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### Abstract

The Innovative Agriculture and Marketing Partnership (IAMP) of Idaho, spearheaded by the University of Idaho and supported by a \$55 million grant from the U.S. Department of Agriculture, aims to revolutionize farming practices across 200 farms. This collaborative initiative focuses on integrating climate-smart practices such as cover cropping, targeted grazing, reduced or no-till methods, interseeding, precision fertilizer application, and biochar soil amendment. Farmers are incentivized to adopt these practices, with University of Idaho researchers monitoring their impact.

The project promotes a tailored approach where farmers select practices from an approved list, catering to their specific needs. IAMP-Idaho seeks a dual impact: reducing greenhouse gas emissions for climate benefits while enhancing sustainability and profitability for growers. This effort involves a diverse coalition including Tribes, underserved communities, commodity commissions, and major companies, embodying a comprehensive strategy for sustainable agriculture.

Central to IAMP-Idaho's strategy is its Education and Outreach Team comprising UI Extension Educators and participating Tribes across Extension Districts. They facilitate knowledge dissemination through grower's meetings and field days, showcasing IAMP research efforts and fostering additional outreach opportunities. The team administers a \$320,000 IAMP Extension Mini-Grant program, funding 1-year, Extension-led projects supporting the IAMP mission. Initial outreach efforts have already yielded over 200 farm enrollments and funded three mini-grant projects.

Looking forward, the grant supports IAMP field days scheduled at University of Idaho Research and Extension Centers in the summers of 2025, 2026, and 2027. Future outputs include UI Extension Bulletins detailing climate-smart practice implementation across Idaho's diverse production environments. IAMP-Idaho exemplifies a model partnership driving sustainable agriculture, harmonizing environmental stewardship with economic viability and community engagement.

