

TECHNICAL SUMMARY

With my schooling and work in the field I will be able to spray, track, and report yield increases on pasture and cropland. I'm foreseeing with the introduction of the spray drone customers will see a service that is giving back to the producer. With this system we will start seeing pastures that have been neglected and overgrown in various weeds that do not allow the proper grasslands to keep regenerating.

PROJECT DETAILS

Barney Precision Ag, LLC is planning on spraying 5000 acres this fall with a projected minimum of a 10% of acre growth per year. The first year out is focusing on booked acres from 3 different partners in the Bloomfield area. With the spray drones becoming so popular, many producers in the area are starting to request this service with the different Cooperatives in the area. Barney Precision Ag, LLC believes in the growth of technology. With that being said, upgrading to newer technology with the drones will be done yearly, unless no added advancements happen with the drone technology.

MAINTENANCE PLAN

The maintenance plan will start with a pre-trip inspection of the drone before leaving to start spraying for the day. This includes: checking drone limbs for cracks chips or breaks, inspect propellers for cracks and breaks and for secureness, testing spray nozzles and make sure even spray patterns are shown, checking and rinsing spray tanks to not apply any unwanted chemicals onto field and to save life on the solution pump. This same checklist will be checked before each operation commences in the field.