Agro-B Mobility: An Innovation in the Foliar Nutrient Market

Boron is an essential nutrient for the formation of plant cell membranes and reproductive organs. Plants readily absorb boron available in the soil, and this nutrient is transported through the xylem, moving upward with water lost through transpiration.

Boron deficiencies typically occur in sandy soils with low organic matter, as boron can be leached from these soils. High-retention soils (rich in clay, iron oxides, or aluminum) can also experience boron deficiencies.

Environmental conditions that reduce transpiration (e.g., drought or high atmospheric humidity) can lead to deficiencies in crops.

At this time of year, plants need to remobilize boron accumulated in the leaves toward their reproductive organs. Unfortunately, boron is poorly mobile in the phloem for many species.

Agro-B Mobility contains two technologies that enhance boron's movement through the plant's phloem. The C-plex technology (included in Oligo Prime) and sorbitol are organic molecules that complex boron, preventing it from binding to leaf tissues.

Our research has shown that a foliar application of Agro-B Mobility increases boron concentration in leaves by 48% and facilitates the downward movement of this nutrient within the plant by a factor of 36%. Agro-B Mobility is sodium-free.