



Agri-Dynamics Plant Line Guidelines & Protocols

Important: Balanced, enlivened soil is the foundation of healthy crop production. Yields, disease resistance and nutrient density will reflect the health of the soil. Foliar applications DO NOT replace a sound soil balancing program.

General Application Guidelines:

1. Best time to foliar spray is late evenings and early mornings.
2. Avoid spraying above 80° F and when very sunny. There is a greater chance to burn the vegetation.
3. Foliar after rains when practical.
4. Ideal pH of foliars is 6.4. Add vinegar to lower pH and Sodium Bicarbonate to raise pH.
5. Ideal ergs is around 5000. Ergs will rise when adding AD liquids. If too high add more water.
6. Highly recommend testing all irrigation and spray water through Logan Labs. Include a test for nitrates (not included with standard test). Bad water can affect the availability of the nutrients to the plants.

Recommendations to Prevent Insect and Disease Opportunity For all Plants

1. Balance Soil Minerals via Soil Tests.
2. Add a balanced and time released dry blend of fertilizer with humus compost.
3. Weekly Foliar maintenance: 2 oz. each in 1 gal. water Plant-Sure, Lacto-San, Sea-Sure Liquid Concentrate, and Phyto-Guard. This is a 1% solution or 1 gal. each in 100 gal. water. You may do a 2% or 3% solution for high pressure cases but be careful of leaf burn. **(Recommend test spraying before spraying the entire crop.)** If high insect or disease pressure, daily applications are recommended.
4. Use the same rates for **soil application and at transplanting**. Add 3 times the amount of water to adequately drench the soil. In addition to above add 2 gals Cal-Phion Plus or 2 gals of Crop Manna to give the plant more energy. **Add with the Transplant Solution below.**

Recommendations for Large Acre Crops

1. At planting on seed: 1 gal. Plant-Sure, 1 gal. Lacto-San, 1 lb. Rhizo-Shield and 2 gal. Cal-Phion Plus or 2 gal. Crop Manna with a minimum of 8 gal. water per acre. Prioritize and work with the farmer's budget and goals. Plant-Sure is the primary product. Add Lacto-San and Rhizo-Shield next and if possible add Cal-Phion Plus or Crop Manna.
2. Foliar 2-4 times a growing season: 1 gal. Plant-Sure and 1 gal. Lacto-San with 15 + gal. water per acre. Do tissue, forage or sap tests and add additional minerals if needed, such as ECF Boron or ECF Manganese, Mag-Vantage, Foliote-K, Cal-Sentials or Mikronite at 1-2 qts per acre each with Plant-Sure and Lacto-San. The preventative insect and disease opportunity protocol above can also be used here if budget allows and especially for high value crops.

Transplant Solution, Soil and Plant Booster and Residue Digester

1. 1-2 gal. Regenerex, 1-2 lb. Rhizo-Shield, 2 gal. Lacto-San, 1 qt. N-Dure per acre in 40 plus gal. water.