

Attachment G

Economic Benefit

By reducing expenditure on traditional application methods and maximizing revenue through efficient drone spraying, a substantial portion of funds is retained within the local community. This influx of capital circulates within the local agricultural sector, supporting businesses, suppliers, and service providers, thereby fostering economic growth and stability. Moreover, keeping money local helps the resilience of the agricultural economy, creating employment opportunities and sustaining livelihoods within the community. The financial benefits derived from drone spraying operations contribute to the vitality and prosperity of the local agricultural economy, ensuring its continued vibrancy for years to come. es that foster economic growth, resilience, and prosperity for years to come.

Continued Economic and Technological impacts.

Drone technology represents a compelling gateway to ignite the interest of the next generation in agriculture. By leveraging drones as a tool for precision farming and data collection, farmers can showcase the intersection of cutting-edge technology and traditional agricultural practices, sparking curiosity and engagement among young individuals. The dynamic and innovative nature of drone technology appeals to tech-savvy youth, offering them a tangible and exciting glimpse into the modern agricultural landscape. Furthermore, integrating drones into farm operations opens up avenues for interactive learning and skill development, as young enthusiasts can actively participate in drone piloting, data analysis, and decision-making processes. This hands-on involvement not only fosters a deeper understanding of agricultural practices but also instills a sense of ownership and pride in the farm's operations. Ultimately, by embracing drone technology, farmers can attract and inspire the next generation, cultivating a renewed interest in agriculture and securing the future vitality of their farms.

Water Conservation-

Spray drones play a pivotal role in safeguarding water quality for groundwater in Nebraska by minimizing the use of pesticides and fertilizers, thus reducing the risk of chemical runoff and contamination. Through precise and targeted application, spray drones ensure that agricultural inputs are applied only where needed, minimizing excess runoff into water sources. By optimizing the use of chemicals, spray drones help prevent the leaching of harmful substances into groundwater, preserving its quality for both agricultural and community use. Additionally, the efficiency of spray drones reduces the need for large-scale equipment and manual application methods, further mitigating soil erosion and runoff, which can negatively impact water quality. By promoting responsible and sustainable agricultural practices, spray drones contribute to the preservation of Nebraska's groundwater resources, ensuring their availability and quality for future generations.