

The logo for PIX4D, featuring a stylized white outline of a drone or aircraft above the text "PIX4D" in a bold, white, sans-serif font.

PIX4D

The role of **professional**
drone mapping in
Agriculture



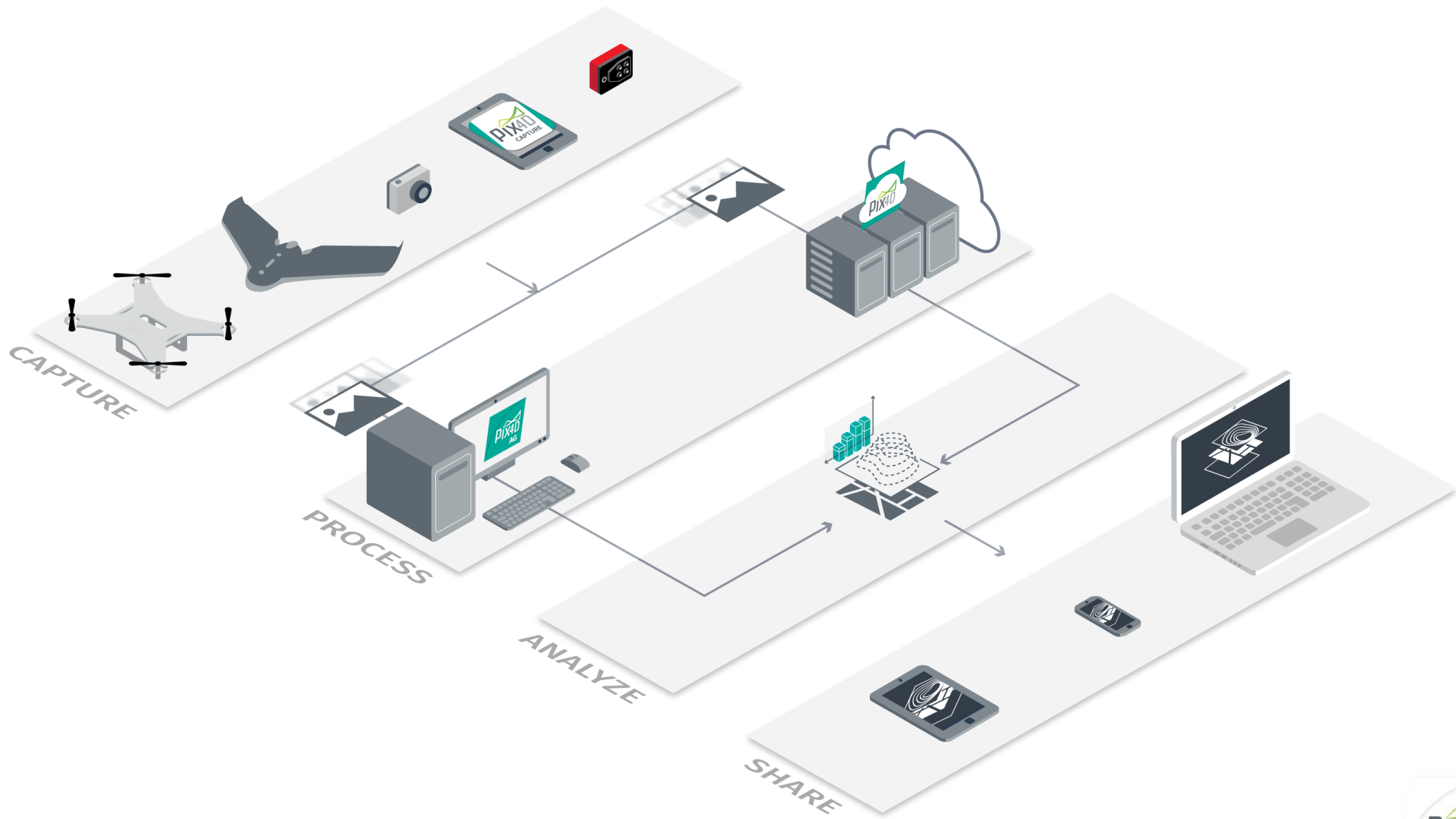
“If agriculture is to continue to feed the world,
it needs to become more like manufacturing.

Geoffrey Carr, The Economist.

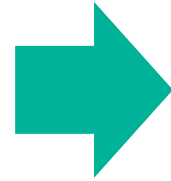
10.000.000 acres

A wide-angle photograph of a lush green wheat field stretching to the horizon. A narrow dirt road or path winds through the center of the field, leading the eye towards the distance. The sky is a clear, bright blue with a few wispy clouds. In the far distance, some buildings and trees are visible on the horizon line.

