

Variable Rate Technology

Managing the variables.

The Arthur Companies uses production information about a field, combines it with zone soil sampling and customized yield goals to produce variable rate application maps to place fertilizer where it will be best utilized, maximizing return on investment.

Here's how the process works:

- **Define variation across a field**

- Satellite maps -or-
- Yield maps (although not needed)

- **Establish a productivity map**

- Averaged across multiple years to eliminate odd things which occur each year

- **Create zones to soil sample**

- Zones should represent different management areas within a field
- We typically take 3 soil samples to the lab

- **Assign yield goals**

- High - medium - low
- Defined by the grower and agronomist

- **Write prescription maps**

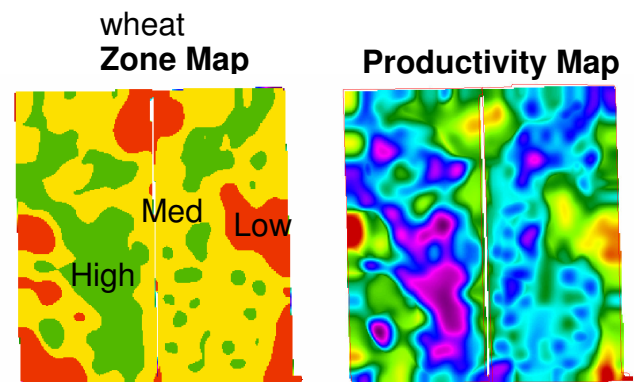
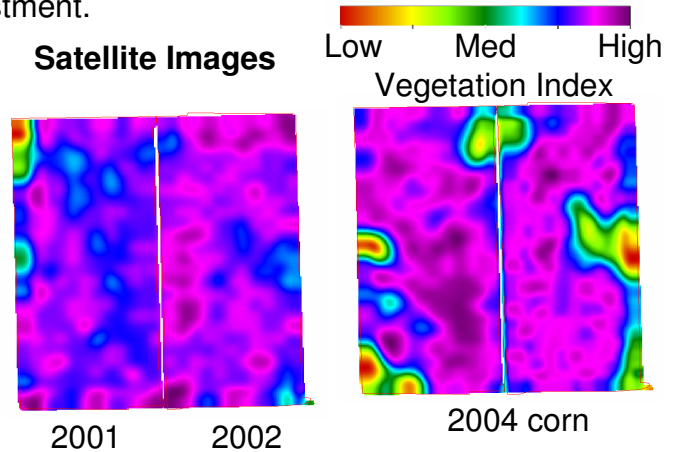
- Calculated from yield goals and soil tests
- Arthur Companies can variable rate spread dry fertilizer

Including a new spreader that can independently spread two products

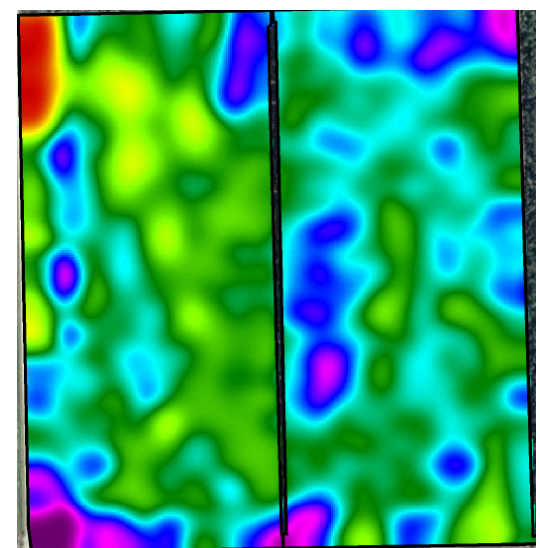
- We can tailor maps to fit your needs, such as:

Variable rate anhydrous ammonia application maps

Variable rate seeding maps



Variable Rate Application Map



20-17-17-0.62 Zn blend

