



# GK Technology Mapping Services

## Zone Creation & VR Prescription

- Satellite Imagery
- Yield
- Topography
- Veris—EC
- VR Fertilizer Maps
- VR Seed Maps

*\*Recommend soil sampling and adjusting yield goals for zones before spreading.*

Zone Creation can use many different input layers as noted above.

- Our methods are focused on the theory the more good data we can put into a zone map the better.
- VR Prescriptions are based and developed with your input. Creating variable rate maps for seed, fertilizer, fertilizer blends, chemicals and irrigation.

## Confidence Mapping

Uses multiple layers of input data to create a new data set containing:

- **Average Productivity Map**
- **Maximum Productivity Map**
- **Confidence Map**

The key improvement here is the "Confidence Map", which shows the areas of the field that are not consistently producing at the same level. Great decision making tools.

## Yield & Veris

- Process Yield data from all brands.
- Produce a Cleaned up Yield map.
- Give back "Efficiency Maps".
- Options for data analysis.
- Grower input is very valuable here.
- Process Veris data, producing shallow, deep and merged layers
- Veris gives you data on Texture, Water & Nutrient holding capabilities and relative Salt Levels .

## Topography & Tile Planning

- Process RTK elevation data.
- Process topography from LiDAR data.
- Create surface drainage plans via GK's watershed modeling.
- Create Contours.
- Deliver printed & digital maps.
- Tile Plans developed after topo mapping & watershed modeling.
- Grower input is "required".
- Plans are delivered in printed & digital formats.
- Support many controllers.

# Variable Rate Mapping

**Process** - VR Mapping process in its simplest form is selecting your field location, creating a boundary, choose input map and create zones, soil sample (recommended), apply rates to zones and finally write the prescription to your controller.

**What can you Variable Rate Apply** - Fertilizers, seeding rate, seeding variety, spray product, spray rate, lime, insecticide, seed treatments and many more.

**Zone Creation** - is the process of selecting an image to use to create management zones. Sources for these zones can come from satellite or aerial images, yield maps, veris maps, soils maps, topography maps or past grid data. Grower input is recommended to confirm zones.

*For variable rate fertilizer, we recommend zone soil sampling and setting zone yield goals.*

**Apply Rates to Zones** - Once the soil samples come back and yield goals have been set, we will use the preferred recommendation rates of the growers (typically University or Consultant recs) to come up with application rates per zone.

**Writing Application Maps** - Most controllers need to go through a final process to be converted into the proper format for a given controller. Example would be converting the GK 46-0-0.bmp to a 46-0-0.shp file to go in to many commercial spreaders.

## Other Mapping

**Topography & Yield & Veris** - GK Technology will process topography, yield & veris data collected by growers and create detailed maps of their fields. Please note the quality of the data collected will affect the quality of the maps created.

***GK Technology, supplying your mapping needs with accuracy and precision for over 12 years!***

## Cost for Service

Standard Zone Creation\*  
\$2.00/acre

Confidence Map Zone Creation\*  
\$2.50/acre

Applying Rates to Zones and  
Writing 1 Product VRT Maps  
\$1.25/acre

Each Additional Product  
\$0.50/acre

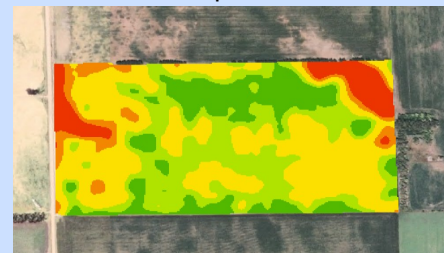
Re-Writing Application Maps  
\$30/field

Yield & Topo Processing  
\$1.50/acre

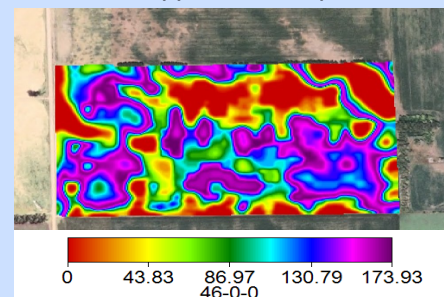
Tile Planning & Drawing  
\$150/hour

*\*Additional charge may apply if  
images must be purchased*

Sample Zones



Application Maps



## Contact Information:

**Toll Free: 855-458-3244**