



Biofac SurgePro

BIOFAC SURGEPRO PLANT GROWTH REGULATOR

ACTIVE INGREDIENTS

*Cytokinins, as Kinetin.....	0.0900%
*Gibberellic Acid.....	0.0300%
*Indole Butyric Acid.....	0.0450%
INERT INGREDIENTS.....	99.8350%
TOTAL.....	100.0000%

Contains 26.8 mg cytokinins / fluid ounces
 Contains 13.4 mg indole butyric acid / fluid ounces
 Contains 8.9 mg gibberellic acid / fluid ounces

*Plant hormonal compounds in a nutrient based solution to stimulate growth.
 Concentrations based on biological activity.

KEEP OUT OF REACH OF CHILDREN	
CAUTION	
FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after first 5 minutes then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
See Label for Additional Precautions and Directions for Use	

Specimen Label



Specimen Label

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if absorbed through the skin. Causes eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:
Long-sleeved shirt and long pants – Shoes plus socks – Waterproof gloves
Follow manufacturer’s instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:
Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment disposing of equipment washwaters. Exposed treated seed may be hazardous to birds and other wildlife. Dispose of any excess treated seed and seed packaging by burial away from bodies of water.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow workers entry into treated areas during the restricted-entry interval (REI) of 12 hours.

EXCEPTION: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PE required for early entry to treated areas that is permitted under the Workers Protective Standard and that involves contact with anything that has been treated such as plants, soil, or water, is:

Coveralls – Waterproof gloves - Shoes plus socks.

NON AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to users of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons and pets out of treated areas until sprays have dried.



STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Protect from freezing. Store out of direct sunlight.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. IF terms are not acceptable, return the unopened container at once.

Biofac SurgePro may be applied by ground or air. If applied by air, use 3 to 5 gallons of water per acre. If applied by ground use 5 to 25 gallons of water per acre. For Turfgrass: Biofac SurgePro may be applied by ground using 0.2 to 0.5 gallon of water per 1,000 square feet.

Best results have shown that this product can stimulate higher yields through a larger root mass, earlier fruiting and increased fruit retention. Biofac SurgePro is a tool to increase plant efficiency.

GENERAL CHEMIGATION INSTRUCTIONS

Apply this product only through sprinkler including center pivot, lateral move, side (wheel) roll, traveler, big gun, solid set or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water system means a system for the provision the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pip and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e. g. diaphragm pump) effectively designed and constructed of materials that are compatible with the pesticides and capable of being fitted with a system interlock.

Do not apply when wind favors drift beyond the area intended for treatment.



The pesticide supply tank should be agitated throughout the application of Biofac SurgePro. Except for turf grass, Biofac SurgePro should be applied at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop but not to exceed 8 fluid ounces of Biofac SurgePro per acre per application.

Fill the supply tank one-half full with water, add the appropriate amount Biofac SurgePro to the tank and finish filling the tank with water.

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to a point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

The pesticide supply tank should be agitated through the application of Biofac SurgePro. Except for turf grass, Biofac SurgePro should be applied at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop but not to exceed 8 fluid ounces of Biofac SurgePro per acre per application.

Fill the supply tank one half full with water, add the appropriate amount of Biofac SurgePro to the tank and finish filling the tank with water.

SEED TREATMENT

Special note for All Direct Seeded Crops

Acting through its unique combination of plant growth regulators, Biofac SurgePro is a ready-to-use seed dressing that aids in enhancing germination and early season root and top growth.

Use Biofac SurgePro as an in furrow spray at the rate of 2 fluid ounces per acre.

Use Biofac SurgePro at the rate of 1 to 4 fluid ounces per 100 pounds of seed. Use the higher rate when conditions favor poor germination such as cool soil temperatures or low germination seed. Sufficient water needs to be added to insure uniform coverage. Improper coverage will minimize product performance.

Seed Type

Alfalfa	Corn	Melons	Peppers	Squash
Barley	Cotton	Oats	Rice	Sugar Beets
Cabbage	Cucumbers	Okra	Rye	Sunflowers
Carrots	Dry Beans	Onions	Sorghum	Tomatoes
Cauliflower	Eggplant	Peanuts	Soybeans	Wheat
Celery	Lettuce	Peas	Spinach	

Red or White Potatoes

Choose one of the following methods:

Dip potato seed pieces in a solution of 1 part Biofac SurgePro to 375 parts water (0.34 fluid ounce per gallon of water) for 30 to 60 seconds or spray seed pieces with the above solution so that seed pieces are covered and thoroughly wetted. Biofac SurgePro can be used with a fungicide program.