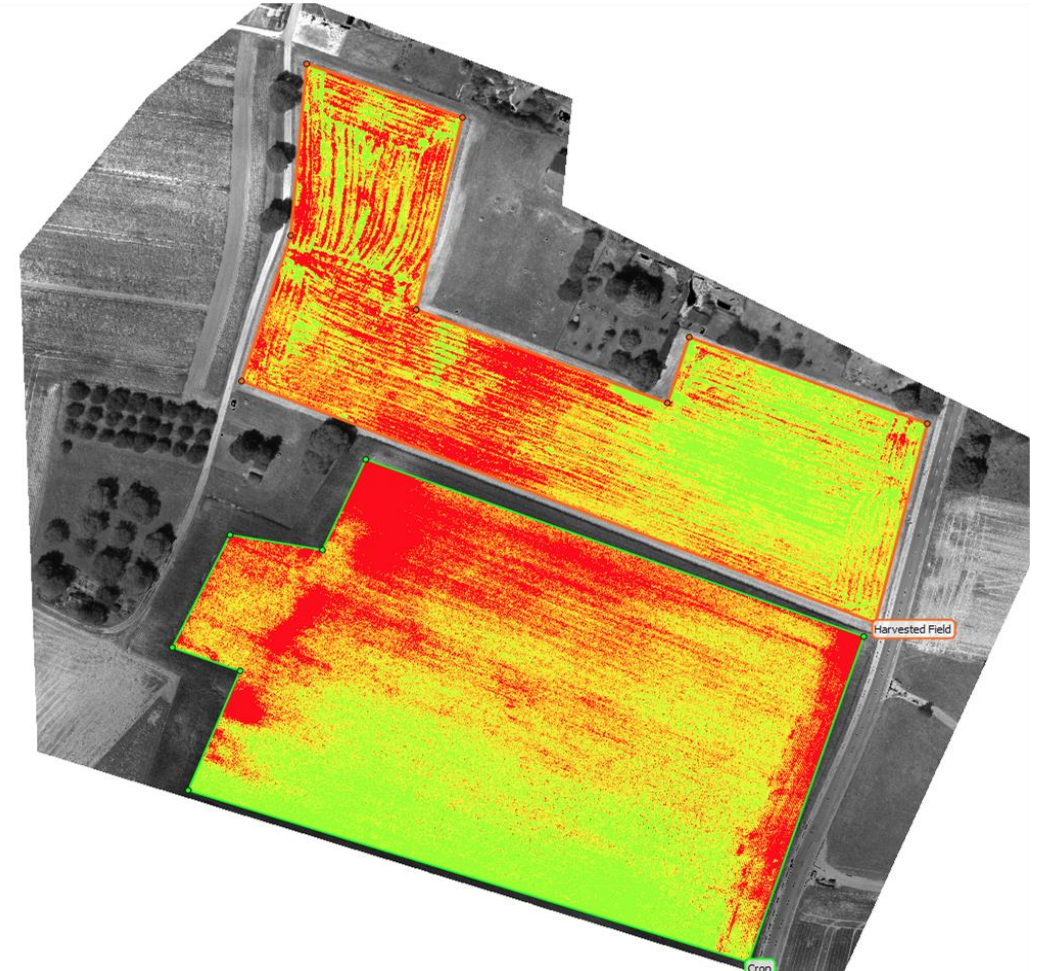
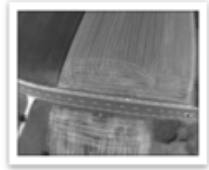
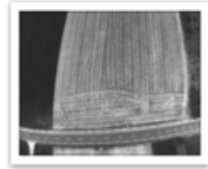
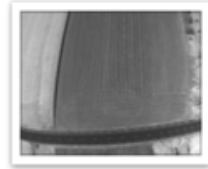
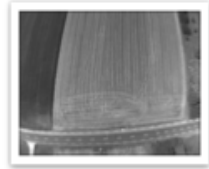
What this technology does for
Agriculture?



