

## Steve Fransen

Chapter 3, Nutrient Management. Good fundamental discussion. We do need to expand and strengthen the discussion focused on organic nutrients vs inorganic nutrients, e.g., rates of availability, sequence of timing when used in combination with inorganic nutrients, timing of applications with inorganic, etc. T-Sum discussion is introduced well but also need to expanded for use on dairies, grass and forage haylands. On Page 68, need to replace date (2014) for Fransen et al with correct publication date of 2017. Finally, I'd suggest a short discussion of Base Saturation Concentration and the use / importance of using this approach in support of N-P-K nutrient needs based on crop type and longevity (annual, biennial, perennials).