OR

Use 0.50 ounce to 1.0 ounce (volumetric measurement), which equals 8 grams to 16 grams on a dry basis, of Biofac SurgePro per 100 pounds of cut seed pieces. Treat seed pieces immediately after they have been

Sweet Potatoes and Yams

Dip potato slips in a solution of 1 part Biofac SurgePro to 375 parts water (0.34 fluid ounce per gallon of water) for 30 to 60 seconds. Biofac SurgePro can be used with a fungicide program.

MECHANICAL SEED TREATERS

Apply the appropriate amount of Biofac SurgePro to a pre-measured amount of seed and mix thoroughly until all seed are uniformly coated. Seed may be treated in this manner and stored until used for planting. Do not use treated seed for food, feed, or oil purposes. An approved dye must be added to distinguish Biofac SurgePro treated seed and prevent inadvertent use for food, feed or oil purposes.

Seed treated with this product must be labeled in accordance with all applicable requirements of the Federal and State Seed laws. **DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES.**

BROADCAST SEED APPLICATION

Partially fill broadcast spreader with a pre-measured amount of seed. Apply the appropriate amount of Biofac SurgePro diluted with water on the surface of the seed. Mix with a stick or paddle until all seed are coated. Repeat procedure until broadcast spreader is filled. **DO NOT USE TREATED SEED FOR FOOD, FEED, OR OIL PURPOSES.** Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time.

SPECIAL NOTE FOR ALL TRANSPLANTED CROPS

Two methods are recommended for this program. Dip or spray roots with a solution of 0.75 fluid ounce of Biofac SurgePro per gallon of water prior to transplanting. Bedding seedlings may be sprayed or drenched in flats 12 to 24 hours before transplanting to reduce transplant shock with a solution of 0.75 fluid ounce of Biofac SurgePro per gallon of water. The foliar program should begin 2 weeks after transplanting. A combination of the transplant and foliar spray program is most effective.

FOLIAR SPRAY PROGRAM FOR VEGETABLE CROPS Beans and Peas

- 1st Application – Apply 3.2 fluid ounces per acre when the first trifoliolate is unfolded.
- 2nd Application – Apply 3.2 fluid ounces per acre 2 weeks after the first application.
- 3rd Application – Apply 3.2 fluid ounces per acre at first bloom.

Asparagus, Broccoli, Cabbage, Canola, Celery, Lettuce, Mint and Spinach

- 1st Application – Apply 3.2 fluid ounces per acre when the fifth leaf begins to unfold.
 - 2nd Application – Apply 3.2 fluid ounces per acre 2 weeks after the first application.
 - 3rd Application – Apply 3.2 fluid ounces per acre 2 weeks after the second application.
- For maximum benefit, continue to apply 0.8 to 1.2 fluid ounces per acre at 7 to 10 day intervals after the first application throughout the growing season.
- 1st Application – Apply 3.2 fluid ounces per acre when the first bloom.
 - 2nd Application – Apply 3.2 fluid ounces per acre 2 to 3 weeks after the first application.

Guava and Papaya

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cut. Apply so that the cut seed pieces are thoroughly covered. Biofac SurgePro can be mixed with other seed treatments and carriers such as fir and alder bark to insure uniform coverage.

Bananas

1st Application – Apply 3 - 6 fluid ounces per acre prior to or at first bloom.
2nd Application – Apply 3 - 6 fluid ounces per acre 2 to 3 weeks after the first application.

Cantaloupe, Cucumber, Muskmelon, Watermelon, Honeydew, Okra and Squash

1st Application – Apply 3.2 fluid ounces per acre when the third leaf begins to unfold.
2nd Application – Apply 3.2 fluid ounces per acre 2 weeks after the first application.
3rd Application – Apply 3.2 fluid ounces per acre 2 weeks after the second application.

For maximum yields, continue to apply 2 fluid ounces per acre at 7 to 10 day intervals after the first application throughout the growing season.

Eggplant, Pepper and Tomatoes

1st Application – Apply 3.2 fluid ounces per acre when the plants have three true leaves.
2nd Application – Apply 3.2 fluid ounces per acre 2 weeks after the first application.
3rd Application – Apply 3.2 fluid ounces per acre 2 weeks after the second application.

For maximum yields and quality, continue to apply 0.8 fluid ounces per acre at 7 to 10 day intervals after the first application throughout the growing season.

