

POTASSIUM (K)

Potassium (K) is absorbed by plants in larger amounts than any other mineral nutrient except nitrogen. It is required for nutrient movement in the plant. Potassium is also important in the formation of sugars and starches in plants.

Plants use potassium to regulate the process of opening and closing the stomatal openings of their leaves. That process influences water use efficiency and carbon dioxide use in the plant. Potassium's influence on cell turgor pressure and water relations helps plants resist the effects of drought and temperature extremes, and aids resistance to many plant diseases.



Phosphorus Products

Kalibrate™
Precision Potassium

Sure-K®





The Potassium Opportunity

The Problem

Depending on soil type, 90-98% of total soil potassium is unavailable. Feldspars and micas are clays that contain large amounts of potassium, but plants cannot use the nutrient if it is trapped between the layers of those clays. In persistently dry soils, potassium remains unavailable, as there is no water film surrounding the soil particles. Over time, these minerals break down, and the potassium is released. However, this process is too slow to provide crops the amount of potassium needed for optimal yield.

The Opportunity

Sure-K® has been serving in the industry for over 20 years. Designed as a full-season planter-time potassium source, its application options have been expanding since its inception. Sure-K can be applied in-furrow, strip-till, 2X2, sidedress, broadcast, and as a foliar. AgroLiquid's Flavonol Polymer Technology™ can deliver the potassium in Sure-K to the plant with superior efficiency and usability. This allows Sure-K to provide the same amount of usable potassium per gallon as 10-13 lbs of K₂O potash. Sure-K's ability to provide foliar potassium has proven to be an excellent method to deliver potassium in-season, providing more options for growers. Sure-K has unparalleled compatibility with other AgroLiquid products and many crop protection products industry-wide. Sure-K remains an industry-leading potassium source proven through research and trusted by growers.

54.53bu/A

\$23.23 NET RE-TURN*

1.5 gal/A Sure-K
1 gal/A FertiRain

50.33bu/A

BASELINE
No Foliar

Foliar
SOYBEAN
Program

**All treatments received Pro-Germinator® + Micro 500™ (Drill).
Foliar applications made at R1 soybean growth stage.**

*Source: North Central Research Station, St. Johns, Michigan. *Net return is based on yield increase compared to the baseline treatment minus the cost of fertilizer treatment outlined in each comparison. Soybean price used for this calculation was \$10/bu and fertilizer prices were estimated regional average retail prices.*

Kalibrate™ was developed as a full-season, planter-time liquid potassium source delivered by AgroLiquid's Flavonol Polymer Technology™. With a 2-0-10-6S analysis, a gallon of Kalibrate can provide the same amount of usable potassium as 10-13 lbs of K₂O in a grower's fertility program. In addition to the potassium, Kalibrate also brings the equivalent of two pounds of sulfur per gallon supplied to help balance the nutrient program for the crop. Kalibrate has excellent application flexibility and can be applied in-furrow, strip-till, 2X2, sidedress, and broadcast without risk of crop injury. Also, this product has superior application compatibility and can be partnered with all AgroLiquid products as well as many other industry compounds. Growers have quickly adopted Kalibrate's research-proven technologies in their crop nutrition programs, and have been rewarded with dependable results.

Unsurpassed application flexibility and compatibility along with research-proven, farmer-trusted results. That's AgroLiquid.