What **2015** can tell us about the impacts of a DROUGHT in **2021**?

### 2015 DROUGHT

**FOOD SUPPLY IMPACTS**

540,000 acres idled

This is the equivalent of 937 square miles or the size of San Francisco, Los Angeles, and San Diego combined.

### WATER SUPPLY IMPACTS

Many farms have already had their water supply cut by up to 95%

**THEN:** In 2015, half of California’s irrigate land had a water supply of 20% or less. Almost one-third of the irrigated land had zero.

**NOW:** Many of the same areas in 2021 are facing a 95% cut. Early predictions for 2021 indicate reduced acreage, affecting supply and potentially prices at the grocery store.

### FEWER FRESH, HEALTHY, LOCALLY GROWN FOODS

Water supply reductions meant 540,000 acres were idled in 2015. That could have grown:

- **8.6 BILLION** Heads of Lettuce
- **594 MILLION** Cartons of Melons
- **54 MILLION** Tons of Grapes
- **27 MILLION** Tons of Tomatoes

### HOW DOES DROUGHT AFFECT OUR COMMUNITIES?

**Economic Loss of $2.7 Billion and 21,000 Jobs**

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<th>2015 JOBS AFFECTED</th>
<th>QUALITY OF LIFE</th>
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<td>Domestic Wells Go Dry</td>
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<td>Ports</td>
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### HOW ARE FARMS BEING MORE EFFICIENT?

Farmers invest in water efficient technology and infrastructure, including drip and micro-sprinkler irrigation, soil moisture monitoring, computerized irrigation controls, remote sensing, and more.

### CROP PRODUCTION & WATER USE

**EFFICIENCY GAINS: 1980 to 2015**

- **↓ 14%** Applied Water
- **↑ 38%** Crop Production

Source: Economic Analysis of the 2015 Drought For California Agriculture; 2015, U.C. Davis

Water Use in California; 2019, Public Policy Institute of California

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