

BioGain® WSP® + Sprint® 330

Biostimulant in Water Soluble Packets

For newly seeded or established turf, sod and landscaping plants

BioGain WSP + Sprint 330 is a unique, dry, water soluble combination of chelated iron micronutrient, natural humic substances, seaweed extract and a proprietary blend of natural sugars, vitamins, amino acids and beneficial bacteria. BioGain WSP + Sprint 330 is designed for use in spray application programs to reduce stress and stimulate root growth through enhanced water and nutrient uptake, and to correct iron deficiencies in grasses and landscaping plants.

Product Benefits

- reduces stress by stimulating root growth and nutrient uptake
- corrects iron deficiencies by offering a DTPA source of iron
- iron performs in pH range of up to 7.5

GUARANTEED ANALYSIS

0-0-3

Soluble Potash (K₂O)3.0%
Iron (Fe)8.0%

Derived from: Potassium Hydroxide, Seaweed Extract and Iron DTPA.

NON-PLANT FOOD INGREDIENTS

Humates and Humic Acids10.0%
Seaweed Extract (Ascophyllum nodosum)8.0%
Natural Sugars (sucrose), Vitamins (B-Complex, K),
Amino Acids and Beneficial Bacteria5.0%
Buffering Agents5.0%
Beneficial BacteriaApprox.180 billion CFU/lb.

Directions for Use

BioGain WSP + Sprint 330 has a pH near neutral. As a result, BioGain WSP + Sprint 330 can be tank mixed with most pesticides and fertilizers. Since the iron is fully chelated, BioGain WSP + Sprint 330 can be tank mixed with fertilizers containing phosphorus and/or slow release nitrogen without causing precipitation or gelling.

APPLICATIONS

Application	Rate/Acre	WSPs/Acre	Timing
Established Greens and Tees Cool Season Turf <i>(late Spring through early Fall)</i>	1 lb. 2 lb.	1 2	Weekly Bi-weekly
Established Greens and Tees Warm Season Turf	1 lb. 2 lb.	1 2	Weekly Bi-weekly
Overseed	2 lb.	2	Apply at 2-week intervals through growing season
Overseeded Warm Season Turf	2 lb.	2	Bi-weekly throughout winter months
Fairways	2 lb.	2	1-2 times at 2 week intervals to aid in tournament/ pest recovery
Sod	4 lb.	4	30-45 days before lifting or immediately after transplanting.
Trees and Shrubs	4 WSPs per 100 gal mix (378 L)		Soil inject or apply 5 gallons tank mix solution to root ball when transplanting
Annual Bedding Plants	2 WSPs per 100 gal mix (378 L)		Use as a soil drench at first watering

Minimum dilution is 50 gallons (189 liters) of water per acre. Use caution when spraying flowers to avoid potential staining from iron. Products containing iron should not be applied in combination with aluminum based fungicides.

LIMITED WARRANTY

Becker Underwood offers for sale the product BioGain®WSP® + Sprint; there are no warranties of merchantability or fitness for a particular purpose which extend beyond the description of the product in this specification sheet or other product literature. Liability of Becker Underwood is limited to replacement of any product which does not meet these specifications. Suggestions for use and information of results obtained with its use are assumed by the manufacturer to be reliable. Since conditions of use are outside the control of Becker Underwood the buyer is responsible for all results, including injury and damage stemming from the use of this product alone or in combination with other materials.

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Ingredient Summary

Humic Acids

- Rich in auxin type substances which enhance antioxidant synthesis—important to increase plant metabolism under stress conditions.
- An important high carbon food source for soil microorganisms.
- Improves the permeability of cell wall membranes in roots allowing more rapid absorption of nutrients essential to plant health.
- Especially helpful on high sand content soils.

Seaweed Extract

- Contains high levels of cytokinins, which are normally synthesized in plant roots (cytokinins are known to promote cell division, lateral bud growth, and delay the aging process of plant tissue).
- Improves plant metabolism by increasing antioxidant synthesis under stress conditions.
- Stimulates root growth after root systems are cut, damaged by disease or root feeding insects, or not fully viable due to temperature, moisture or salt stress conditions.

Sucrose

- Serves as a high energy food source for plants and soil microorganisms.

B-Complex and K Vitamins

- Vitamins are important catalysts to enhance and drive plant growth metabolism. A plant is capable of synthesizing vitamins, but root or leaf tissue loss decreases a plant's ability to manufacture them. For example, vitamin B1 is widely used in nursery plant cuttings to aid in rooting.

Amino Acids

- Amino acids are the building blocks of protein which are essential for plant metabolism.

Beneficial Bacteria

BioGain WSP contains 6 species of naturally occurring, spore-forming bacteria: *Bacillus subtilis*, *B. licheniformis*, *B. amyloliquefaciens*, *B. pumilus*, *B. megaterium* and *Paenibacillus polymyxa*.

- Bacteria activities aid in degradation of thatch and soil organic matter to release nutrients for plant utilization.
- *P. polymyxa* can fix atmospheric nitrogen in forms useful for plants, such as ammonia.
- *B. megaterium* aids solubilization of mineral phosphorus which may be unavailable to plants otherwise.
- *B. subtilis* and *B. licheniformis* may help suppress certain pathogenic fungi through competition and production of antibiotic substances.

Frequently Asked Questions

What are the advantages in using BioGain WSP + Sprint 330?

BioGain WSP + Sprint 330 will:

- Get the plant root system back into production when stressed.
- Improve soils by stimulating the energy system for soil microorganisms.
- Correct iron deficiencies through foliar and root uptake.

Where should I use BioGain WSP + Sprint 330?

Use BioGain WSP + Sprint 330 on:

- Established turf and plants with pesticides and fertilizers to aid in stress recovery.
- Sod preharvest or after installation to enhance root regeneration and help sod tack quickly.
- Annuals, trees and shrubs as a soil drench or foliar spray to reduce transplant shock.
- Newly seeded turf to aid in seedling hardiness.

How will BioGain WSP + Sprint 330 save me time?

The BioGain water soluble packet (WSP) brings you pre-measured convenience, which means:

- NO MORE mess
- NO MORE measuring
- NO MORE triple rinsing jugs
- NO MORE shaking settled contents back into solution