



PCT | Sunrise

# NutraBurst™

## Copper 5%



*Functions:* Copper plays an important role in plant chlorophyll production, protein synthesis, seed production and respiration. About 70% of copper in plants is found in the chlorophyll.

A copper deficiency can result in lowered levels of chlorophyll or premature aging, which leads to yield reductions that typically go unnoticed if the deficiency is not severe.

Copper is the most immobile micronutrient and often gets tied up in High OM soils or lost in low organic sandy soils. It can also be tied up by other nutrients especially early or in extremely dry or wet conditions.

*Challenges:* Copper has been used in the agricultural industry for many years as a fungicide. Proper application timing of copper has increased wheat yields by as much as 30% per acre, by reducing the effects of head scab, leaf rust and take-all diseases.

Crops like vegetables, alfalfa and soybeans also respond to a medium amount of Copper and corn early for germination and near tasseling needs a low level of copper for additional plant metabolism as well as seed production.

*Application:* Copper can be applied during with any foliar application for crops as well as tank-mixed with your herbicide program. Soil applied copper products, like copper sulfate, will provide adequate copper, although not as much fungicidal activity. Our foliar products like PCT | Sunrise NutraBurst™ Copper 5% and PCT | Sunrise FolrFeed™ Crop Mix Elite can provide adequate quantities of Copper.

PCT | Sunrise recommends tank-mixing 1-2 pints per acre of NutraBurst™ Copper 5% or 1 qt. FolrFeed™ Crop Mix Elite as foliar by itself or with other foliar products. It may also be tank mixed with other crop protection products and with your nitrogen or herbicide application in small grains. This will provide the most agronomic benefit, as well as some of the fungicidal benefits of copper.