We convert RGB images into aerial maps for **digital scouting**



We convert multispectral images into **Vegetation Index Maps**



Main three outputs and their benefits

Orthomosaic

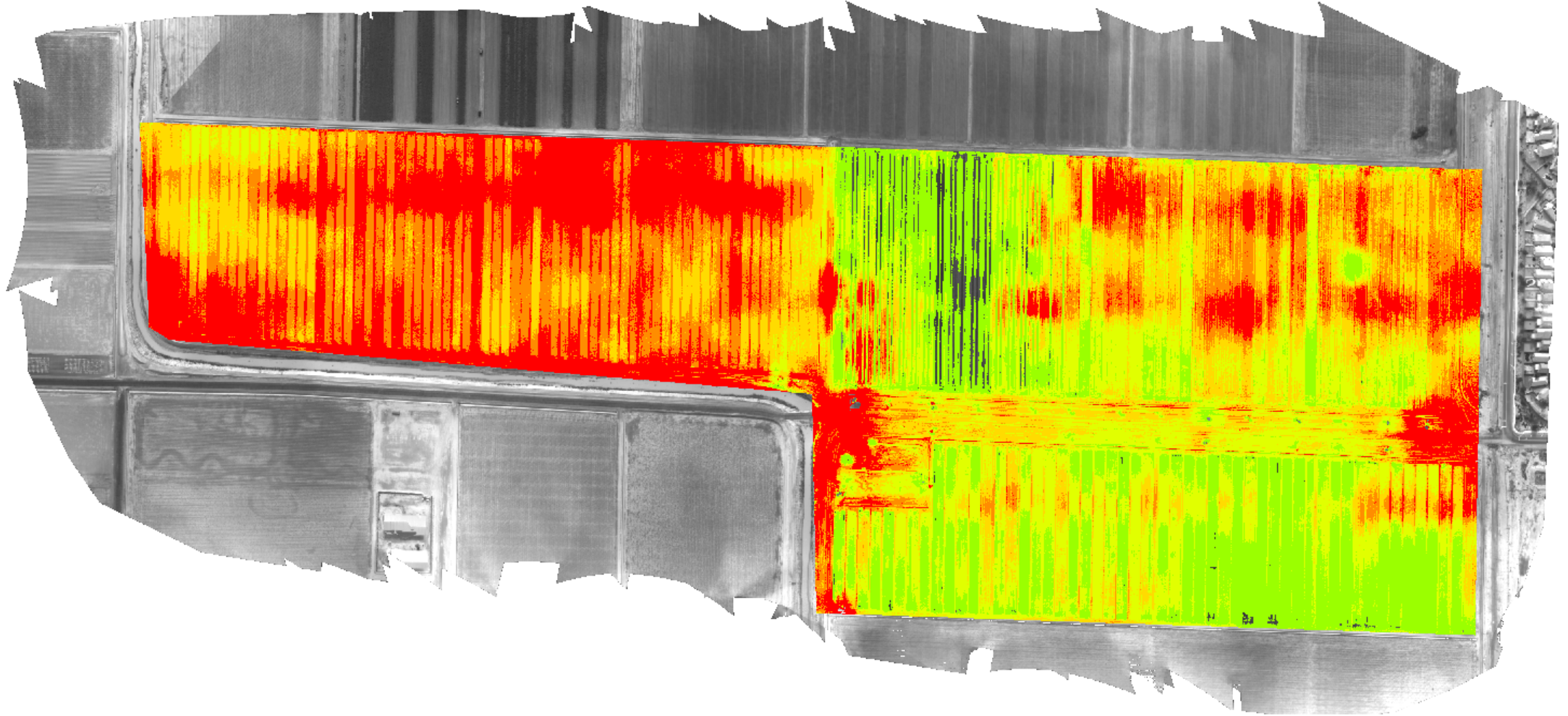


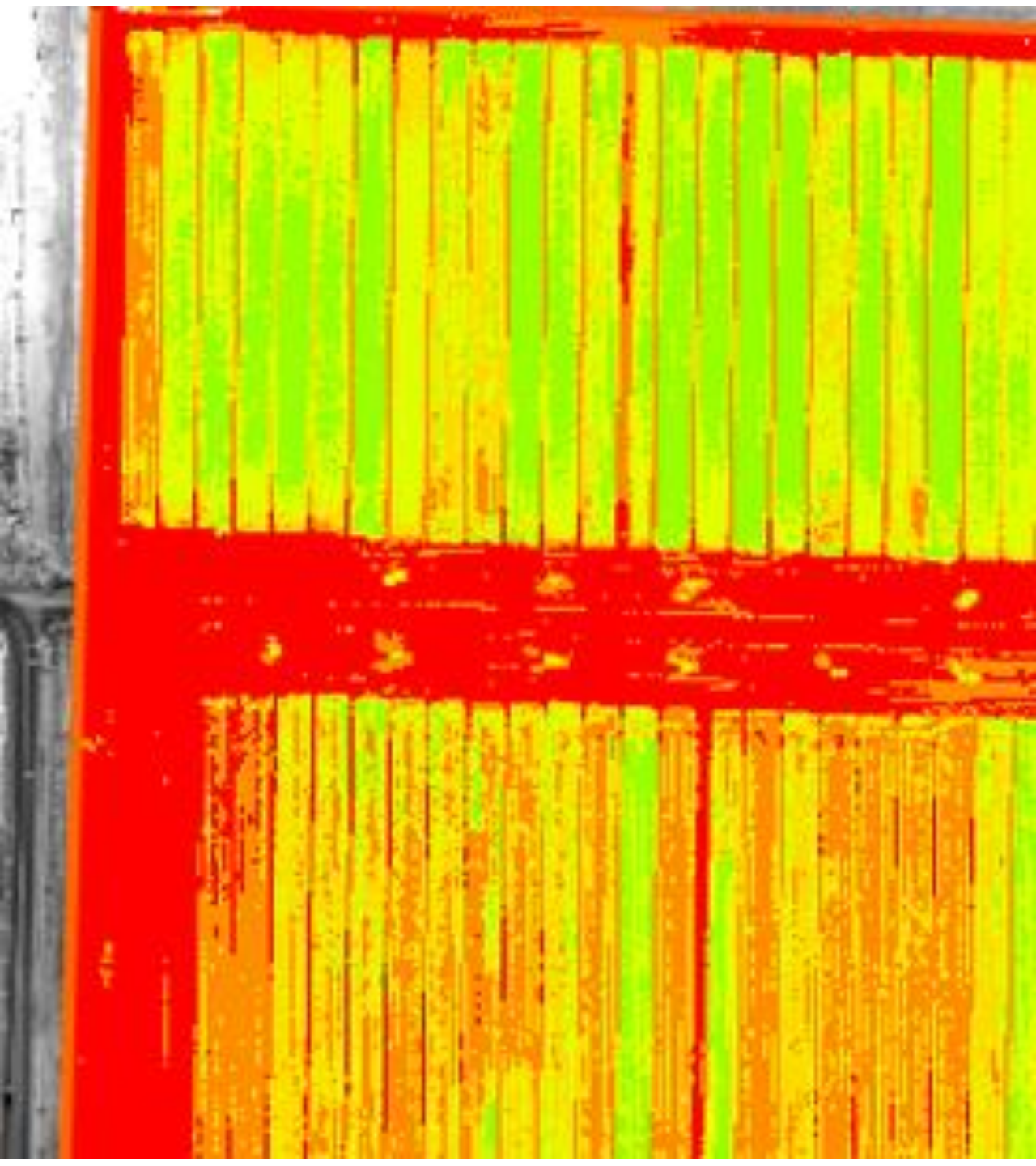


Benefits:

- Spatially aware overview of the field
- Early detection of visible crop impact
- Pattern and hotspot recognition

