



DeltAg Formulations

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Thrust as a “Nutrient Activator”

Thrust is a premier additive for nutrient solutions. **Thrust** has been used by many dealers when formulating ‘**custom nutrient blends**’ for specific growers needs. **Thrust** was originally designed as a ‘**safener**’ for pesticide applications, but in recent years has been found to be a great source for a high concentration of **DeltAg’s** organic complexor “**Fulvore**”.

Fulvore is the proprietary formula developed at **DeltAg** for the ‘edge’ we need in the Ag Market. **Fulvore** makes our ‘active’ chemistry more readily available as well as improving translocation of much needed nutrients within the plant. **Fulvore** is best described as a synthetic Fulvic Acid. Fulvic Acid has been proven, as far back as the 1950’s, as the acid radical portion of humic acid that functions to enhance membrane permeability and translocation in plant chemistry.

Thrust as an additive is designed to enhance the availability of nutrient solutions to growing crops. When blended with nutrient solutions, many dealers have experienced improved crop response to their normal rates as well as better response when applying reduced rates of the same formulas as in the past.

“It’s not what you put out, but what gets in the plant.....that counts”!

Below are some examples of how some formulators have been using **Thrust** in liquid blends.

Formulating with **Thrust** for In-Furrow Liquid Blends

Fertilizer Rate/acre	Thrust Rate/acre
2 to 5 gals	8 Oz
6 to 12 gals	16 Oz

Recommended **Thrust** Use Rates: Bulk Liquid Applications

Basically, for Applications of 10 gallons or More per Acre, add **Thrust** at 1/2 % by weight.

The following is an **EXAMPLE** based on **Thrust** weight of 8.86 #/gal and finished product weighing 11.0 #’s/gallon.

For 10 gallons	add 8 Oz	For 40 gallons	add 32 Oz
20 gallons	16 Oz	50 gallons	40 Oz
30 gallons	24 Oz	100 gallons	80 Oz

DeltAg’s Fulvore has been shown to enhance nutrient uptake at varying efficiencies based on the nutrient source material being utilized. For example, the most effective nutrient sources are the sulfates. While chlorides are positively affected, they are affected at about 70% of sulfates. Neutral solutions are affected, but at a lower threshold, therefore requiring a higher percent of **Fulvore** in solution.

The best method for determining the formulation guidelines for your production is to submit samples of varying liquid blends from your operation to the laboratory at **DeltAg Formulations**. We can then determine compatibility as well as efficiency and the best additive rates to utilize. Our staff includes a **PhD Chemist** for formulation concerns.