

Why are growers likely to adopt WSIN?

There are three main reasons why growers may choose to invest in a sensor network:

- 1) **Monetary savings** – Sensors have been shown to reduce production time, inputs (water, fertilizer etc.) and labor for irrigation.
- 2) **Provide information that is not currently available** – sensor information is very accurate, is available in real time using a variety of devices (computer, smartphone, tablets etc.), and the information is provided as a number (for example % volumetric water content) so it is easy to understand. This allows growers to make better decisions.
- 3) **The use of sensors has environmental benefits** – sensors can reduce environmental impacts through reductions of in the application of water and nutrients, and in the emission of carbon dioxide. These reductions can either be on farm (gas or diesel irrigation pumps, reduced groundwater pumping, etc.), or through reduced outputs from the grid energy (coal, nuclear, etc.).