Vegetation Index Maps

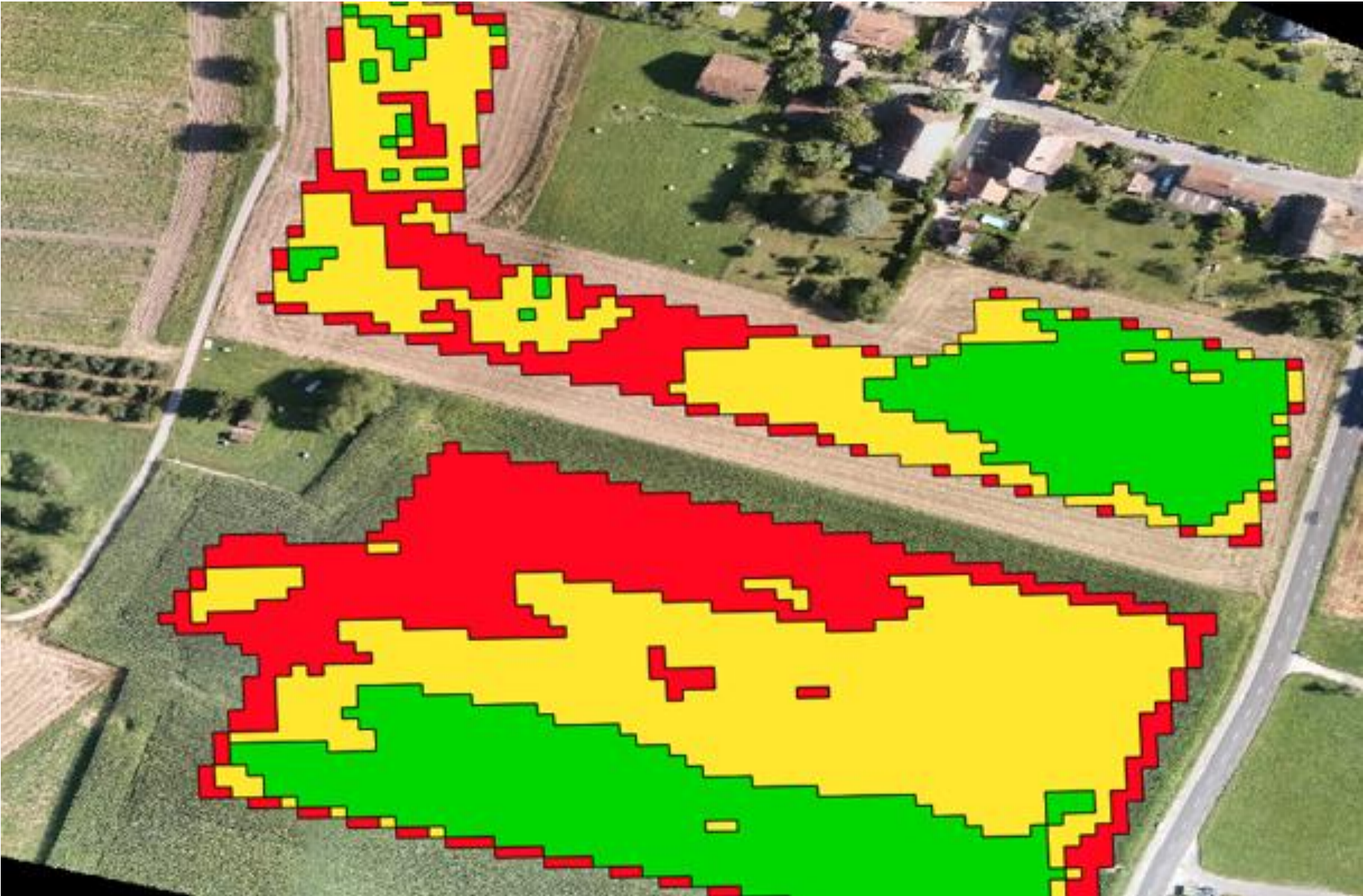


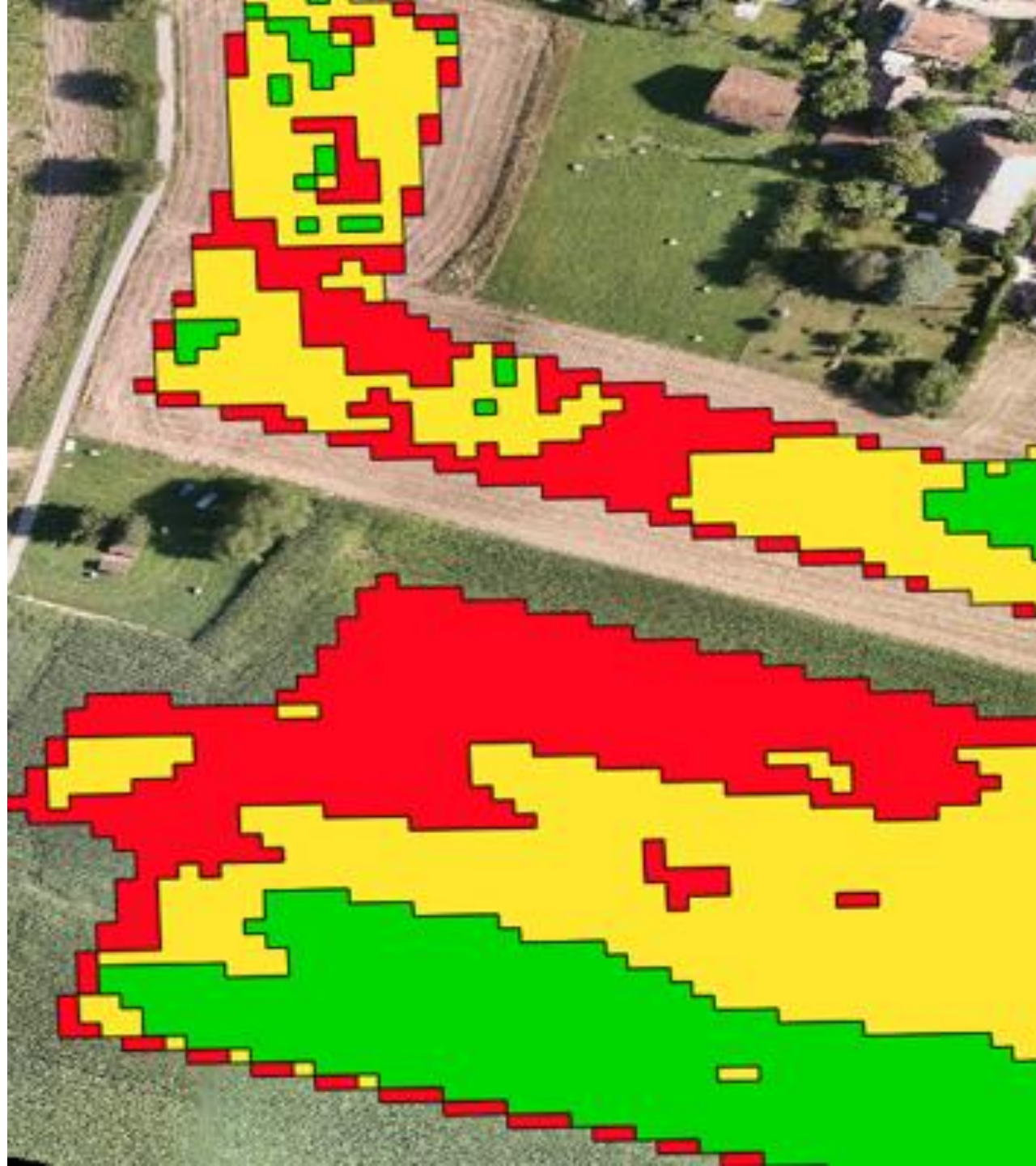


Benefits:

- Deeper yield understanding
- Early disease detection
- Basis for improvement on input efficiency

