



# HELPING FLORIDA'S AGRICULTURE INDUSTRY SAVE WATER AND MONEY

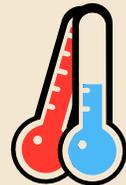
Since 1998, the *Florida Automated Weather Network (FAWN)* has been providing growers with accurate, by-the-minute meteorological data that can help them prepare for freezes, schedule irrigation, and understand long-term climate patterns. FAWN's cold protection and irrigation tools have been especially useful for Florida's citrus growers.

## Florida Agriculture

Florida's agricultural industry produces **\$160 billion** economic impact and **2.5 million** jobs.<sup>1</sup>

Florida crops **occasionally** require irrigation for cold protection in the winter, and **optimization of water use is critical** in Florida due to increasing competition for limited water supplies.

## Cold Protection



**1.8 billion** gallons of water per hour are required to protect Florida's citrus crop from cold.<sup>2</sup>

In a cold winter season, use of FAWN tools can save 14 hours of irrigation per week — **25 billion gallons** of water, or **\$13 million**.<sup>3</sup>

In a warm winter season, use of FAWN tool can save 4 hours of irrigation per week — **7 billion gallons** of water, or **\$3.8 million**.<sup>3</sup>

## Citrus Irrigation Scheduling

Growers testing FAWN's **Citrus Microsprinkler Irrigation Scheduler** tool used approximately **20% less water**.



Potential annual **savings** for small citrus growers (100 to 500 acres) are **\$3,300 to \$16,500**; for large growers (1,000 to 5,000 acres), **\$33,000 to \$165,000**.<sup>4</sup>

Potential annual savings for large corporate citrus operations are at least **\$330,000**.<sup>4</sup>

## Making an Impact

**62%** benefited from using FAWN tools by reducing costs/increasing dollar returns, reducing water usage, and/or saving crops from severe damage, or livestock from harm.<sup>5</sup>

