

Attachment C

Technical Capability

Applicants Expertise:

Our operation we have raised high yields because of the risk we are willing to take on new technology. We may not have a track record with drones, but that isn't stopping us from trying this technology on our operation. We will do research to find the most economical way to apply these nutrients and pesticides on our operation. Currently we have Self propelled sprayers and latest technology and GPS on all of our equipment. The adoption of Application Drones is not a challenge or worry on our operation.

Program Details

Jeff Johnson Farm will use the drone to treat our acres and neighboring acres to help promote technology adaptation. Our plan is to run research on 100 acres of different fertility plans and pesticide applications to help develop a system to implement on our 3000 acres.

Expected Life

We are planning on this system lasting us for 10 years. We see that with our daily checks and getting replacement consumables to be no issue. We have always taken the best care of our machinery and have allowed us to be profitable in doing so.

Maintenance Plan.

To maintain the optimal performance and longevity of our spray drones, we have implemented a rigorous maintenance protocol. Before commencing each field operation, our team diligently checks and tightens all propellers and screws to ensure secure assembly. Additionally, we prioritize battery safety by replacing batteries after every load to mitigate the risk of drone loss due to battery depletion. Daily inspections are conducted on the drone's arms to confirm safe takeoff and flight, ensuring the safety of both workers and bystanders. On a weekly basis, thorough examinations of the pumping motor and lines are conducted to preemptively address any potential leaks or inaccuracies in readings. By adhering to these maintenance protocols and budgetary provisions, we guarantee the continued reliability and effectiveness of our spray drone operations.