

Leaf VITALITY[®]



Make a leaference[™]



All Purpose 20-20-20



Foliar Feeding for Overall Plant Health
Fertilizante Foliar Multipropósito para Desarrollo Integral de la Planta

Leaf VITALITY® All Purpose is a complete, water-soluble foliar fertilizer formula with a special nutrient balance to be used on any crop for overall plant performance. This nutritional balance also contains essential amino acids, naturally inducing the plant to perform its physiological processes with greater efficiency and lower energy expenditure.

CROPS	dry formula lb / acre	stock solution gal / acre	REMARKS
Vegetables & Vine Crops: Tomatoes, peppers, onions, beans, brussels sprouts, cabbage, cucumbers, melons, watermelons, cauliflower, and other Brassica crops.	1-2	0.5-1.0	Apply when crop needs support, especially in vegetative growth or after a stress situation. Use a lower rate for youth stages and a higher rate for physiologically mature crops. Apply at 10-15-day intervals, or when needed, to help the plant with extra strength.
Orchards: Citrus, apples, peaches, pears, mango, and other fruit and nut crops.	2-4	1-2	Apply with pre- and post-bloom sprays. Apply at 7-10-day intervals. Use higher rate for full bearing. Apply with 150 gallons per acre.
Row Crops: Wheat, corn, sorghum, cotton, sunflower, soybeans, barley, and rye.	1-2	0.5-1.0	Apply on vegetative growth, or when needed, to increase foliar biomass. Begin at first true leaves and continue at two-week intervals before flowering.
Leafy Greens: Celery, lettuce, spinach, endive, and other salad crops.	1-2	0.5-1.0	Apply at 7-10-day intervals throughout the main growing season as soon as the 3rd and 4th leaves unfold, starting with the low rate, and increase to higher rates once the crop ends the youth stage.
Berries: Blackberries, blueberries, strawberries, raspberries, and other small fruit crops.	1	0.5	2-3 applications before bloom (flowering); 1 application after fruit setting.



P-Plus 14-28-7



Foliar Feeding for Root Development & Flowering
Fertilizante Foliar para Desarrollo Radicular y Floración

Leaf VITALITY® P-Plus is a complete, water-soluble foliar fertilizer formula with a special nutrient balance to be used on any crop for overall plant performance. Foliar feed with higher phosphorus is required mainly to enhance root development, stem thickening, and better energy absorption through sunlight and flowering. This nutritional balance also contains essential amino acids for the plant, naturally inducing it to perform its physiological processes with greater efficiency and lower energy expenditure.

CROPS	dry formula lb / acre	stock solution gal / acre	REMARKS
Vegetables & Vine Crops: Tomatoes, peppers, onions, beans, brussels sprouts, cabbage, cucumbers, melons, watermelons, cauliflower, and other Brassica crops.	1-2	0.5-1.0	Apply after transplanting to induce root activity, to increase stem thickness, and during pre-flowering stage. Apply at 7-10-day intervals or as needed to increase the plant's energy in general terms.
Orchards: Citrus, apples, peaches, pears, mango, and other fruit, and nut crops.	2-4	1-2	Apply with pre- and post-bloom sprays. Apply at 7-10-day intervals. Use the higher rate for full bearing. Apply at 150 gallons per acre.
Row Crops: Wheat, corn, sorghum, cotton, sunflower, soybeans, barley, and rye.	1-2	0.5-1.0	Apply on vegetative growth or as needed to increase foliar biomass. Begin at first true leaves, and continue at 2-week intervals before flowering.
Leafy Greens: Celery, lettuce, spinach, endive, and other salad crops.	1-2	0.5-1.0	Apply at 7-10-day intervals throughout the main growing season as soon as the 3rd and 4th leaves unfold, starting with the low rate and increasing to higher rates until the crop ends the youth stage.
Berries: Blackberries, blueberries, strawberries, raspberries, and other small fruit crops.	1	0.5	2-3 applications before bloom (flowering); 1 application after fruit setting.



N-Plus 23-17-11



Foliar Feeding for Biomass Development & Growth

Fertilizante Foliar para Desarrollo de
Biomasa y Crecimiento Vigoroso

Leaf VITALITY® N-Plus is a complete, water-soluble foliar fertilizer formula with a special nutrient balance to be used on any crop for overall plant performance. Foliar feed with higher nitrogen is mainly required for vigorous growth and exuberant foliage. This nutritional balance also contains essential amino acids, naturally inducing the plant to perform its physiological processes with greater efficiency and lower energy expenditure.

