



United States Department of Agriculture
Natural Resources Conservation Service

Energy Estimator: Irrigation Tool

User Input

State: **Colorado**
Irrigation System: **Flood**
Power Source: **Diesel**
Well Lift: **0 (ft)**
System Pressure: **25 (PSI)**
Energy Cost: **\$1 /gallon**

System Modifications

No Flow Meter
No Irrigation Scheduling
No Maintenance & Upgrades

Crop: **Alfalfa**
Acres irrigated: **1 (acres)**
Application: **64 (ac-in/ac)**

Seasonal Irrigation System						
Description	Water Use Analysis		Energy Costs Analysis		Pumping Plant Evaluation Added	
	Current Water Use (ac-ft)	Reduction in Water Usage (ac-ft)	Energy Costs (\$)	Energy Costs Savings (\$)	Energy Costs (\$)	Energy Costs Savings (\$)
Your System Today	5		\$37		\$32	\$6
Add Flow Meter to your system	5	0	\$37	\$	\$31	\$6
Add Irrigation Scheduling to your system	5	0	\$36	\$1	\$31	\$7
Add Maintenance and Upgrades to your system	5	0	\$36	\$1	\$31	\$7
Add Flow Meter and Irrigation Scheduling and Maintenance and Upgrades to your system	4	1	\$31	\$6	\$26	\$11

The above results are estimates based on NRCS models to help you understand your irrigation water and pumping usage on your farm. For site specific irrigation water and pumping recommendations, contact your local land grant university. Please visit your local NRCS office for additional assistance.

Reported was generated on Monday, February 20, 2023 5:51 PM, Mountain Time