



WHY FOLIAR FEEDING?

One of the primary advantages of foliar feeding is the quick response of the plant to the nutrient application.

The efficiency of nutrient uptake is 20 times higher when nutrients are applied to the leaves, when compared with nutrients applied to soil.

WHY SURGEPRO?

SurgePro® is a highly concentrated, foliar fertilizer for all your crops.

As pioneers in the crop protection industry since 1979, Biofac Crop Care Labs is proud to offer SurgePro®, as a 7-14-7 foliar fertilizer. It is non-toxic, no-burn and approved for all food-crops.

SurgePro's micronutrient blend forces greater root development, stimulating more fruit and seed production. It also helps reduce the effects of stress and accelerates growth.

Plant leaves have a waxy coating (cuticle) that inhibits absorption. SurgePro® has a mildly acidic pH improving penetration of nutrients through leaf surfaces.

SurgePro® is in the plant within 30-minutes of application to the foliage. Within 24-hours, SurgePro® has made a complete circuit through the plant.

Proven to increase yields from 20-38% on 42 different crops for over 16 years. SurgePro® is now in use on hundreds of thousands of acres nationwide.

Bottom-line. Do nothing different but add a few ounces of SurgePro® and you too will enjoy an average 25% more yield on everything you produce.

The FIRST application of SurgePro® should be made at the following stage(s):

- Cotton: First application at first true fifth leaf
- Peanuts: First application at the 4-inch crown stage
- Soybeans: First application third tri-foliolate leaf
- Potatoes: First application 6-inch height
- Corn: First application V3 Stage, ~10-inches
- Grain: First application, Milo, 6-inches
- Wheat: First application when 4-inch tall ground cover is achieved
- Green Beans: First application prior to blooming. Approximately 8-inches.
- Peppers: First application prior to blooming. Approximately 8-inches
- Strawberries: First application at the 4-inch crown stage.
- Pumpkins: First application when there are 6 leaves on vine
- Cabbage: First application 6 leaf stage

- Lettuce: First application 6 leaf stage
- Cucumbers: First application when vines start to run.

Base:

SurgePro® Base: 7-14-7

- 7% Nitrogen
- 14% Phosphorus
- 7% Potassium

Delivery Mode:

SurgePro® can be purchased in three delivery modes.

- Dedicated Tank Truck
- 250-Gallon Commercial Tote
- 2.5-Gallon Jug

Product Cost:

Bulk Delivery	Negotiable / Gallon	=	
250-Gallon Commercial Tote	\$85.00 / Gallon	=	\$17,500.00
2.50-Gallon Jug	\$95.00 / Gallon	=	\$ 200.00

Application Data:

It is imperative that SurgePro® is thoroughly agitated prior to application to insure proper product concentration. This may be accomplished by vigorously shaking the jugs and / or the use of a compressed air quill for the commercial totes.

Biofac recommends applying SurgePro® during the cooler hours of the morning or afternoon when the stomata of the plant leaves are open.

Area treated per Purchase Mode differs between Irrigated and Dry Crops.

Biofac recommends the following for Irrigated Crops:

Dedicated Tank Truck		=	Acres
Commercial Tote	32000-ounces / 52-ounces per acre	=	615.38 Acres
Individual Jugs	320-ounces / 52-ounces per acre	=	6.15 Acres

Biofac recommends the following for Dry Crops:

Dedicated Tank Truck		=	Acres
Commercial Tote	32000-ounces / 32-ounces per acre	=	1000.00 Acres
Individual Jugs	320-ounces / 32-ounces per acre	=	10.00 Acres

Product Application Method:

Ground or Aerial Spraying.

- SurgePro may be mixed with customer's liquid fertilizer, herbicide and / or pesticide.

Biofac recommends spacing applications 2-weeks apart.

Product Application Directions (Irrigated Crop):

1. 8-ounces per acre (initial treatment)

2. 12-ounces per acre
3. 16-ounces per acre
4. 16-ounces per acre

Product Cost per Acre (Irrigated Crop):

52-ounces per acre - Application Total

- $52 \times \$0.51 = \26.52 / Acre – 250-Gallon Bulk Tote
- $52 \times \$0.63 = \32.76 / Acre – 2.50-Gallon Jug

Product Application Directions (Dry Crop):

1. 16-ounces per acre (initial treatment)
2. 16-ounces per acre

Product Cost per Acre (Dry):

32-ounces per acre - Application Total

- $32 \times \$0.51 = \16.32 / Acre – 250-Gallon Bulk Tote
- $32 \times \$0.63 = \20.16 / Acre – 2.50-Gallon Jug

Biofac SurgePro contains

Macro and micronutrient elements required for plant growth and metabolic processes in plants.

MACRO	MICRO
• Nitrogen	• Boron
• Phosphorus	• Copper
• Potassium	• Iron
• Calcium	• Manganese
• Magnesium	• Molybdenum
• Sulfur	• Zinc
	• Approximately 20 More