CROPS	dry formula lb / acre	stock solution gal / acre	REMARKS
Vegetables & Vine Crops: Tomatoes, peppers, onions, beans, brussels sprouts, cabbage, cucumbers, melons, watermelons, cauliflower, and other Brassica crops.	1-2	0.5-1.0	Apply as needed to increase foliar biomass or to give extra strength to the crop. Use the low rate to support the crop at any time, especially in vegetative growth or after a stress situation. Use the low rate on youth stages and the higher rate when crop has reached maturity. Apply at 10-15-day intervals, or as needed to increase the phytotonic effect.
Orchards: Citrus, apples, peaches, pears, mango, and other fruit and nut crops.	2-4	1-2	Apply with pre- and post-bloom sprays. Apply at 7-10 day intervals. Use the higher rate for full bearing. Apply at 150 gallons per acre.
Row Crops: Wheat, corn, sorghum, cotton, sunflower, soybeans, barley, and rye.	1-2	0.5-1.0	Apply on vegetative growth or when needed to increase foliar biomass. Begin at first true leaves, and continue at 2-week intervals before flowering.
Leafy Greens: Celery, lettuce, spinach, endive, and other salad crops.	1-2	0.5-1.0	Apply at 7-10-day intervals throughout the main growing season as soon as the 3rd and 4th leaves unfold, starting with the low rate and increasing to the higher rate once the crop ends the youth stage.
Berries: Blackberries, blueberries, strawberries, raspberries, and other small fruit crops.	1	0.5	2-3 applications before bloom (flowering); 1 application after fruit setting.



K-Plus 10-7-27



Foliar Feeding for Plant Well-being & Fruit Quality

Fertilizante Foliar para Desarrollo
Armónico de la Planta y Calidad de Frutos

Leaf VITALITY® K-Plus is a complete, water-soluble foliar fertilizer formula with a special nutrient balance to be used on any crop for overall plant performance. Foliar feed with higher potassium is mainly required for the plant's response against environmental stresses with greater adaptability. It also improves the quality of flowers and fruits, giving them a better appearance in size, color, and shelf life. Leaf VITALITY® K-Plus also contains essential amino acids to naturally induce the plant to perform its physiological processes with greater efficiency and lower energy expenditure.

CROPS	dry formula lb / acre	stock solution gal / acre	REMARKS
Vegetables & Vine Crops: Tomatoes, peppers, onions, beans, brussels sprouts, cabbage, cucumbers, melons, watermelons, cauliflower, and other Brassica crops.	1-2	0.5-1.0	Apply when crop needs support, especially in vegetative growth or after a stress situation. Use a lower rate for youth stages and a higher rate for physiologically mature crops. Apply at 10-15-day intervals, or when needed, to help the plant with extra strength.
Orchards: Citrus, apples, peaches, pears, mango, and other fruit and nut crops.	2-4	1-2	Apply with post-bloom sprays. Apply at 15-30-day intervals. Use the higher rate for full covering. Apply at 150 gallons per acre.
Row Crops: Wheat, corn, sorghum, cotton, sunflower, soybeans, barley, and rye.	1-2	0.5-1.0	Apply after pollination, flowering, boll growth, and filling to ensure size, weight, and quality. Begin after these phenological stages, then at 7-10-day intervals, until harvest.
Leafy Greens: Celery, lettuce, spinach, endive, and other salad crops.	1-2	0.5-1.0	Apply at 7-10-day-intervals throughout the reproductive season as soon as the stem, leaves, or inflorescence appear.
Berries: Blackberries, blueberries, strawberries, raspberries, and other small fruit crops.	1	0.5	Blackberries, blueberries, strawberries, raspberries, and other small fruit crops.

Our Formula includes Chelated Micronutrients

- ♦ **Iron (Fe)** – Oxygen carrier in nodules of legume roots
- ♦ **Zinc (Zn)** – Aids in synthesis of plant growth substances and enzyme systems
- ♦ **Manganese (Mn)** – Aids in chlorophyll synthesis for effective photosynthesis
- ♦ **Copper (Cu)** – Essential for chlorophyll formation
- ♦ **Plus Boron (B)** – To improve any stressful condition
- ♦ **Molybdenum (Mo)** – As an indispensable plant growth component for enzyme systems.

Powered by Essential Amino Acids

Amino acids are organic compounds displayed as protein building blocks. When this blocks connect they then create polypeptide chains, which are responsible of composing the different protein varieties found in all living organisms.

Amino Acid supplementation has proved to aid in:

- ♦ Photosynthesis and precursor of chlorophyll
- ♦ Chlorophyll Activation, Stomata Regulation and Pollen Development
- ♦ Resistance to fungal infection
- ♦ Overcoming plant stress such as drought, extreme temperatures and salinity
- ♦ Recovery from impaired plant development due to herbicides



Why Foliar Feeding? – The plants' leaves have been found to serve as an efficient absorption medium therefore creating an additional nutrient delivery channel, which in turn, improves metabolism throughout the plant, enabling it to have a greater nutrient pull regardless of growing medium. The combination of nutrients and amino acids found in Leaf VITALITY® products is fundamental for a crop to maintain its high nutrition value while decreasing plant stress and extending the plant's functionality.

For better results consider:

- ♦ Feeding in mornings and/or late afternoon
- ♦ Avoid feeding during hot hours of the day
- ♦ Apply before any forecasted rain or winds to avoid nutrient wash off
- ♦ Having a pH of 5 – 5.5
- ♦ Not skipping applications
- ♦ Using a suitable wetting agent or surfactant for optimal spreading of the drops
- ♦ Matching sprayer volume and pressure for each crop in order to obtain full canopy coverage

Manufactured by:

Formulado y Envasado por:  **El Surco®**

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