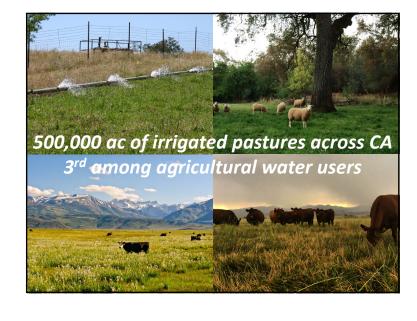
# Research & Resources to Support Irrigated Pasture Operators

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## **Irrigated Pastures**

- Critical resource for producers
- Key component of annual forage calendar
  - Provide management flexibility
  - Short-term alternative in drought
- Increased management efficiency = improved economic viability <u>and</u> environmental quality.



## **Irrigated Pastureland Enhancement Program**

- Cross-sectional survey of *on-ranch* strategies
- 35 sites, 23 producers (4,000 acres total) across CA
- Gradient of management intensity
  - Irrigation: wild flood pivot
  - **Grazing/harvest**: set stock rotation/haying
  - Nutrient: none (most) annual fertilization



#### **Monitoring and Demonstration Sites**

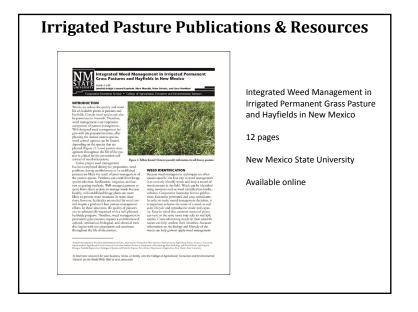
- Forage productivity/utilization
- Forage quality and plant community composition/diversity
- Soil nutrient and moisture conditions
- Management
  - Cooperators track livestock numbers, irrigation, fertilization
- Next: water use efficiency



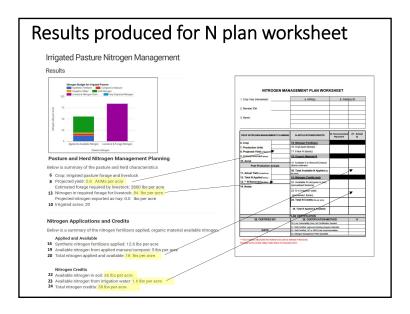












#### Calculating N budget **Pasture Variables** Supporting Working Landscape · Irrigated pasture area Irrigated Pasture Nitrogen Management & Planning Irrigation water nitrogen Available soil nitrogen Fertilizer • Synthetic or Organic Formulation Classes of livestock Species · Age class Number livestock per class · Grazing days per class for crop year

