse relationship of relative water content vs. proline was described
- Productivity during water stress was not correlated to increases in tissue proline content
- Leaf transpiration was the most reliable indicator for yield prediction

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