



# **Dairy Industry Overview**

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the Board**

**United Dairymen of Arizona**

# Arizona Dairy Economic Impact

- **Total Economic Impact**

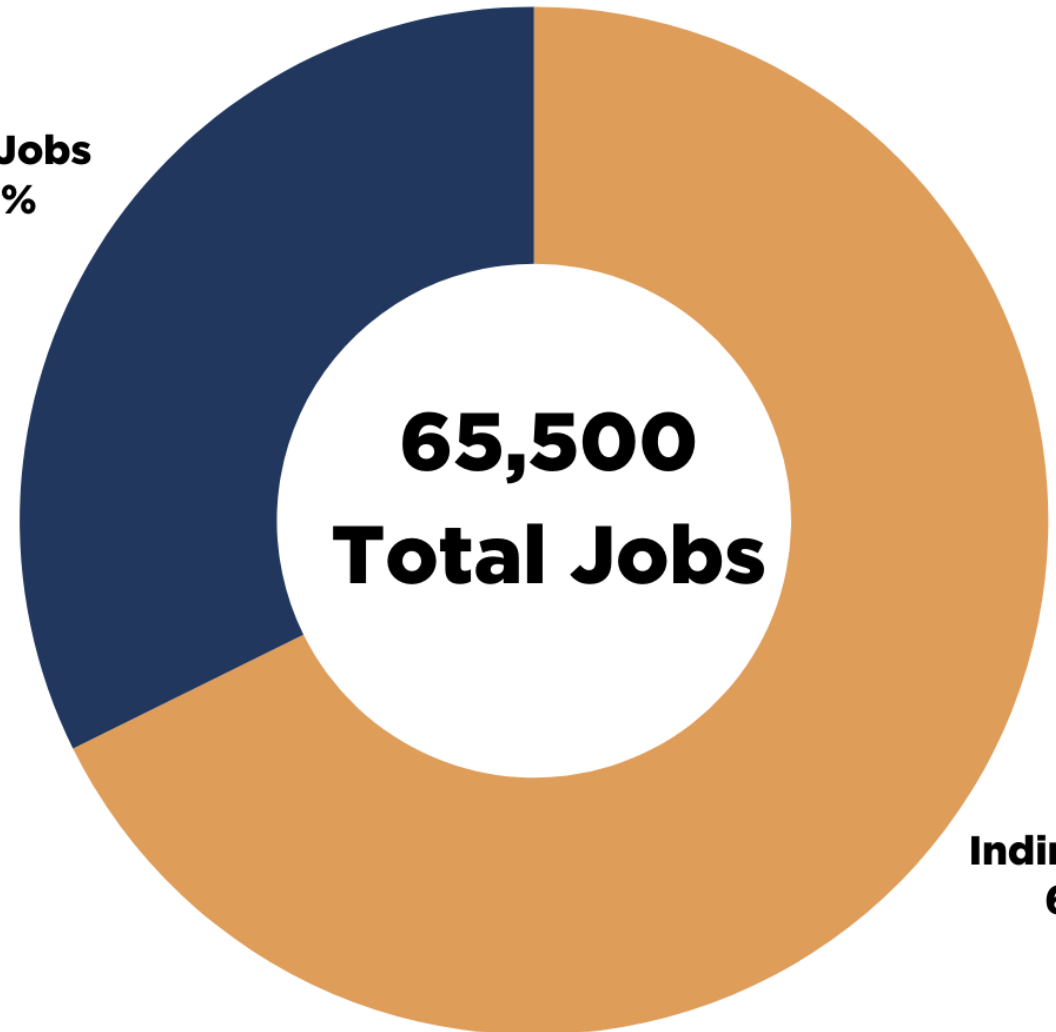
**\$14.8 B**



# Arizona Dairy Economic Impact

## • Total Jobs

Direct Jobs  
32.3%



Indirect Jobs  
67.7%



# Arizona Dairy Economic Impact

- **Exports**



# Water Use for Crops

- **Irrigation**

- Drip | Subsurface | Direct Delivery | Pivots
  - Minimizes evaporation and runoff

- **Crop Selection**

- Drought tolerant varieties of sorghum and alfalfa



# Water Use for Crops

- **USDA Funding**

- \$30 M to CAIDD & MSIDD for water savings projects
  - Develop and implement water saving strategies alongside farms





# Water Use for Crops

- **Robert Boyle Farms, Casa Grande**
  - Grant funding for Strip Tilling
  - 34 – 38% annual water savings



# Water Use for Cows

- **Advanced Manure Management**
  - Solid liquid separation systems
  - Anaerobic digesters
- **Water Reuse**
  - CIP in milk parlors
  - Flush lanes
- **Technology & Housing**
  - High efficiency cooling systems
  - Shade Structures





# Water Use at the Cooperative

- **Reclaimed Water**

- 40% of water use in plant is reclaimed cow water

- **Projects**

- Landscape conversion to low water
- UV treatment
- Lactoferrin caustic reuse program

- **Farm Collaboration**

- Treat dairy solids through on farm wastewater treatment to decrease load weights.



# Questions?

