

INSIGHT FOR APPLICATION EFFICIENCY

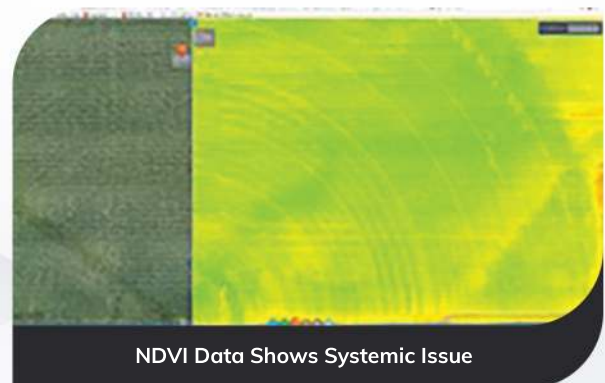
Corn Grower used Aerial Drone Imagery to Quantify Irrigation issues improving operational efficiency

Over the past thirty years, corn and soybean grower Matt Heidemann has been utilizing progressive farming techniques to reduce costs, manage inputs and optimize yields across his 2,800 acre Nebraska farm. [Quantix™](#), a purpose designed drone solution, was able to collect high quality image data even in the challenging weather conditions of central Nebraska. While analyzing the **true color (visible)** and **NDVI values** in [AV DSS](#) using the swipe tool, Matt discovered a **larger systemic issue with the irrigation system**, which was causing an uneven application of water and nitrogen, impacting the growth of his corn crops and the yield. It is estimated that the revenue loss that season neared **10K USD**.

The data insight Matt gained with the results [Draganfly's UAV drone technology](#) and [AeroVironment](#) informed the next year's planting and equipment decision. Even though Matt regularly walked his fields and used the support of an agronomist, **UAV aerial imagery data allowed him to get a more complete and objective picture of anomalies on his operation and create a plan of action to correct them.** Overall, the insights gained from using drone-collected aerial imagery and analytics software to not only process images but store them for later reference allowed Matt to **refine his farming practices and gain a better understanding of his farming operation.**



True Color (Visible) Data



NDVI Data Shows Systemic Issue