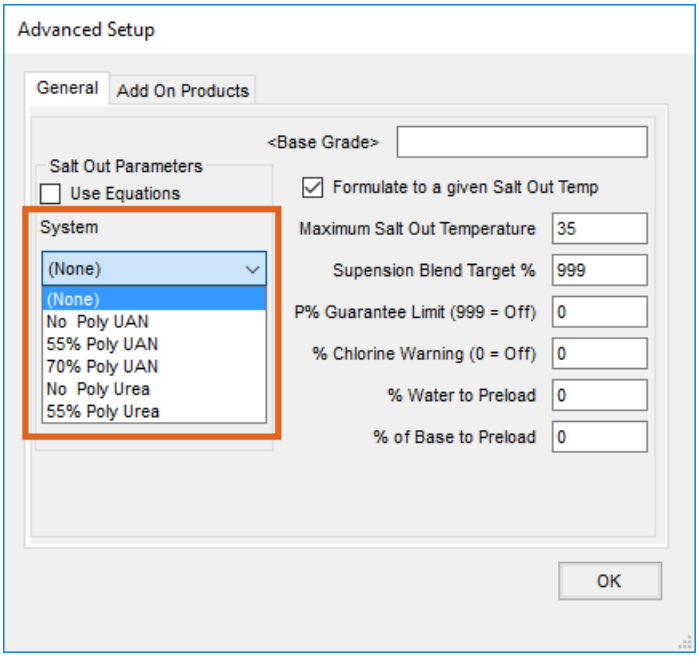
Calculating Salt Out

Last Modified on 09/03/2024 11:33 am CDT

This is an estimated temperature at which a fertilizer or a fertilizer mixture begins to form crystals and salt out from suspension. It is dependent on many factors, including the products mixed, the purity of the products mixed, temperature, water content, etc. The math the program uses comes directly from the TVA blend models on liquid fertilizer blends. These models were developed from laboratory studies using highly pure products. The users' own experiences in working with the existing products will assist in refining the users' expectations for the results of these models.



- **No Poly UAN** – This is for solutions containing Urea Ammonium Nitrate (UAN) solution and no ammonium polyphosphate.
- **55% Poly UAN** – This is for solutions using standard quality polyphosphate and UAN solution as their primary ingredients.
- **70% Poly UAN** – This is for solutions using higher quality polyphosphate with UAN solution as their primary ingredients.
- **No Poly Urea** – This is for solutions using Urea solutions and no ammonium polyphosphate solution.
- **55% Poly Urea** – This is for solutions using standard quality polyphosphate and Urea solution as their primary ingredients.