

## Attachment C

### Technical Capability

#### Applicants Expertise:

Aquaspy provides invaluable support to farmers by offering weekly guidance on irrigation practices, ensuring that farmers can effectively utilize the technology to its fullest potential. With Aquaspy's expert guidance, farmers receive personalized recommendations tailored to their specific crop and field conditions. These recommendations help farmers make informed decisions regarding irrigation scheduling, ensuring that water resources are utilized optimally while minimizing wastage. By providing ongoing support and advice, Aquaspy empowers farmers to harness the full benefits of irrigation technology, ultimately enhancing crop yields, conserving water, and promoting sustainable agricultural practices.

#### Program Details

Implementing soil moisture probes across five pivots allows for comprehensive data collection across different areas of the farm, enabling farmers to leverage this information to optimize irrigation practices across their entire operation. By strategically situating the probes, farmers can gather insights into soil moisture levels at various locations, facilitating more precise irrigation management tailored to specific field conditions. This holistic approach ensures that irrigation decisions are based on accurate, real-time data, leading to improved water efficiency and crop health. With consistent monitoring and analysis of soil moisture levels across multiple pivots, farmers can identify trends and patterns, allowing for proactive adjustments to irrigation schedules and strategies. Ultimately, the integration of soil moisture probes across multiple pivots enhances the farm's overall irrigation management, maximizing water utilization and promoting sustainable agricultural practices.

## Expected Life

If we observe tangible benefits from the implementation of soil moisture probes in the first year, we are committed to continuing this practice to enhance our farm's irrigation management over the next five years and beyond. The data collected from these probes will provide valuable insights into soil moisture levels, enabling us to make informed decisions regarding irrigation scheduling and water management strategies. By leveraging this information, we can optimize our irrigation practices to ensure that crops receive the right amount of water at the right time, leading to improved yields and resource efficiency. If the initial results demonstrate significant improvements in water utilization and crop performance, we will view it as a clear indication of the effectiveness of soil moisture monitoring and will prioritize its continuation in our farm management practices moving forward. This long-term commitment underscores our dedication to sustainable agriculture and the responsible stewardship of our land and water resources.

## Maintenance Plan.

At Aquaspy , we understand the importance of maintaining optimal performance and accuracy in soil moisture monitoring systems. As part of our commitment to providing comprehensive support, we offer an annual maintenance plan to ensure that our clients' soil moisture probes remain in peak condition. Our maintenance program includes regular inspections and diagnostics to identify any potential issues or calibration discrepancies. If necessary, we will promptly replace or update the probes to ensure accurate and reliable data collection. Additionally, our team will provide ongoing technical support and guidance to address any questions or concerns that may arise. By proactively maintaining and updating the probes as needed, we can guarantee the continued effectiveness and reliability of our soil moisture monitoring systems, enabling farmers to make informed decisions about irrigation management and optimize their crop yields.