

Potential Questions For Consideration of Peer Review of Agricultural Water Use Efficiency Studies

How does geographic location affect the effectiveness of WUE implementation on recoverable and non-recoverable savings?

Are all the effects/results of WUE implementation fully documented and/or quantified? This could include reductions of applied water, reductions of non-recoverable water, reduction of recoverable water, changes in instream flow and timing, groundwater recharge, water quality, energy use, etc.

How is the relationship of basin-efficiency and on-farm efficiency considered, or how should it be considered?

Are reductions in applied water that can affect instream flows evaluated appropriately as an environmental benefit? If the increased instream flows occur at a time when it is not beneficial, it isn't recoverable water unless it can be stored for later use.

Are appropriate economic analyses and criteria used to document impacts of WUE implementation, including the cost effectiveness of the measure?

Is the terminology fully documented and used consistently and applied appropriately throughout the study?

When quantifying water savings of WUE implementation, are the research studies (used in the quantification of the savings) appropriate for the quantification, or are there other newer or more relevant research available for use? Or is there a need for more research to aid in quantification?