

Goal #1: Reduce the amount of nitrogen applied and/or lost by implementing BMP's (best management practices) for efficient plant utilization.

Objective: Review technologies associated with variable rate nitrogen application to reduce the amount of nitrogen being applied and increase the utilization of applied nitrogen through proper application timings.

Goal #2: Reduce the amount of phosphorus applied by utilizing the plant available phosphorus in the soil.

Objective: Educate producers on the soil test results, recommendations, and how phosphorus works in the soil.

Action Items:

1. Present water quality issues/concerns in the Bootheel regarding nitrogen and phosphorus and what impacts these nutrients may have on hypoxia in the Gulf.
2. Present a complete nutrient plan that meets the NRCS 590.
3. Discuss phosphorus issues of what the plant needs, soil availability, and losses.
4. Discuss nitrogen issues of what the plant needs, availability and losses.
5. Present information on VRT for phosphorus and the potential economic benefits.
6. Present information from a study that deals with remote sensing irrigation and how this practice reduces runoff.
7. Present information on VRT/canopy sensors/real time technology for nitrogen and the potential economic benefits.

If you have any questions or need additional information, please let me know.

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