Application Map



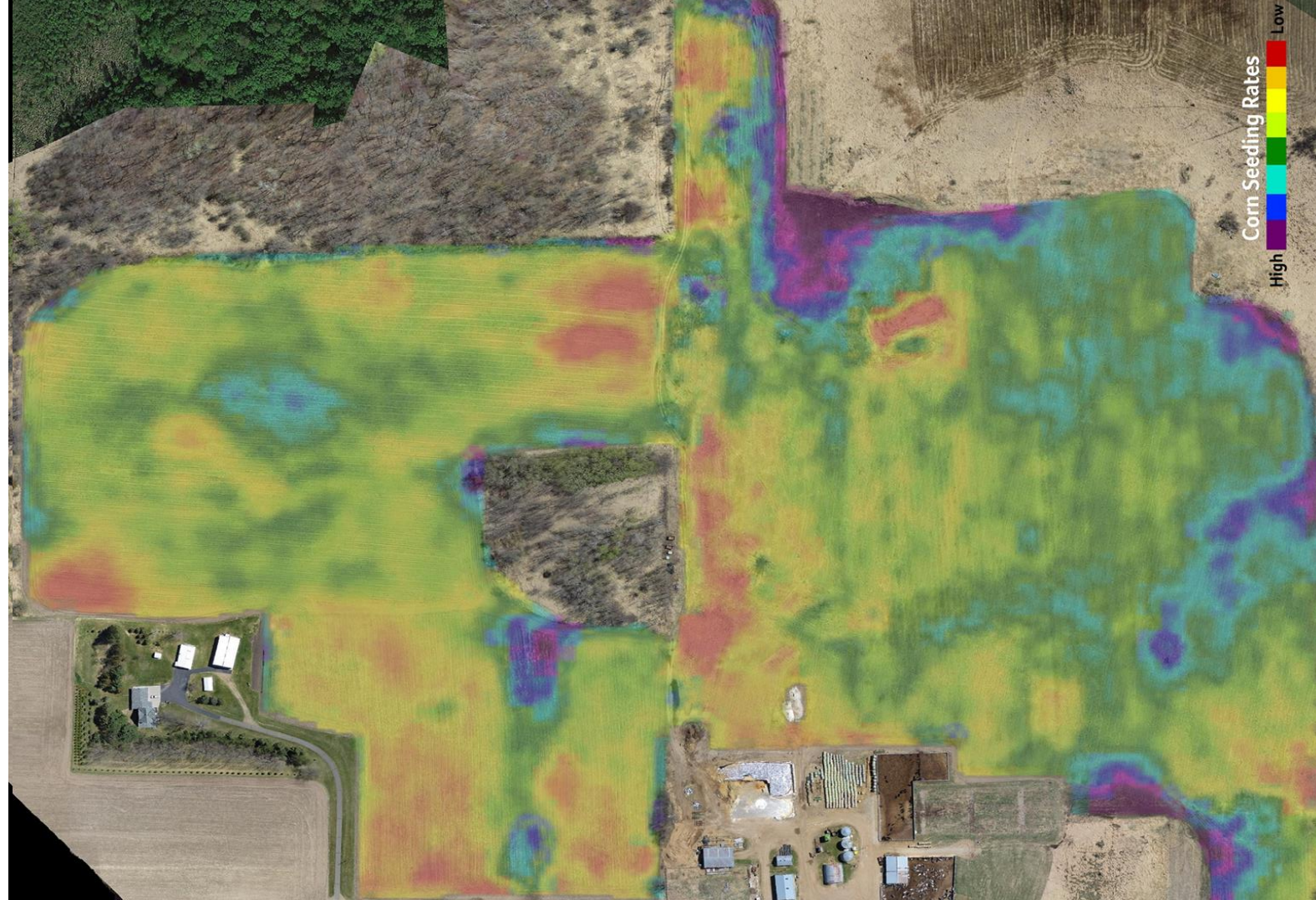


Benefits:

