

# UP42 Partners with Vultus to Provide Precision Agriculture Technologies



UP42, a developer platform and marketplace for geospatial data and analytics, has announced a new partnership with Vultus, a leader in precision farming technologies. UP42 customers can now use Vultus Fertilization Zoning Maps algorithms to fine-tune crop management – with more agricultural technologies coming soon.

Founded in Lund, Sweden, in 2016,

Vultus AB provides a geospatial infrastructure for precision farming. Vultus analyzes Earth observation satellite data with advanced artificial intelligence (AI) algorithms to give farmers insights into the health of crops within small sections of their fields, enabling them to apply fertilizers variably across the field.

“Growers reduce nitrogen-based fertilizer use by up to one third while increasing yield by three to five percent with the Vultus technology,” said Robert Schmitt, [Vultus](#) CEO. “This results in lower operating costs and significantly less environmental harm.”

## Integrating AI and historical data

[Fertilization Zoning Maps](#) – the first in a series of proprietary algorithms Vultus brings to UP42 as a partner – shows farmers which parts of their fields need more or less fertilizer. Conventional methods of fertilizer application treat all areas of a field uniformly, despite specific areas requiring a tailored approach. Integrating AI, historical data, and three years of extensive research, Fertilization Zoning Maps divide fields into five zones that are classified according to the variable fertilization rate the soil requires.

Understanding the diverse requirements within a field allows for improved nutrient placement and uptake, increasing production, and leading to better understanding of intra-field variability over time. In an industry with very tight profit margins, this technology gives growers a competitive edge.

CEO at [UP42](#), Sean Wiid stated: “We’re very happy to announce a new partnership with Vultus, an emerging leader in the agritech industry. Our partnership is a key step towards providing UP42 users with a simplified way of building precision agriculture solutions. We look forward to launching new capabilities and supporting the agritech industry together.”

## Pick and choose combinations of data

By partnering with Vultus, UP42 brings innovative precision farming technologies to the users of its geospatial developer platform and marketplace for Earth observation data and analytics. With the addition of Vultus technologies, UP42’s agriculture customers can pick and choose combinations of data and processing algorithms for their area of interest and retrieve results on a single scalable platform.

“Farming has always been a tough business, with high costs and low margins,” added Schmitt. “This exciting partnership with UP42 means we can give growers new possibilities to use the latest research and satellite data to easily reduce their nitrogen fertilizers and increase their yields.”



Output of the Vultus Fertilization Zoning Maps processing block on the UP42 platform.