



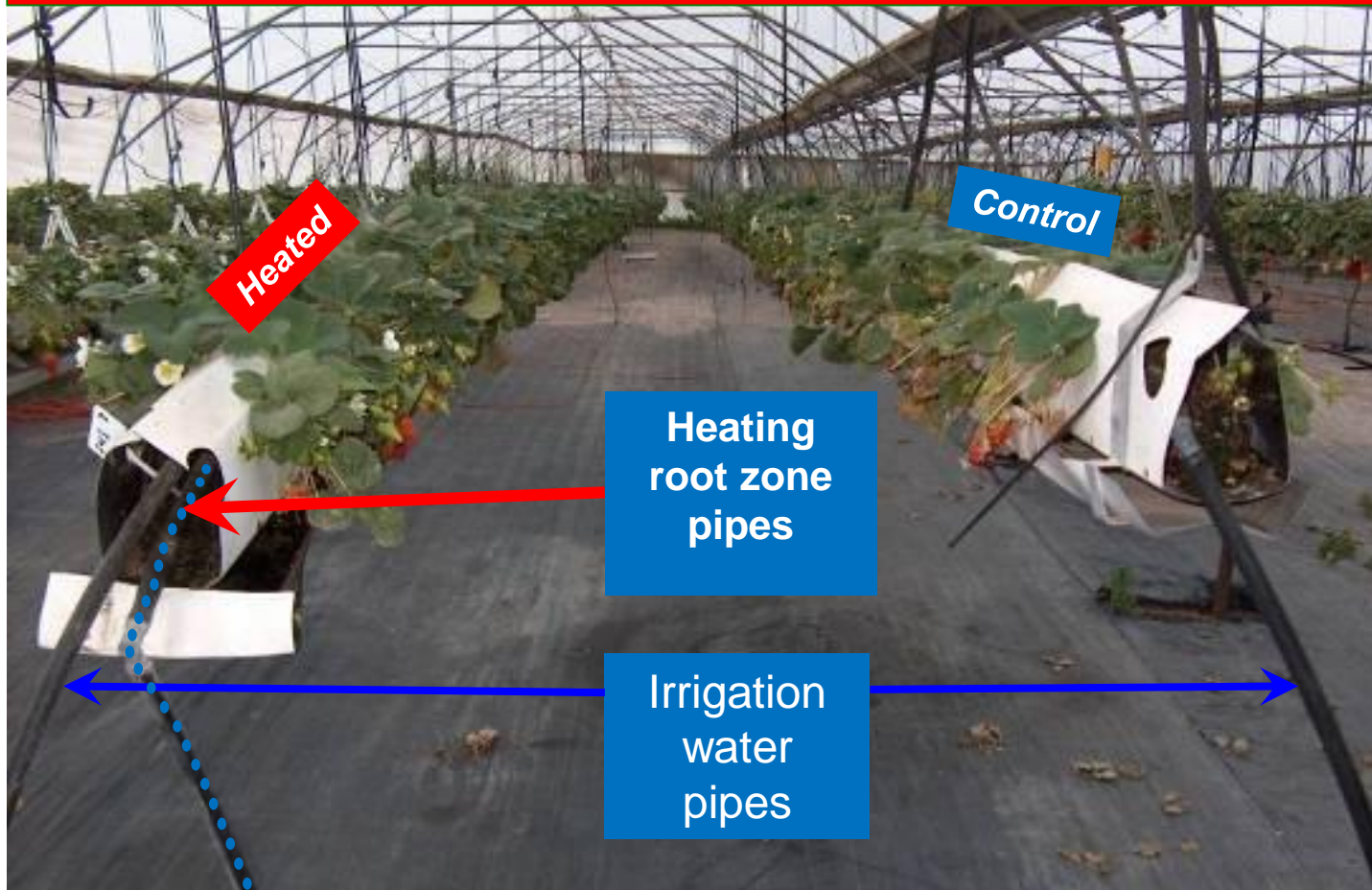
ROOTS

Sustainable Agricultural
Technologies Ltd.

Strawberries

Heating Israeli Strawberry^(*)

