

ADMS 2025

Consultants Meeting

This session is all about your topics. We have a couple items that we will touch on that are the most common questions. Then the session will be down to question by question. Follow along, or not. This is your meeting. Ask questions at any time.

- **Consultants Updates – GK Topics:**

- GK Server Update
- Different Bands of light / NIR – Red – Green – (3 band / 4 band)
 - How to handle
- KMZ-KML-Zip – Side note.
- Agronomy topic – Lime and Need for it.
 - Symposium Topic also.
- Mod Area Tricks
 - 6 vs 7 (why do it)
 - Different red zone & green zone (Usually End Zones)
 - High Soil Test (Farmyard – Tree Row – Salty areas)

- **Your Topics:**

Evan - As we approach the upcoming planting season, there is new precision tech out there that involves exact placement of in-furrow fertilizers in seed trenches like the Exact Shot system from JD. My curiosity there makes me wonder if I can half my rate of in-furrow application or if there technically needs to be an increase in application rate.

Phillip Wanner -

1. Boundaries - If I have two fields next to each other and the farmer is going to combine them into 1, how do I merge the boundaries without having to redraw? I'm sure there's a drawing tool function that allows me to do that but I've yet to find it. I've been able to merge the boundary shapes, but I want to also get rid of the dividing line in the middle of the two fields.
2. VRT Herbicide app - Last year we played with some VRT herbicide based on soil texture and pH. I tried fully interpolated maps to start but the monitor in the sprayer (Pro 700) didn't keep up well at all. I found that if I broke it into three target rates and dissolved the map, I was finally able to get on target with what I was trying to do. Curious how these details matter for other people or other monitors? If we keep expanding on this idea moving forward, I want to be prepared for the capabilities of the controllers.

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Mackade Skinner - Do you see AI playing a role in data gathering, management or analysis? Does GK have plans to integrate AI?

Kurt Dagel - Are soil chemical results the only emphasized set of metrics to build out VR scripts? Are other data layers being considered beyond soil test/type, yield and satellite? I am curious if others are finding success with others.

Which data layers can be directed to make in-season crop applications? If I see NDVI has dropped in a field, corrective action could be too late and if zero checks of specific inputs don't exist in the field it seems any specific application would be a guess on how to correct the decrease in crop health.

The current buzz about lime applications is analogous to whack a mole precision agronomy. The additional soil testing, field applications and mapping work is a near term windfall I suppose, but over application or improper timing of nitrogen will continue to antagonize short-term curative effects of the lime applications. Are VR applications of N getting us in trouble quicker on pH decreases because higher amounts are often directed to certain landscape/soil types that previously were just getting an average rate of N?

Drones & Application. Problem getting a SHP or an As Applied File.