

# OAP preplan Rating Form



## Criterion 1: Program Impact Potential

**Weight: [40%]**

- Does the preplan address issue(s) related to a sub-objective of the OAP:
  - 1) Develop and evaluate water management strategies and technologies, including dryland cropping systems, that could reduce water withdrawals for irrigation while maintaining and/or enhancing the economic viability of the agriculture industry and the vitality of the Southern Ogallala Aquifer Region.
  - 2) Develop and evaluate management strategies and technologies that would increase the productivity and profitability of forage or other short-season cropping systems that reduce or eliminate water withdrawals.
  - 3) Improve the understanding of hydrological and climatic factors that affects water use and economic profitability, and provide estimates of the climatic, hydrologic, cropping, and profitability conditions that are likely to occur on the southern High Plains over the next 50 years.
  - 4) Determine the impacts of alternative water withdrawal/use policies on the economic viability of the agriculture industry and the vitality of the Southern Ogallala Aquifer Region.
  - 5) Best management practices for alternative crops that increase the sustainability of dryland farming or high value crops that maintain farm income with decreasing pumping from the Ogallala Aquifer.
- Does the preplan address a critically needed information or technology gap that addresses OAP objective(s)?
- Does the preplan address an innovative and/or creative solution to water conservation, and/or crop water productivity?
- Does the preplan create or synthesize knowledge from different scientific disciplines?
- Does the preplan either create information or advance technologies that address issue(s) across the Southern Ogallala Aquifer region?

## Criterion 2: Technical Approach

**Weight: [30%]**

- Degree to which the proposed preplan is clearly stated and organized as an indicator of the potential to complete planned research adequately for the stated objectives
- Adequacy of the identified research individual (or team) to complete stated objectives
  - Adequacy of PI to lead the proposed research
  - Involvement of stakeholders where appropriate
- Adequacy of existing facilities, resources to complete the stated objectives; does the proposed research leverage existing resources (physical and human)?
- Is the requested amount appropriate for the proposed work?

## Criterion 3: Plans to Facilitate Expected Outcomes

**Weight: [30%]**

- Would the proposed outcomes be facilitated by an economic assessment and does the preplan adequately describe such an economic assessment?
- Has the team developed a plan for dissemination of developed knowledge and/or technology to end users that is appropriate for the research being conducted?
  - Are stakeholders and/or extension specialist(s) part of the team?