- Input savings
- More efficient treatments
- Less environmental impact

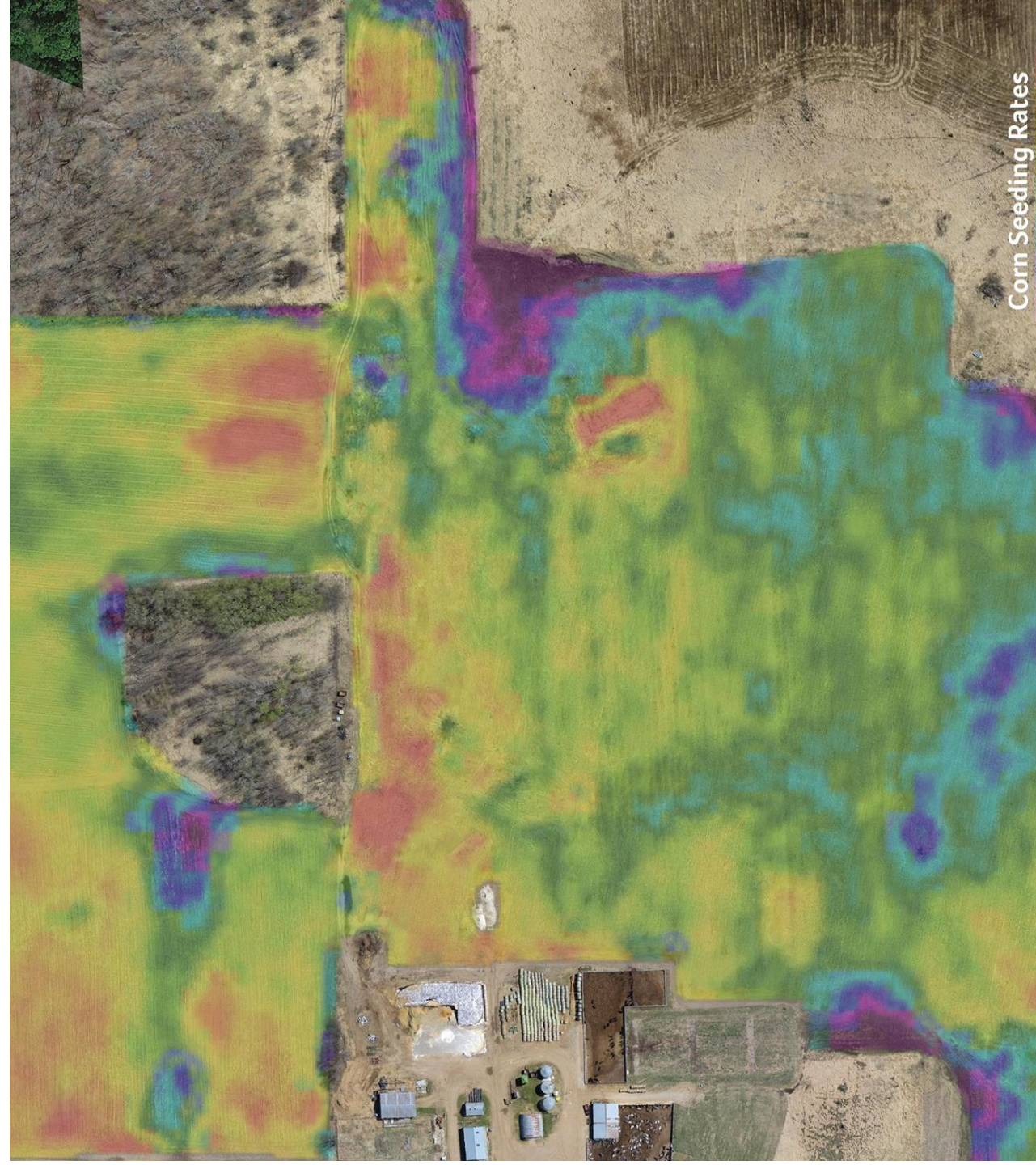
Real cases

Seeding optimization

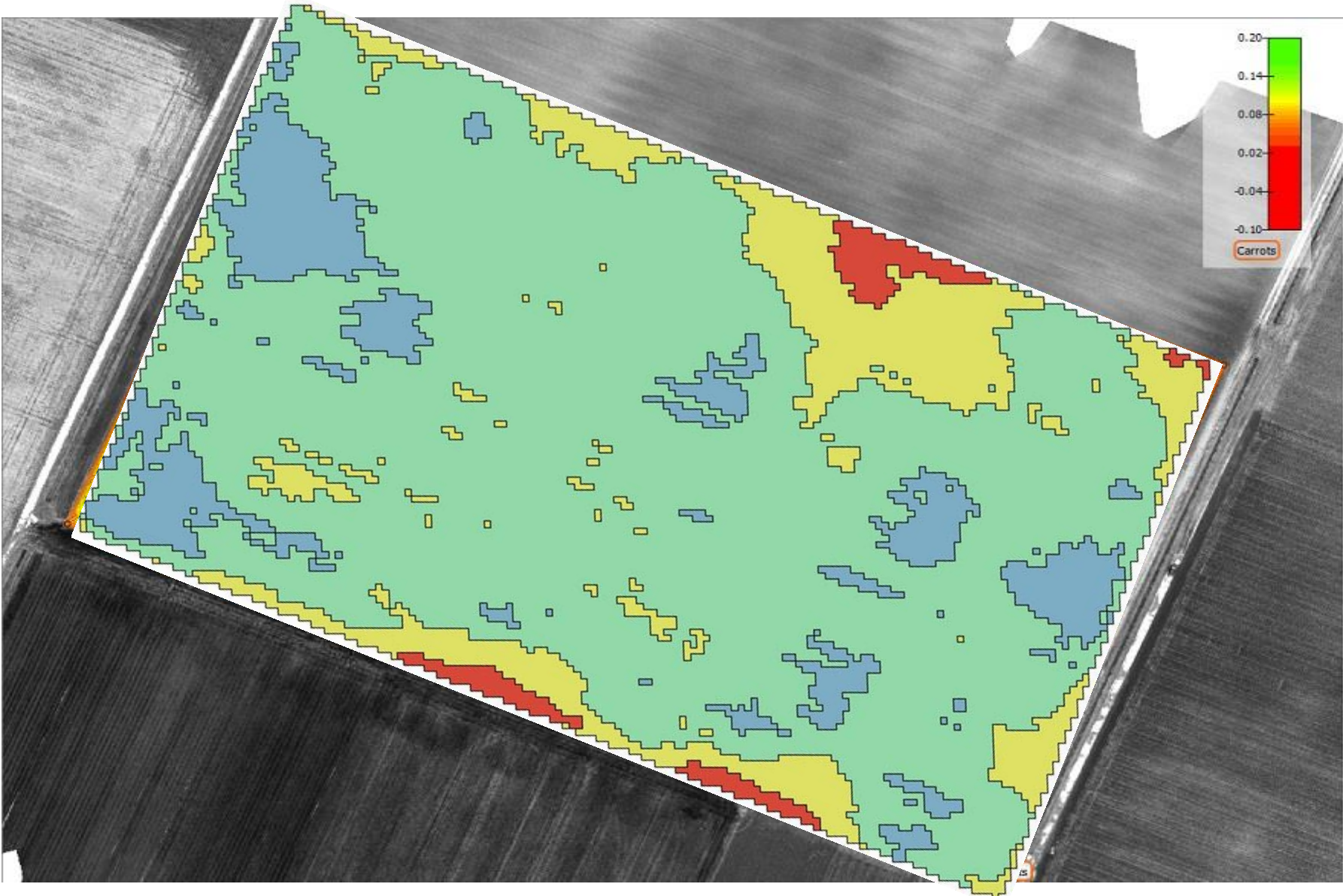


Grower's benefits:

Same field = More yield



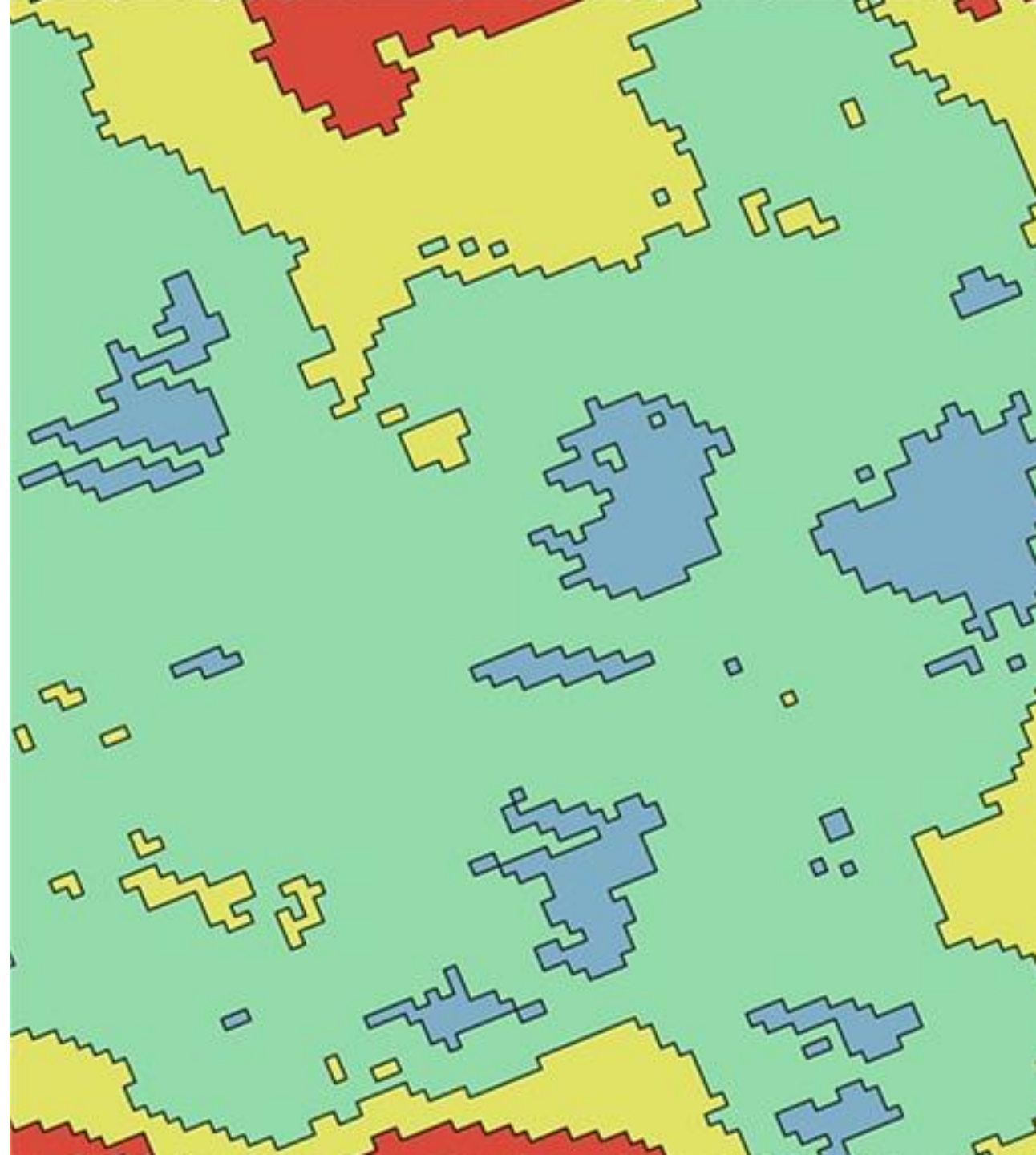
Keeping the K (Potassium) in the carrots



Grower's benefits:

Underperformance detected

Saving on inputs



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it needs to become more like manufacturing.**

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Thank you

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