

Croprotek®

Soybean Seed Overtreatment



Fuel the tank for early season vigor with added nutrition via seed overtreatment setting the stage for improved yield.

PCT | Sunrise® Croprotek® Soybean Seed Overtreatment provides early season nutrition and other beneficial attributes leading to improved uniformity in emergence, vigor and overall seedling health. Overtreatment is applied “on top” of a previously applied fungicide and insecticide seed treatment.

Soybean Seed Overtreatment is for seed in bulk quantities. Once “overtreatment” has been applied to the respective seed’s commercial treatment, there are NO returns, refunds or implied warranties.

Treatment Timing

Treatment will be professionally applied “down-stream” at any of our Sunrise Agronomy Seed locations with treating capabilities. Selected soybean seed to be “overtreated” will be treated as a result of orders placed before February 1st. No orders will be accepted for overtreatment after February 1st. Only bulk soybean seed will be treated. No bagged seed will be accepted for overtreatment.

Key Performance Benefits

Early season nutrition to assist in root and shoot development, uniform emergence and vigor as well as some additional fungicidal properties.



Zinc (Zn)

- ↳ aids in the activation of enzymes, synthesis of photosynthetic pigments and chlorophyll. Zinc metabolizes the plant hormone auxin.
 - Due to enzyme activity zinc is essential in regulating functions of the cell membrane.
- ↳ in the presence of other heavy metals helps to mitigate their impact

Key Performance Benefits (*continued*)

Manganese (Mn)

- ↳ aids in structure of photosynthetic protein and enzymes
- ↳ Mn is easily transported into root cells and translocated to the shoots
- ↳ at the root rhizosphere (narrow zone of soil immediately surrounding roots) both nutrient mobilization and immobilization occurs
 - organic acids released from the roots help to chelate Mn
- ↳ contributes to lignin formation and assimilation of nitrate

Copper (Cu)

- ↳ one of eight essential plant micronutrients.
- ↳ required for many enzymatic activities in plants for chlorophyll and seed production
- ↳ offers fungicidal properties for plant protection

Iron (Fe)

- ↳ involved in synthesis of chlorophyll and in other enzymatic and metabolic processes without which plants cannot carry out their lifecycle

Seaweed Extract

- ↳ this Seaweed Extract is fortified with organic acids in combination with amino acids and a soil penetrating agent formulated to help mitigate plant stress

Plant Growth Regulators

- ↳ encourage early plant germination and emergence
- ↳ increase surface area of root systems
- ↳ larger leaves and thicker stems
- ↳ Gibberellic Acids control cell elongation and division in plant shoots and aids in seed germination
- ↳ Cytokinin's affect cell division, cell enlargement, senescence, and transport of amino acids in plants
- ↳ Indolebutyric Acid (IBA) stimulates root formation and development, and increases cell elongation

Chitosan

- ↳ naturally occurring compounds that have potential with reducing plant diseases and nematodes
- ↳ induce host defense responses in both corn and soybeans
- ↳ exhibits a variety of antimicrobial activities

Polymer

- ↳ seals “overtreated” ingredients to the seed and assists in “flowability” for handling ease across multiple planter manufacturer platforms