

8. Fertilizer Nutrient Price and Use Cost Calculator

Given the volatility in fertilizer prices more time must be devoted to addressing fertilizer costs. All begins with the **soil test** to establish requirements and review the need for each nutrient. Maintain field or pasture records on historic fertilizer use and performance supports this decision process.

These calculators facilitate the evaluation of alternative fertilizers and levels of use.

Engage Extension and other knowledgeable professionals in the decision process. Timing and method of application is not addressed in the decision aid. Once needs are clearly defined then fertilizer suppliers can be contacted for prices to meet alternative needs.

This calculator can be used with professionals and sales personnel to ensure the data is correct.

Increased fertilizer cost calls for review of land lease arrangements that cover fertilizer needs. This decision aid facilitates communication on meeting lease compliance.

a. Fertilizer Price of Nutrients Calculator

Many alternative fertilizers are available to meet the defined needs. This decision aids facilitates the organization of price data to compare alternatives that meet the fertilizer needs. Be sure to check nutrient level and add products that fit needs.

b. Fertilizer Cost Calculator – Per Pound of Nutrient or Pounds of Fertilized Used

Published enterprise budgets report fertilizer use either as pounds of nutrients or pounds of fertilizer applied. This decision aid accommodates both alternatives.

When considering Diammonium Phosphate (DAP) with Urea or Ammonium Nitrate credit is given for the Nitrate in DAP by reducing Nitrate required.

b.1 Used when the data on use is the application by **pounds of nutrients** applied per acre. Soil test data supports this option's data needs. The application cost is included in this calculation.

b.2. Used this alternative when the data on use is the application by **pounds of fertilizer** applied per acre.

*Prepared by Jim McGrann, Professor Emeritus, Texas A&M University, 12/6/2022