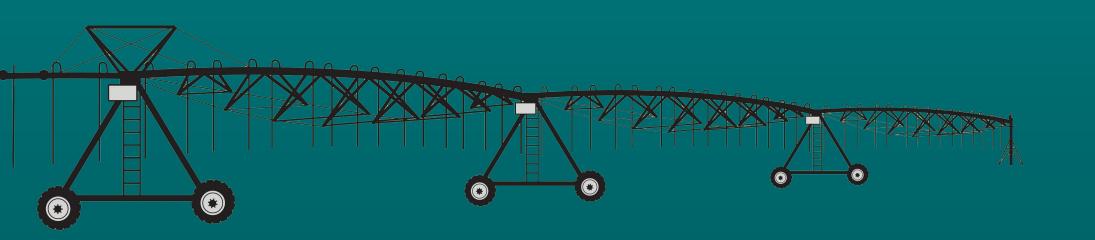
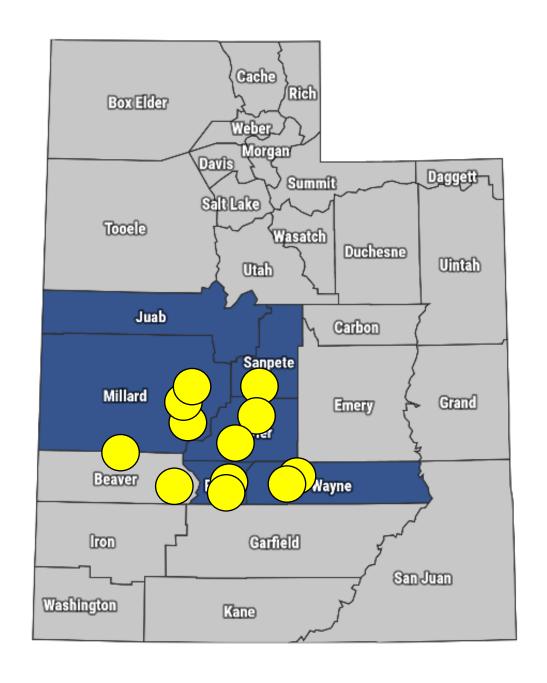
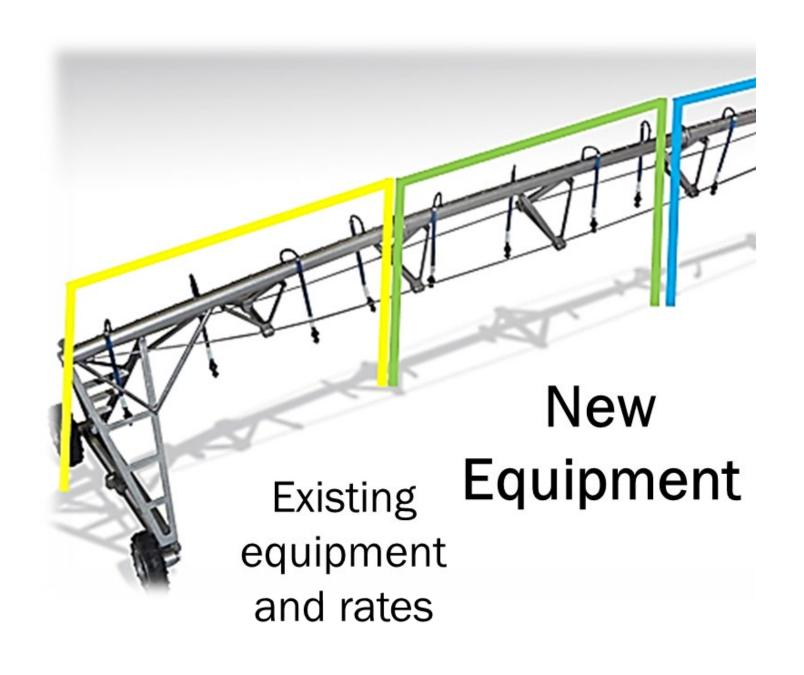
5 Irrigation Approaches for Improving Alfalfa Yield and Quality