Sweet Corn and Popcorn

1st Application – Apply 3.2 fluid ounces per acre when the plants are in the four to six leaf stage.
2nd Application – Apply 3.2 fluid ounces per acre 2 weeks at the eight to ten leaf stage.

Red or White Potatoes

Apply according to one of the following schedules:

To increase tuber size number and promote better rooting:

1st Application – Apply 3.2 fluid ounces per acre at tuber initiation stage.
2nd Application – Apply 3.2 fluid ounces per acre 2 to 3 weeks after the first application.

OR

To enhance tuber size and uniformity:

1st Application – Apply 3.2 fluid ounces per acre at tuber initiation.
2nd Application – Apply 3.2 fluid ounces per acre 2 at the onset of tuber bulking.

Carrots, Parsley, Radishes and Turnips

1st Application – Apply 3.2 fluid ounces per acre when the plants have three true leaves.
2nd Application – Apply 3.2 fluid ounces per acre 2 weeks after the first application.
3rd Application – Apply 3.2 fluid ounces per acre 2 weeks after second application.

Sweet Potatoes and Yams

1st Application – Apply 0.20 to .040 fluid ounces per acre on a band just wide enough to cover all the plants 7 to 14 days after transplanting.
2nd Application – Apply 0.50 fluid ounces per acre in a band as above at 28 days after transplanting.
3rd Application – Apply 0.10 fluid ounces per week along with a foliar fertilizer such as 15-5-5 at the rate of 32 fluid ounces or 1 quart per acre. Continue this program on a weekly basis until the potatoes have desirable harvest size.

FOLIAR SPRAY PROGRAM FOR FRUIT CROPS

Citrus (Grapefruit, Lemon, Lime and Orange)

1st Application – Apply 3 - 6 fluid ounces per acre at first bloom.

1st Application – Apply 3 - 6 fluid ounces per acre shortly prior to or at first bloom.

2nd Application – Apply 3 - 6 fluid ounces per acre 2 to 3 weeks after

Pome (Apple, Mayhaw)

1st Application – Apply 3 - 6 fluid ounces per acre shortly prior to or at 2nd Application – Apply 3 - 6 fluid ounces per acre 2 to 3 weeks after the first application.

Stone (Peach)

1st Application – Apply 3 - 6 fluid ounces per acre shortly prior to or at first bloom.
2nd Application – Apply 3 - 6 fluid ounces per acre 2 to 3 weeks after the first application.

Strawberries and Grapes

1st Application – Apply 3.2 fluid ounces per acre shortly prior to or at the first application.

FOLIAR SPRAY PROGRAM FOR FIELD CROPS

Cotton – Non-Transgenic Varieties

Apply according to one of the following schedules:

Schedule A:

1st Application – Apply 3 fluid ounces of Biofac SurgePro per 50 pounds of seed the hopper box.

OR

Apply 2 fluid ounces of Biofac SurgePro per acre in the seed furrow at planting.

2nd Application – Apply 3 fluid ounces per acre at the pinhead square stage. This can be applied in a tank mix that contains 4 fluid ounces per acre of Mepex® Plant Regulator brand mepiquat chloride.

3rd Application – Apply 4 fluid ounces per acre at early bloom.

Schedule B:

1st Application – Apply 2 fluid ounces per acre on a band at the three to seven leaf stage.

2nd Application – Apply 2 fluid ounces per acre at the pinhead square stage. This can be applied in a tank mix that contains 4 fluid ounces per acre of Mepex® Plant Regulator mepiquat chloride.

3rd Application – Apply 3 fluid ounces per acre at early bloom.

Cotton – Transgenic Varieties

(Cotton varieties which have been genetically manipulated to have insect-resistance and/or herbicide-resistance built in)

1st Application – Use according to one of the following methods.

Apply 3 fluid ounces of Biofac SurgePro per 50 pounds of seeds in the hopper box.

OR

Apply 2 fluid ounces per acre in the seed furrow at planting.

2nd Application – At the pinhead square stage apply 4 fluid ounces per acre of Biofac SurgePro. This can be applied in a tank mix that contains 4 fluid ounces per acre of Mepex® Plant Regulator mepiquat chloride.

3rd Application – Repeat the above application at first bloom. If needed for vegetative growth control, repeat the above application at mid-bloom.

Higher rates and/or late season applications may be warranted under high stress conditions where square and/or boll retention is needed. During the bloom and post-bloom period, additional rates of Biofac SurgePro may be applied but do not exceed a total of 24 fluid ounces per acre per season.

Field Corn

Biofac SurgePro works best on varieties that have a tendency for multiple earing.

