

# ADMS Training 2025

## Lidar & Lidar/RTK Merge & Watershed Modeling

This Session is focused on LiDAR; what it is and how we can use this data. It will walk you through importing LiDAR data and drawing a correct boundary for watershed modeling. Second part of the Session will look at merging RTK & LiDAR data. Intending to correct inaccuracies of LiDAR by using more up to date in-field collected RTK.

**Grower:** GKT-Data Inputs **Farm:** Lidar Data **Field:** SH 08 SE-E-60ac

- (15-23) ADMS Settings
- (372) What is Lidar - z\_Docs & Downloads
- (249-251) Downloading and Storage of LIDAR for ADMS (LAS-LAZ)

### Lidar Processing

- (253) Creating Boundary for LIDAR import (Section 8)
- (253-254) Import LIDAR to Selected Boundary / Project Area
  - o 2 imports - 1m & 2m is my standard
- (255 - na) Drawing / Re-Drawing Boundary
- (255) Crop Raster & Save As 1m.grd & 2m.grd



### Watershed Modeling & Cleanup

- (267) Trim End Values on Lidar Topo's ?
- (256-257) Processing – Create “Watersheds” & “Contours”
- (267) Field Prepping Data & Printing
- (330) Data Tree Clean Up

### Lidar & RTK Merge

**Grower:** GKT-Data Inputs **Farm:** LIDAR\_RTK Merging **Field:** SH 08 SE-E-60ac

- (262) General Info on RTK & LiDAR Merging
- (253-254) Import 2008 Lidar to existing boundary
- (264) Adjust XY of GRD - (Adjusting XY of SHP)
- (265) Find the Z difference between RTK & Lidar
  - o Adjust the Lidar.grd layer (LiDAR -Down 4.23 feet)
- (266) Display Properties – 3 ft Squares (existing template)
- (266) Create Grid from Polygons (1 meter)
- (120 & 267) Merging Data with Raster Tools – Mosaic & Smooth
- (267) Merging Data with Multi-Layer Map Math & Smooth

**RESET your “Root Data” to “GKData” when done with training.**