

PUTTING AERIAL DRONE DATA ANALYTICS TO WORK

Corn Grower used Aerial Drone Imagery to detect Drainage Issues Damaging The Land and Impacting Yield

Maximizing operational efficiency and reducing input costs continues to be a goal of virtually every farming operation. Matt Heidemann, a Midwest corn grower, used the [Quantix™ Hybrid Drone](#) and [AeroVironment Decision Support System™ \(AV DSS\)](#) - a powerfully simple to use drone and data analytics ecosystem that delivers actionable field intelligence insights, to support his farming objects. Quantix, a purpose designed drone solution, was able to collect high resolution imagery even in the challenging weather conditions of central Nebraska.

After one of the drone flights, Matt was able to identify **several erosion lines on his property not previously detected by walking the field**. He was able to quickly quantify the magnitude of the impact that was both robbing him of yield and nutrient rich top soil year after year. By analyzing his entire field, Matt found **thousands of feet of erosion damage** caused by combination of a **damaged drain tile** and an **ineffective terrace system**. The **on-demand timeliness, image resolution and analysis** provided by the [Quantix™ Drone](#) and [AV DSS](#) meant that Matt was able to get to efficiently gain an objective picture of his entire operation and gain actionable intelligence. The drone aerial imagery and data analysis allowed Matt to **identify and quantify the erosion and water management issues** in his field.