1st Application – Apply 3.2 fluid ounces per acre at the 3 – 4 leaf stage.



2nd Application – Apply 3 - 6 fluid ounces per acre 2 to 3 weeks later. Additional applications at 3 – 6 fluid ounces per acre may be made if there is an extended bloom period.

Grain Sorghum

1st Application – Apply 3.2 fluid ounces per acre at the three to five leaf stage.

2nd Application – Apply 3.2 fluid ounces per acre after the eight but before the twelfth leaf stage.

Peanuts

1st Application – Apply 3.2 fluid ounces per acre at the three to five leaf stage.

2nd Application – Apply 3.2 fluid ounces per acre the early flowering.

3rd Application – Apply 3.2 fluid ounces per acre at initial pegging.

2nd Application – Apply 4.8 fluid ounces per acre 2 weeks after pegging (early pod fill).

Soybeans

Apply to foliage according to one of the following recommended schedules:

Schedule A:

1st Application – Apply 3.2 fluid ounces per acre at the three to five trifoliate leaf stage.

2nd Application – Apply a second application of 3.2 fluid ounces prior to bloom.

OR

Schedule B:

If the first application is missed, apply 6.4 fluid ounces per acre prior to bloom.

Sugar Beets

1st Application – Apply 3.2 fluid ounces per acre after thinning.

2nd Application – Apply 3.2 fluid ounces per acre 2 to 3 weeks after the first application.

Sugarcane

1st Application – Use one of the following methods.

Apply 2 fluid ounces per acre in the furrow at planting.

OR

Apply 3.2 fluid ounces per acre at the two to three leaf stage.

2nd Application – Apply 3.2 fluid ounces per acre on monthly intervals throughout the production season for maximum benefit.

Alfalfa, Barley, Oats, Rye and Wheat

Apply according to one of the following schedules:

Schedule A:

1st Application - Apply 3.2 fluid ounces per acre prior to jointing.

2nd Application – Apply an additional 3.2 fluid ounces at the flag leaf stage.

OR

Schedule B:

If the first application is missed in Schedule A, apply 6.4 fluid ounces per acre at the flag leaf stage.

Flax

1st Application - Apply 3.2 fluid ounces per acre when the plant is 2 to 4 inches tall.

2nd Application – Apply an additional 3.2 fluid ounces per acre 2 to 3 weeks later.

Sunflowers

1st Application - Apply 3.2 fluid ounces per acre at four true leaves.

2nd Application – Apply an additional 3.2 fluid ounces per acre 2 to 3 weeks later.

2nd Application – Apply 3.2 fluid ounces per acre after the eight but before the twelfth leaf stage.

FOLIAR SPRAY PROGRAM FOR RICE

Biofac SurgePro should be applied at 3.2 fluid ounces per acre as a foliar spray to the plant *during either one* of the following stages of development.

PRIMARY RECOMMENDATIONS – THREE TO SEVEN LEAF

STAGE: This application must be made after the rice seeding has three fully emerged leaves and the fourth leaf is beginning to emerge but before the seeding has completed development of seven leaves or three tillers. This period for application generally begins about 3 to 6 weeks after seeding and ends 5 to 9 weeks after seeding. The duration of the period depends on the variety and the growing conditions. This application may be made in conjunction with corresponding herbicide applications.

ALTERNATE RECOMMENDATION – TWO MILLIMETER (mm)

PANICLE GROWTH STAGE: If the primary application is missed, Biofac SurgePro can be applied to stimulate cell differentiation in the developing panicle. This application must be made when no more than 10% of the main culms are at the 2 mm panicle growth stage. The 2 mm panicle growth stage occurs immediately after the internode elongation or joint movement has begun. Biofac SurgePro must be applied as soon as internode elongation is detected so the 2 mm panicle growth stage is not missed. It is better to apply slightly early than apply late.

IMPORTANT: Timing of the application at 2 mm growth stage is critical. Check the entire field for stage of plant development. Large fields may require split applications on upper and lower ends of the field to ensure proper timing throughout the field.

TURFGRASS

On all turfgrass regardless of use, no more than 6 fluid ounces per 1,000 square feet per month should be used.

WARM SEASON TURF: (Bermuda, Bermuda hybrids, Zoysia, Centipede, St. Augustine, Etc.) For lower traffic areas and where Biofac SurgePro is used as a maintenance program, begin applications early in the growing season. Apply at the rate of 1 to 1.5 fluid ounces per 1,000 square feet. Maintenance application should be made on a 2 to 3 week schedule throughout the growing season. Applications may be made with foliarly-applied urea for added benefits.