Approach 1 New equipment



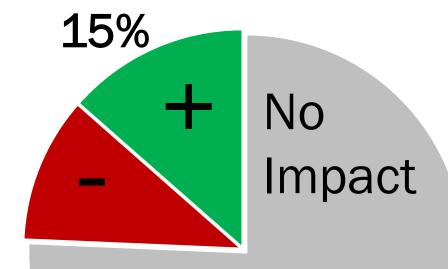


2019

2020

No

Impact

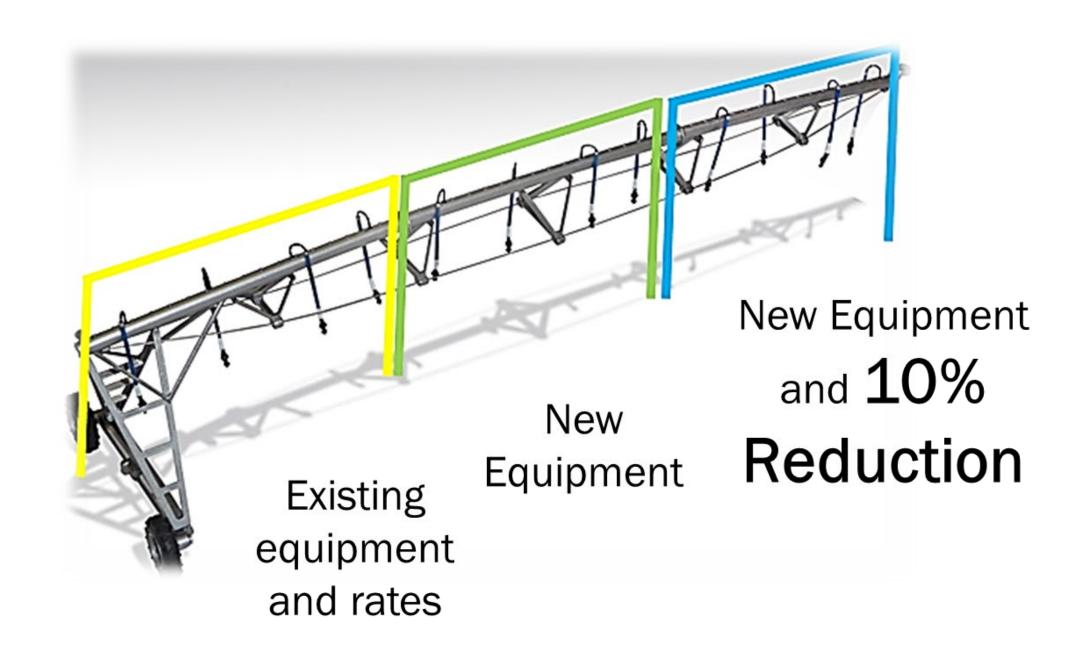


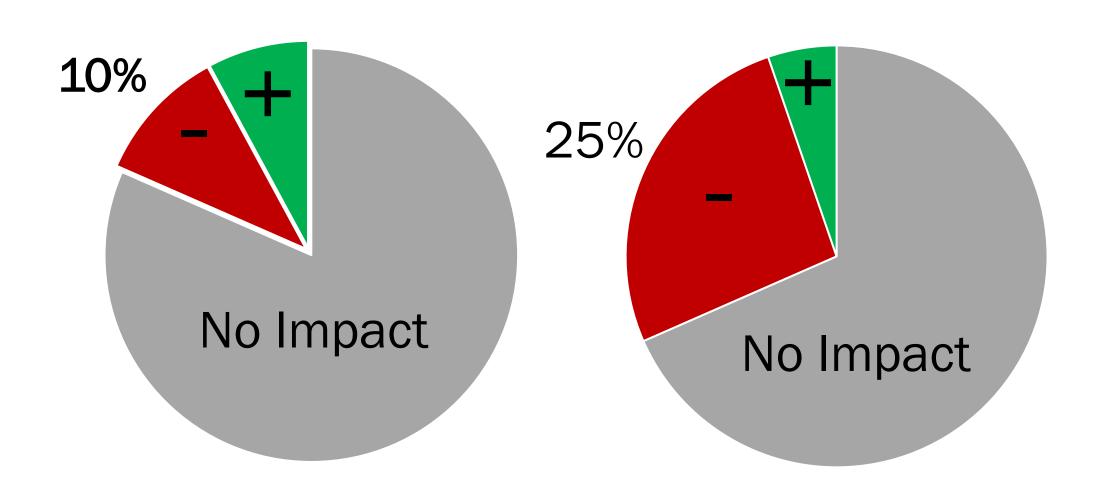
25%

37 alfalfa cuts on 12 farms

19 alfalfa cuts on 8 farms

Approach 2 10% less irrigation





Approach 3-5

Irrigation scheduling tools

