



Why Plant Chow Plant Food Minerals

Plant Chow minerals are 100% solubilized (dissolved) in proprietary, all-natural suspension and solubilizing solutions that work seamlessly with the plant production system. Submicron-sized plant food minerals more efficiently enter the roots and leaf pore channels when needed.

The Importance of Solubilizing

Fully solubilized minerals completely dissolve in water, providing more thorough nutrient plant feeding. The pores (stomata) of a plant's leaf and stem are microscopic. These pores let water and minerals into the leaf and further into the plant if the particle size is tiny enough.

In contrast, average plant food contains nutrient particles that are too large for leaf pore (stomata) entry because of "particle aggregation." Aggregation means that a few smaller mineral particles are tightly bonded together and remain bound, even when dissolved in water. Instead of passing through the leaf stomata, they lay on the leaf, dry up, blow away, or get washed off by rain. Even with soil applications, microbes and soil acids must further break these aggregate particles apart before plant roots can take them in as food.

The Importance of Suspension

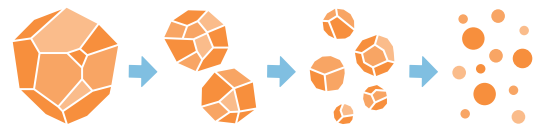
A suspension solution keeps solubilized minerals from falling out of the solution, providing more accurate feeding applications. Even though many labels say "shake well" before using, shaking the container does not suspend the minerals. Shaking only temporarily mixes the minerals into the solution (like black pepper in a glass). The stirred minerals will quickly collect at the bottom of the jug again. This indicates that the particles are too big to stay in solution and therefore are too large for efficient plant leaf absorption.

Adding a natural suspension agent completes the separation process of the disaggregated mineral solution. Plant Chow suspension technology is a slightly ionic (charged), proprietary natural liquid that works in conjunction with the ionic charges of the minerals, keeping the particles fully dissolved at a submicron size for plant absorption.

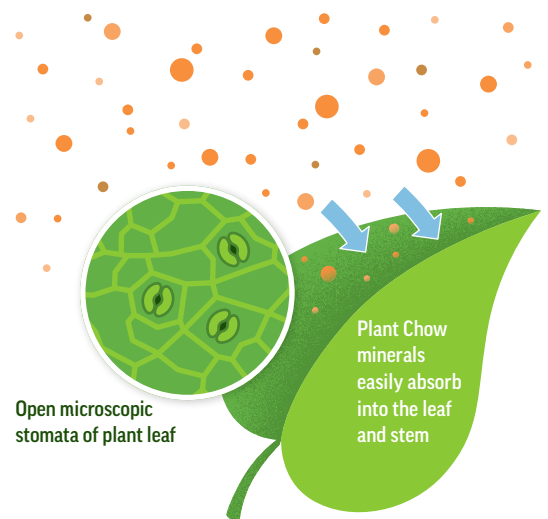
The Plant Chow Difference

Compared to other dry or liquid plant food products, university and field trials demonstrate that Plant Chow's liquid minerals are more effective soil and foliar feeds, providing 1½ times more nutrients, resulting in superior plant health and greater yield over leading nutrient products.

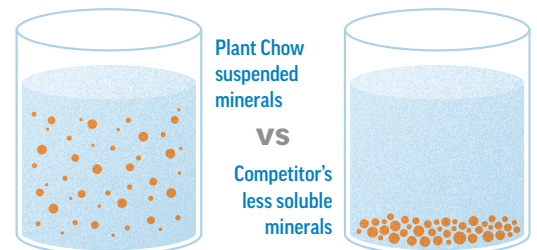
Plant Chow minerals are first dissolved in water and then undergo a process that breaks the aggregate particles into granules less than one tenth of a micron in size.



Our mineral particles are so small that they quickly pass through the leaf and stem pore upon contact, helping prevent nutrient deficiency.



High solubility and greater suspension results in more complete nutrient availability and absorption.



To learn more about Plant Chow products or to place an order, scan the QR code with your phone camera or visit our website at plant-chow.com →

