

PureGrade Liquid Plant Food



Gold Start® 80/20 Ortho/Poly vs 50/50 Ortho/Poly Blends Made by Others

GoldStart 80/20 Ortho/Poly
(6-24-6, 9-18-9, etc)

50/50 Ortho/Poly Blends
(made by others)

Ortho Content

80% of phosphate is in the plant available ortho form. This means that there is 60% more orthophosphate immediately available compared to the 50/50 blend.

Only half of the phosphorus is immediately available as ortho. The availability of remaining 50% is dependent on temperature.

Viscosity

Fertilizer blends high in orthophosphate are thinner (lower viscosity) and pump more easily through the small lines to each row unit when air temperatures are lower.

Blends higher in polyphosphates tend to be thicker, or, more viscous. This matters during cold nights and warm days. Extra adjustments will be needed to keep application rates uniform.

Salt Index

High quality, high ortho fertilizers made from potassium phosphate tend to have a lower salt index and added safety to the seed.

Products higher in poly tend to be higher in salt index because the poly carries more impurities compared to ortho.

Stability

Stores well over time.

High poly fertilizers are expected to have more settlings in the bottom of the tank.

Best Use

Row applied for quick uptake by plants.

Deeper placement for use later in the growing season.