COOL SEASON TURF: (Tall Fescue, Rye, Bentgrass, Bluegrass, etc) Apply 1.5 to 2 fluid ounces per 1,000 square feet in fall, or when stand is established. Repeat application late winter when grasses begin to grow actively.

APPLICATION WITH FOLIARLY-APPLIED UREA: Maximum benefit and color can be achieved when Biofac SurgePro applications are made with foliarly-applied urea solutions. To prepare urea solution, dissolve 46% urea into spray solution at the rate of 1 pound per 5,000 square feet to be sprayed and apply with recommended rate of Biofac SurgePro.

SPECIFIC RATES OF APPLICATION

TEES & GREENS: Apply 1 to 1.5 fluid ounces per 1,000 square feet on a 2 week schedule throughout the growing season. Begin in early spring after grasses have begun to actively grow. Apply 1 fluid ounce per 1,000 square feet and repeat on a monthly schedule as long as grass is growing.

PRE-TOURNAMENT QUICK GREEN-UP: Apply at the rate of 1 to 1.5 fluid ounces per 1,000 square feet in conjunction with urea solution 4 to 5 days prior to playing time. Make application with a minimum spray volume of 0.50 gallon of water per 1,000 square feet.

SPRING DORMANCY BREAK: Apply 1 fluid ounce per 1,000 square feet in spring as soon as new growth (opening) is visible. Raking of thatch prior to making this application is more desirable. Application

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FALL APPLICATION FOR WINTER HARDINESS:

Make two applications 7 to 10 days apart in late summer or early fall just prior to the cessation of normal active growth. Apply 1 to 1.5 fluid ounces per 1,000 square feet. Make application with a sprinkler volume of 0.50 gallon of water per 1,000 square feet. Applications at this time will greatly increase root mass and depth of roots. Winter kill problems are often greatly reduced.

at this time generates rapid growth and often reduces incidence of "spring die back" on certain species of grass.

**BIOFAC SURGEPRO IS NOT A FERTILIZER.
ALWAYS USE WITH GOOD FERTILIZER PRACTICES.**

COMMERCIAL TURF, CEMETERIER, ATHLETIC FIELDS, GOLF COURSES, AND OTHER FINE TURF AREAS:

Applications of 1 or 2 fluid ounces per 1,000 square feet made at any point during the growing season will produce desirable results. Make applications during the very early growth stages and continue on a regular monthly schedule throughout the growing season. Healthier and more beautiful turf can be realized in high traffic areas such as golf greens and tees by making regular applications every 2 weeks.

SOD FARMS

Apply 4 to 8 fluid ounces per acre on a monthly basis during the growing season. Two weeks prior to cutting sod, make an application of 4 to 8 fluid ounces per acre.

SPECIFIC RATES OF APPLICATION

After sod is cut, a re-establishment program is necessary. This program should start as soon as there is any greening over 30% of the area. Spray with 4 to 8 ounces per acre 2 weeks before dormancy.

Start the monthly program again as soon as some green-up has started in the spring. When species started from seed have reached 1 inch of height the monthly treatment must be started and followed in the same way as non-seeded varieties.

SPECIAL NOTE FOR ALL DIRECT SEED GRASSES

Acting through its unique combination of plant growth regulators, Biofac SurgePro is a ready-to-use seed dressing that aids in enhancing germination and early season root at top growth.

Biofac SurgePro can be used at the rate of 2 to 4 fluid ounces per 100 pounds of seed. Sufficient water needs to be added to insure uniform coverage. Improper coverage will minimize product performance.

WARRANTY STATEMENT

All statements concerning the use of this product apply only when used as directed. THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THIS LABEL. Read all instructions carefully.

The **Directions of Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of SurgePro (the manufacturer) or Biofac Crop Care, Inc. as seller. All such risks shall be assumed by the Buyer.

Biofac Crop Care, Inc. (the manufacturer) warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above.

SurgePro and Biofac Crop Care, Inc., makes no other expressed or implied warranty of Fitness or Merchantability or any other expressed or implied warranty. In no case shall SurgePro or Biofac Crop Care Inc. as the seller be liable for consequential special or indirect damage resulting from the use or handling of this product.

SurgePro and Biofac Crop Care, Inc. offer the product and the Buyer and user accept it subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of SurgePro.

Biofac® is a trademark of Biofac Crop Care Inc., Mathis, TX USA
SurgePro is pending registered trademark of Biofac Crop Care, Inc.
Mepex® is a registered trademark of Griffin Corporation