



SOUTH AFRICA

Covering **1.2 million Km²** of land, South Africa has **seven climatic regions**, from mediterranean to subtropical to semi-desert.

1.3 million hectares are under irrigation.



1.3M hectares use irrigation



Water limitation due to uneven & unreliable rainfall



50% of South Africa's water is used for agriculture

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- Citrus fruit is a large exporter valued at over 1.5B, wine/grapes export is worth 1.3B
- 2018 was the third year in a row of climate-impacting drought, causing huge economically impacting effects on agriculture as many crops could not be irrigated to harvest.
- Using smart technology, to irrigate less amounts for all crops, could help alleviate stress levels in the water basin.

CROP TYPE	Production (tonnes)	Area Produced (hectares)
CITRUS	2,241,245	67,044
GRAPES	2,008,819	120,477
APPLES	918,085	24,036
SUGAR CANE	15,074,610	246,937
PEARS	433,105	12,933

Increases in Yields (per year)	Normal Yield (Kg per hectare)	Potential Yield Increases	Yield with SupPlant (Kg per hectare)	Potential Water Savings (%)
APPLES	38,196	10.2%	42,092	42%
AVOCADOS	5,214	2.3%	5,334	24%
CITRUS FRUIT	156,395	12%	175,162	33%
TOMATOES	76,887	5.5%	81,115	23%
PEACHES	17,484		17,484	48%

ROI - CASE STUDY

On average a farmer **spends 500 SAR per hectare per season** on irrigation. Based on previous results we have **saved a quarter of your water usage** over a season. For a farmer with 300 hectares, he would **save over 40,000 SAR** a season.

* While we believe that you can achieve these rates of success, this presentation of information is not a guarantee