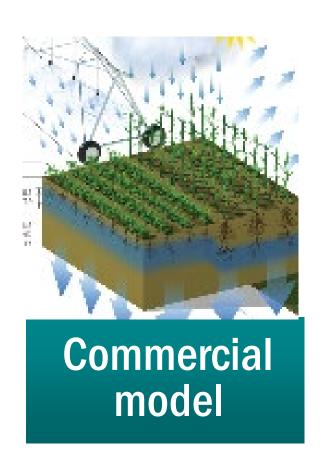
ADVANCED IRRIGATION SCHEDULING









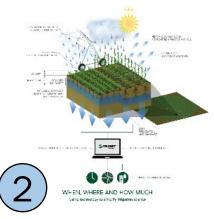




Trial Design



Soil sensors



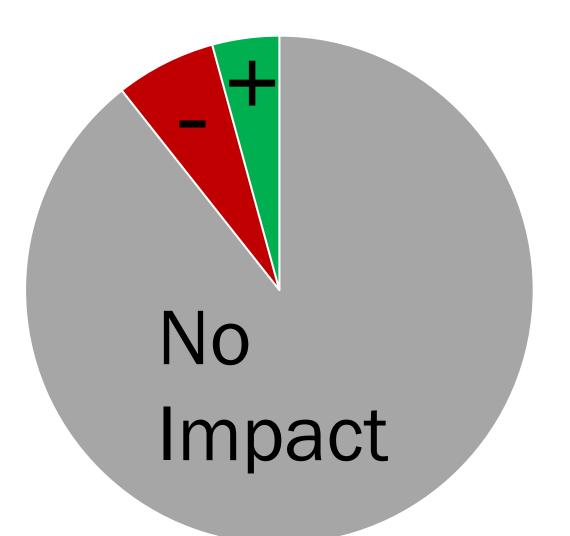
Commercial model





Weather stations Farmer experience

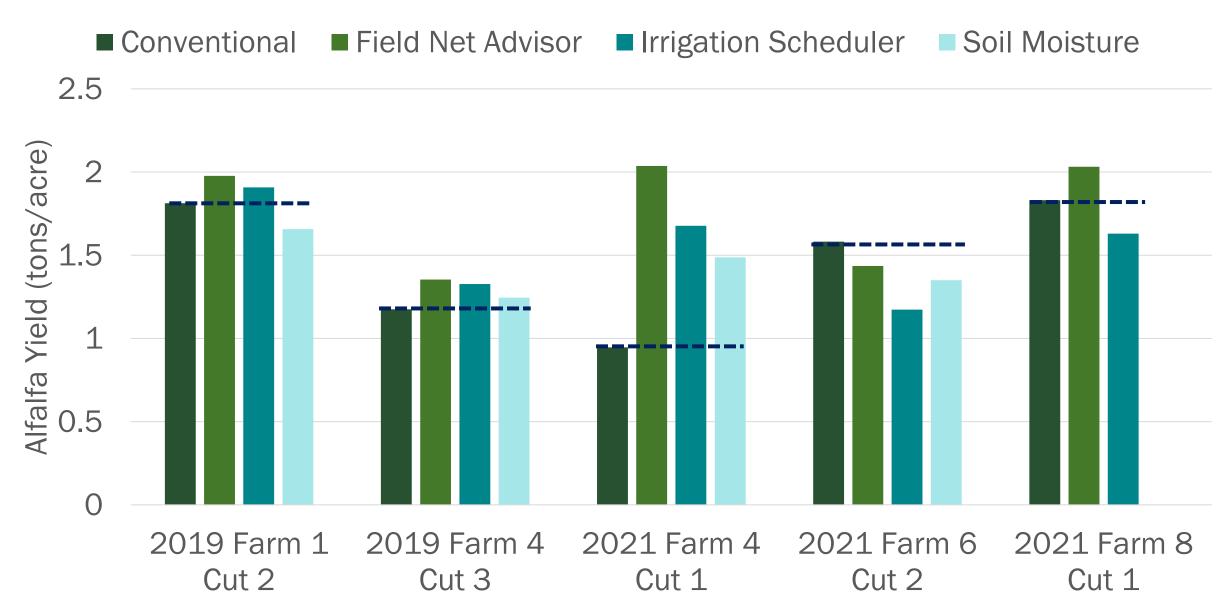
Yield affected only 10% of time



