The Benefits of Pre-Bloom Foliar Applications of Boron and Calcium

Pink-bud or early bloom applications of boron and calcium are key components of pollen tube elongation that help ensure more successful pollination and higher yields.*

Patrick Brown, Agnes M.S. Nyomora and Bill Krueger were among the first scientists to observe that foliar applied boron had significant influence on set and yield of almonds.** Carbomin® polysaccharide technology helps ensure that foliar applied calcium and boron get into the essential parts of the plant to improve pollination and increase yields.

Pre-Bloom Foliar Application More Effective and Economical
Cooperative extension specialist advisor Christensen and farm advisor Peacock note that foliar application is the more effective and economical application method to ensure a good crop. Pre bloom application of boron is often combined with calcium and fungicides where Carbomin technology allows mixing, saving time and money without sacrificing effectiveness.

Polysaccharide Complexes Ensure Higher Utilization, Faster Results
Polysaccharide complexes enter the plant through the cuticle like most micronutrients. However, once in the plant, the uniquely less strong but effective Carbomin polysaccharide complexation bond allows the plant to better regulate translocation *** and metabolism. This ensures higher utilization and faster results, versus other chelates that have been shown to excessively bind up within the plant.

Suggested Pre-Bloom Application Rates
Carbomin Boron at 1 qt/100 gal water
Carbomin Calcium at 1 qt/100 gal water


Boron contributes to cell wall strength and development, as well as being critical to cell division, fruit and seed development, sugar transport, and hormone development.

Calcium is an essential part of the plant cell wall and necessary for new cell formation.

Boron and Calcium combined are essential to pollen tube elongation which helps provide successful pollination.

Foliar applied calcium has added benefits of reducing some plant disease, fruit softness and a variety of other benefits beyond just almonds.

Carbomin polysaccharide complexed micronutrients feature low pH formulations which allow problem-free tank mixing with nearly any herbicide, fungicide and liquid fertilizer.

Contact Information
For more information, contact your CPS representative.