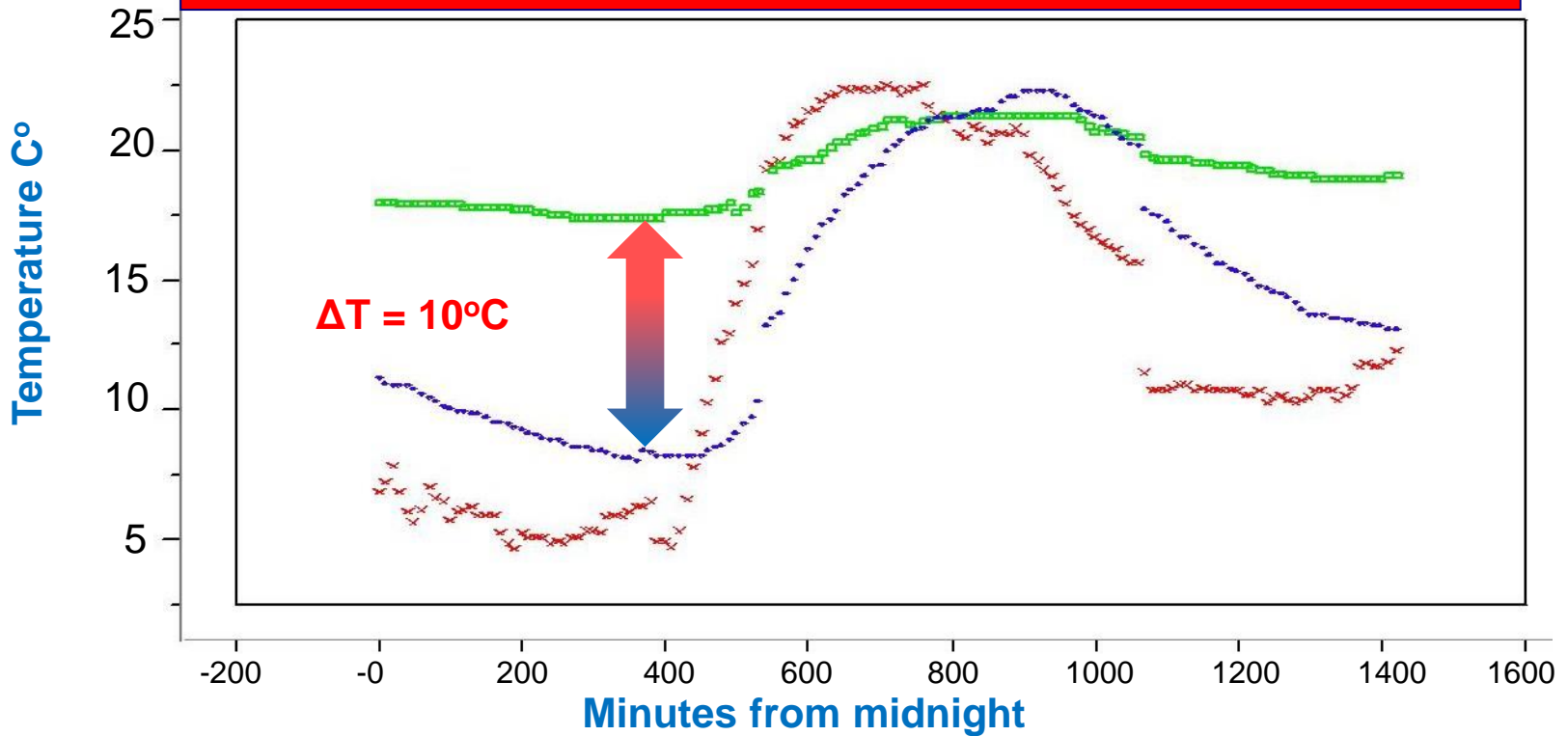
The system was able to maintain stable temperatures near the roots during cold winter nights



Heating Strawberries during Winter (*)

Soil temperature in elevated strawberry sleeves, experimental vs. control, recorded max. temperature difference 10.8°C

(at 1.2°C air temperature)



Green – heated roots, Blue - control roots, Red - Air temp

Heating Israeli Strawberry^(*)

Field Test Results

- Average production increase 25%
- Early maturity
- Less deformations
- No need for additional heating



RZT (Technology #1)

Heating Israeli Strawberry ROI Sensitivity Analysis II

Basic Assumptions

- Average revenue 7-10K NIS/Ton (*)
- Average yield: 6 Ton/Dunam/year (*)
- 50% of the additional revenues are the costs for picking, packaging and shipping (*)
- 25% increase in price due to early time to market
- RootsG1 costs/Dunam:
 - 16K NIS installation
 - Annual maintenance costs: 1K NIS

Year of return				
	Revenues [NIS]			
Production increase	7,000	8,000	9,000	10,000
10%	5.1	4.4	4.0	3.6
15%	3.4	3.0	2.6	2.4
20%	2.5	2.2	2.0	1.8
25%	2.0	1.8	1.6	1.4
30%	1.7	1.5	1.3	1.2

Comment:
Excluding the potential savings in air heating costs

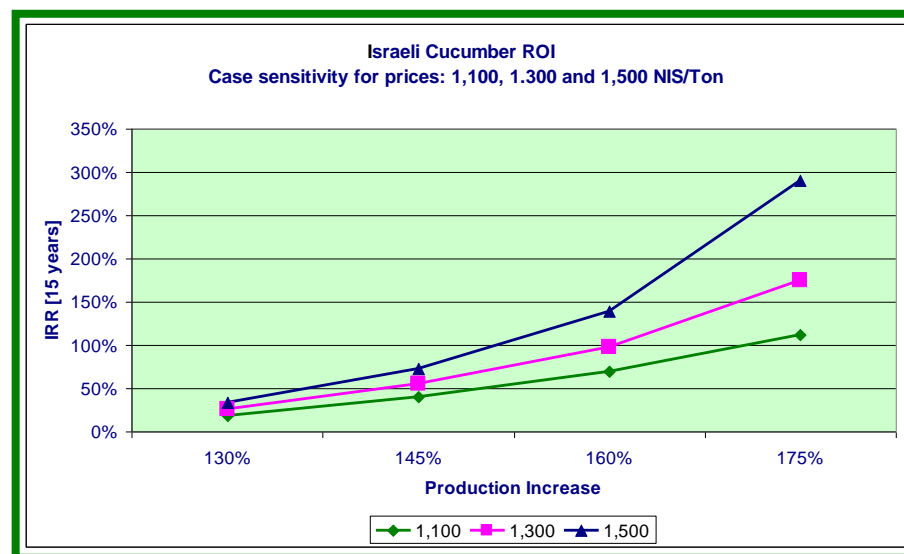
Rapid return on investment

RZT (Technology #1)

Heating Israeli Cucumbers ROI Sensitivity Analysis II

Basic Assumptions

- Revenues: 1.1-1.5K NIS/Ton
- Average yield: 23 Ton/Dunam/year
- 53% of the additional revenues are the costs for picking and packaging and shipping (*)
- RootsG1 costs/Dunam:
 - 16K NIS installation
 - Annual maintenance costs: electricity and root zone pipe installation 1K NIS



Comment: Although our results yielded a 240% increase in production, the analysis uses more conservative production increase figures

Very high rate of ROI to the farmer