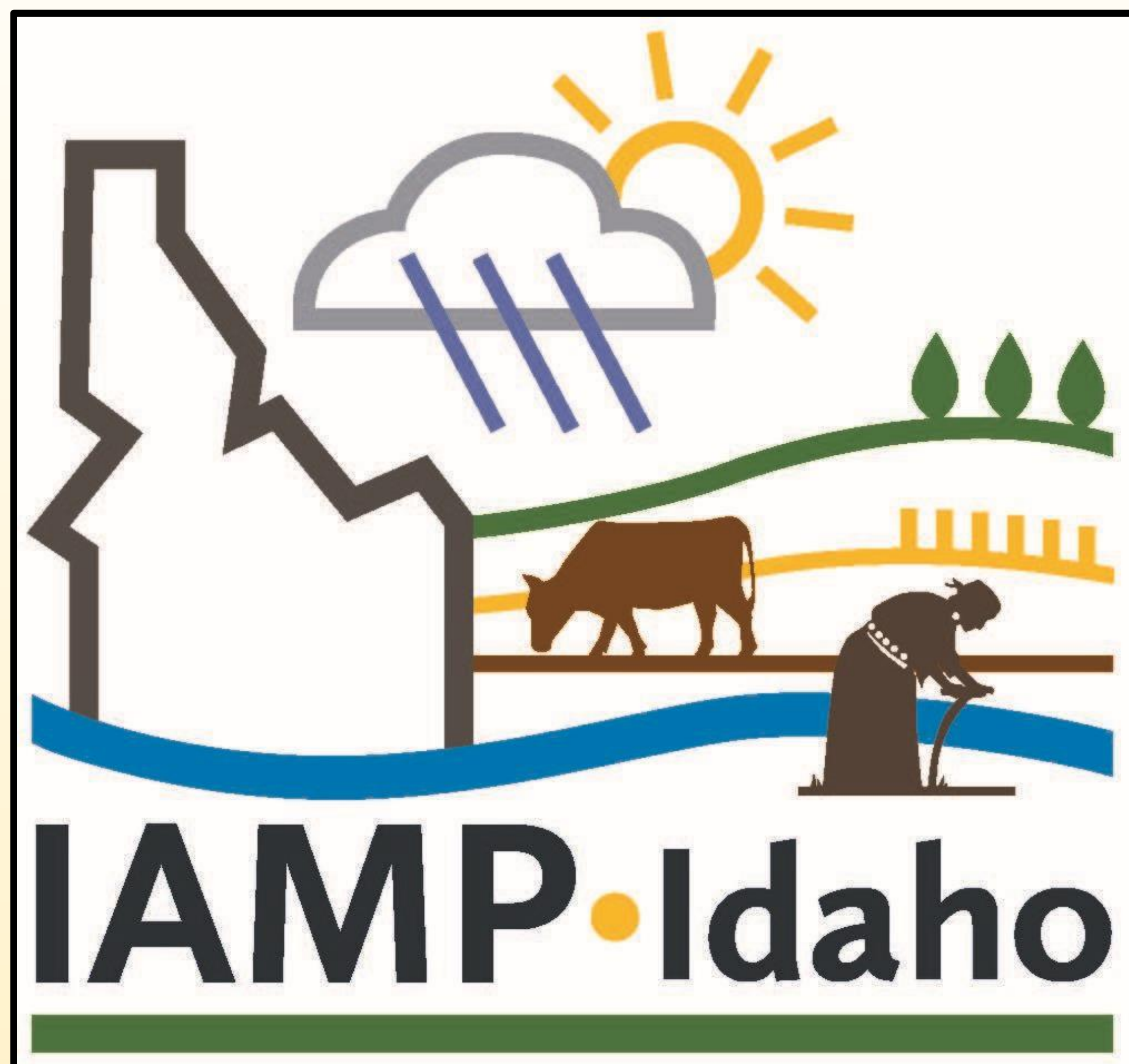
### Funded Practices



- Cover cropping, grazing eligible
- Reduced and no-till farming
  - Inter-seeding legumes
- Precision fertilizer application
- 15% or more nitrogen fertilizer replacement with composted manure
- Biochar as soil amendment

### Monitoring & Research

- Four benchmark farms will be developed to continually monitor greenhouse gases (GHG) and performance of target crops under climate smart (CS) management.
  - Producers will sign up with partner organizations and receive payments to offset the cost of adopting CS
  - All sites will be distributed to provide adequate data for modeling GHG emissions in each of Idaho's eligible commodities production regions.



### Eligible Commodities



Joseph Sagers, Jefferson & Clark County Extension Educator and IAMP Eastern Extension District Team Lead discusses a cover crop forage trial at an IAMP field day hosted at the Nancy M. Cummings Research and Extension Center near Salmon, ID.

### Producer Incentives & Support

- \$38-74/acre/year incentives; multi-year contracts; practice stacking may increase incentives
- Extensive documentation of practices and management

### Project Significance & Strategy

- Uniting producers, public, private, and non-profit sectors
- Addressing current lack of robust research into CS farming practices as implemented in some of Idaho's major agricultural commodities

### Expected Overall Project Outcomes

- Significant reduction in CO2 emissions (60,000 tons CO2eq/year)
- Offsets 6,000,000 gallons of gasoline consumed
- New and strengthened supply chains and markets for CS Idaho Commodities
- Enhanced assessment tools for GHG mitigation in major crops
- Extensive resources and publications on CS farming impacts
- Refined models for GHG and soil carbon storage estimation
- Online tools for decision support regarding CS practices
  - Increased integration of grazing into commodity crop production systems

### Outreach & Education Outcomes

- IAMP topics at 6 winter grower's meetings
  - IAMP participation in 2 field days, UI Aberdeen R&E center and Soil health field day with the Nature Conservancy of Idaho
  - IAMP Cover Crops & Grazing Demonstration Field Day at Salmon, ID
  - IAMP materials developed in Spanish
- IAMP Poster shared at regional cropping systems conference; Northwest Intertribal Agriculture Conference
  - 3 funded IAMP Extension Mini-Grants supporting potato & quinoa rotation & direct marketing, intercropping pea & potato for disease suppression & development of A.I. assisted agriculture themed podcast

### Outreach & Education Future

- Producer contracts being signed and practices implemented in 2025
- IAMP Extension Team planning field days and meetings to highlight producer experiences in 2025, 2026 & 2027
- IAMP Extension Team working to integrate IAMP funded graduate students into public facing educational opportunities/experiences
  - IAMP Extension Mini-Grants to award in 2025, 2026, 2027
- Share IAMP outcomes & impacts at local, regional & national conferences
- Producer Extension materials on IAMP practice implementation in diverse Idaho farming systems

Learn More at [IAMP.UIDAHO.EDU](https://IAMP.UIDAHO.EDU)