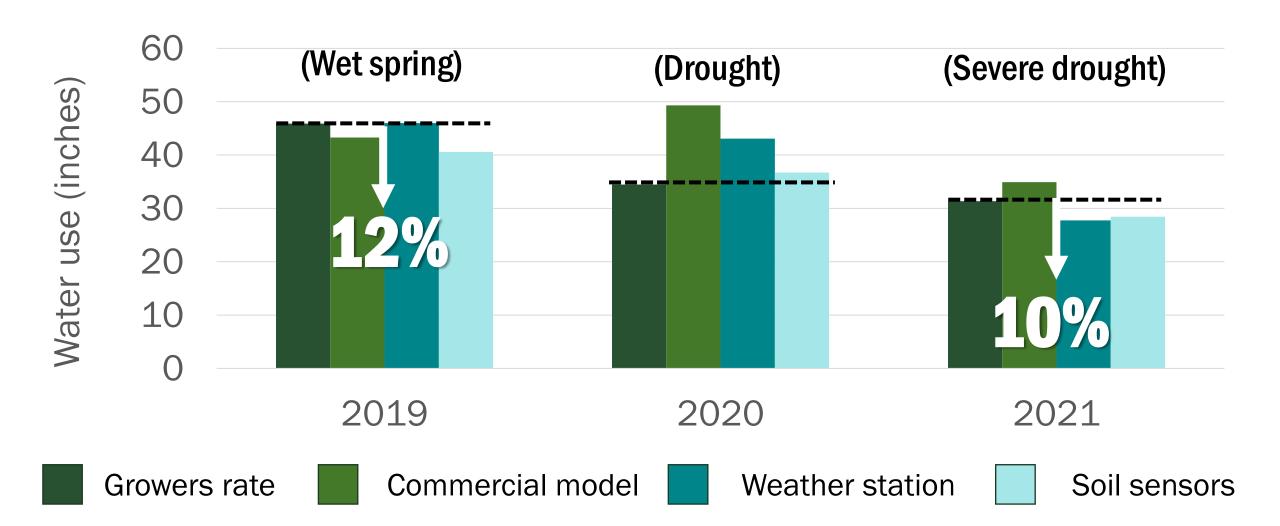
5 of 47 alfalfa cuts on 12 farms

2019 - 2021

Few and inconsistent benefits to yield



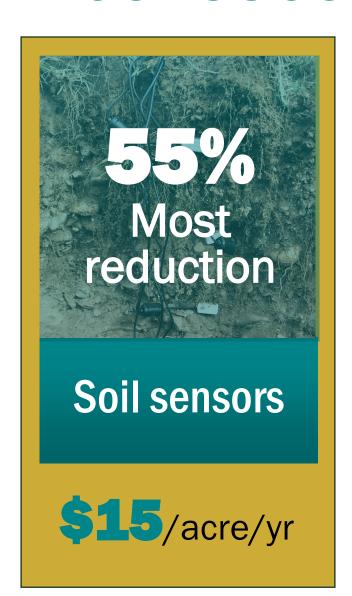
21 trials - 10-12% reductions possible

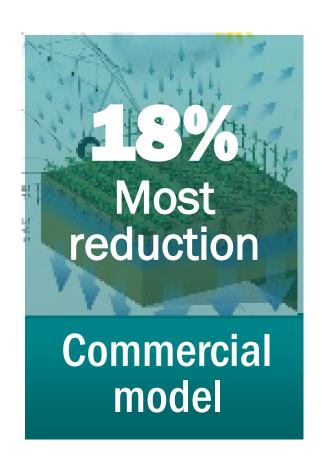


WHAT'S MOST SUCCESSFUL?



\$7/acre/year





\$15/acre/yr