

System-Cal™

Helping Nature Work™

System-Cal™, is a calcium and copper foliar fertilizer designed to improve fruit quality and firmness. Soil available calcium does not move easily within plants because it translocates mainly within the transpirational system - moving generally to the leaves - where it gets bound in cell wall structures. System-Cal™ is specifically designed for foliar use to address this issue and supply calcium directly to the fruit. System-Cal™ links calcium to a unique mobility-ion that greatly improves calcium uptake and mobility.

Calcium is a key component of cell wall development; increased calcium levels lead to thicker, firmer cell walls, which improves overall fruit integrity, firmness and shelf life. System-Cal™ can be used at all plant growth stages but is particularly effective between pre-bloom and early fruit development when demand for calcium peaks in all plants. When used at the proper timings, System Cal™ can increase fruit calcium levels and help improve proper nutrient ratios (like N/Ca) that directly influence fruit quality (size, firmness and storage life) and marketable yield.

System-Cal™ is part of Agro-K's revolutionary System foliar line. System™ products are designed to work together to maximize crop quality. They are compatible with each other and most fungicides, making them easy to integrate into spray programs

Guaranteed Analysis

Calcium (Ca) - 4.0%
Copper (Cu) - 0.25%

Derived From

Calcium derived from Calcium Carbonate
Copper derived from Copper Carbonate

Availability

2.5, 5, 30, 55 and 250 gallon
10, 20, 110, 200 and 1000 liter

Directions For Use

System-Cal is intended for foliar use only. Foliar: Apply 1 to 5 quarts per acre (2.5 to 10 liters per hectare) with sufficient water for thorough coverage. Do not apply during the "sunlight" hours when air temperature is above 85° F/30° C. Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product. System-Cal is compatible with many fertilizers and pesticides, but compatibility checks are recommended before mix. If mixing System-Cal with other products, dilute System-Cal in a full spray tank first before adding other products. System-Cal should not be mixed with pesticides or other products that are sensitive to low pH solutions.

Suggested Uses

Tomatoes, Peppers, Cucumbers

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. For fresh pick crops, apply beginning at first bloom and reapply at 10-14 day intervals through the final harvest. Vigor-Cal™ is compatible with and can be used in conjunction with Sysstem-Cal™ or rotated with Sysstem-Cal™ after first bloom. Utilizing both calcium products will ensure maximum cell wall integrity and fruit firmness for all developing fruit. For mechanical harvested crops, make first application at bloom and reapply 10 and 20 days later.

Lettuce, Spinach and Other Leafy Vegetables as well as Broccoli, Cauliflower and Other Brassica Varieties

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. Apply the first application 7 days after transplanting, thinning, or at second true leaf stage. Apply two to three subsequent applications at 10 day intervals

Corn, Beans and Peas

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. A first application can be ground applied with starter fertilizers if carefully mixed in a dilute solution (contact Agro-K for more information). Otherwise, apply the first application at the second or third leaf. Apply one to two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements.

Strawberries

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. Apply the first application immediately pre-bloom. Reapply at 7-14 day intervals through the final picking. Vigor-Cal™ is compatible with and can be used in conjunction with Sysstem-Cal™ or rotated with Sysstem-Cal™ after first bloom. Utilizing both calcium products will ensure maximum cell wall integrity and fruit firmness for all developing fruit.

Potatoes, Onions and Other Vegetable Root, Bulb or Tuber Crops

Apply 1 to 5 quarts per acre (2.5 to 12.5 liters/hectare) per application. Apply the first application at 10 days pre-hooking. Apply three subsequent applications at 10 to 14 day intervals.

Nut Crops

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. Apply first application pre-bloom. Apply subsequent applications at petal fall and 10-14 days later.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. Apply first application pre-bloom.. Apply subsequent applications at 10-14 day intervals up to pit hardening. Vigor-Cal™ can be used in conjunction with Sysstem-Cal™ or substituted for Sysstem-Cal™ after bloom and during mid-season applications.

Apples, Pears and Other Pome Fruits

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. Apply first application pre-bloom at green tip or bud break. Apply subsequent applications at petal fall and 10-14 days later. Vigor-Cal™ can be used in conjunction with Sysstem-Cal™ during the early bloom sprays. After cell division is finished, Vigor-Cal should continue to be applied at 7-14 day intervals depending on variety.

Citrus and Avocados

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. Apply first application pre-bloom. Apply subsequent applications at 30 day intervals up to harvest or as needed to supplement nutritional requirements.

Grapes

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. Apply first application two weeks prior to bloom. Apply subsequent applications at bloom and at shatter. Vigor-Cal™ can be used in conjunction with Sysstem-Cal™ in the bloom and shatter sprays.

Blueberries

Apply 1 to 4 quarts per acre (2.5 to 10 liters/hectare) per application. Apply first application pre-bloom. Apply 2-3 subsequent applications at 10-14 day intervals. Vigor-Cal™ can be used in conjunction with or rotate for Sysstem-Cal™ in the later applications.

Raspberries, Blackberries and Other Caneberries

Apply 1 to 3 quarts per acre (2.5 to 7.5 liters/hectare) per application. Apply first application pre-bloom. Apply subsequent applications at 10-14 day intervals throughout the season. Vigor-Cal™ can be used in conjunction with Sysstem-Cal™ or substituted for Sysstem-Cal™ after first bloom and during mid-season applications.

