



*Known Worldwide
For Being Simply
the **Best...**
Natural Fertilizers
& Soil Builders*

Recommended Use:

Sustane 5-2-4+Fe is the all-purpose turf food and is available in either Medium Grade (lawn and fairway applications) or Fine Grade for putting greens. Suitable for use on all turfgrass types providing quick green up followed by long lasting slow release organic nitrogen. Use where even growth and color is needed for six to eight weeks.

Description:

Sustane 5-2-4+Fe is the original Sustane formula first created in 1988. As this was the first Sustane product available on the market, it soon became the standard organic evaluated by numerous universities. Michigan State University, Cornell, University of Rhode Island were three of the first research facilities to discover that Sustane 5-2-4+Fe was highly suppressive of common diseases affecting cool season grasses including root Pythium, Necrotic Ring Spot, Red Thread and to a lesser extent various patch diseases. More organic fertilizer studies have been run utilizing Sustane 5-2-4+Fe as the standard against which all other “organics” are compared.

5•2•4+Fe

SUSTANE®

**GRANULATED NATURAL BASED
SLOW RELEASE NITROGEN FERTILIZER**

Benefits of Sustane® 5•2•4+Fe

- Increases the nutrient and water holding capacity of the soil
- Strengthens plants’ tolerance against hot, dry conditions
- Promotes greater root development
- Improves buffering against changes in soil pH
- Increases the soil’s ability to suppress plant pathogens
- Enhanced disease suppression
- Increased soil porosity and stability for greater root development and water holding capacity
- Provides quick green up followed by six to eight weeks of even color and growth

**Enhanced Disease Suppression
Begins with Sustane Natural Based Fertilizers**

Results of studies conducted over the past 20 years have clearly shown the potential for compost amendments to reduce the severity and incidence of a wide variety of turfgrass diseases. For best results in disease suppression apply either as a topdressing after core aeration, as a late autumn winter cover, mixed as a root zone amendment or better yet use as the standard fertilizer treatment three to four applications per growing season.

Studies have shown that applying Sustane 5-2-4 plus Iron results in a significant decrease in many turfgrass diseases. The numbers below represent the percent decrease in severity of turfgrass diseases.

Organic Amendment	Brown Patch	Dollar Spot	Red Thread	Pythium Root Rot
Sustane 5-2-4+Fe	75.0	30.3	78.7	52.6
Fungicide Standard	88.9	97.0	---	42.1
Sludge Compost	8.3	0.0	0.0	---
Leaf Compost	38.9	4.5	0.0	---
Horse Manure Compost	0.0	0.0	0.0	---

Credit Dr. Eric Nelson, Cornell University

Sustâne® 5•2•4+Fe

NATURAL BASED

PRODUCT SPECIFICATIONS

Fine and Medium Grades Application Information:

Sustâne® 5-2-4 with Iron granulated slow release fertilizer and soil builder should be part of any sound integrated turf management and long term soil building program. Applications of Sustâne® 5-2-4 with Iron throughout the year will continually replenish the soil with a rich supply of humus and microbes, which contribute to the efficient uptake of plant nutrients.

*Sustâne® Integrated Turf Program**

The following chart shows the recommended amounts of Sustâne® 5-2-4 with Iron for a typical integrated program.

SPECIAL USE APPLICATIONS	GREENS & TEES		FAIRWAYS, ATHLETIC FIELDS, PARKS & LAWN CARE	
	Rate (lb./1000 ft ²)	Application Frequency	Rate (lb./1000 ft ²)	Application Frequency
Early Feeding	10-20	1-2	10-20	1-2
Turf Establishment	15-25	2	10-20	2
Summer Stress/Disease Prevention	10-20	Monthly	10-20	Monthly
Core Aeration	10-20	1-2	10-15	2
Overseeding	10 15 15	At Overseeding 30 Days Following 60 Days Following	10 15 15	At Overseeding 30 Days Following 60 Days Following
Dormant Feeding	20	Prior to Dormancy	20	Prior to Dormancy
Snow Mold	20-30	1 Late Season 1 Early Spring	20-30	1 Late Season 1 Early Spring

*NOTE: Adjust fertilizer program for local conditions and requirements.

Northern Turf

Athletic Fields, Parks, and Lawncare-

Apply 2-3 times per season. Spring and Fall rate 20 lb. per 1000 ft²; Summer rate 15 lb. per 1000 ft²

Greens and Tees- Apply 3-4 times per season.

Spring and Fall rate 20 lb. per 1000 ft²
Summer rate 15 lb. per 1000 ft²

Southern Turf

Athletic Fields, Parks, and Lawncare-

Apply 4-7 times per season at a rate not exceeding 20 lb. per 1000 ft² per application.

Greens and Tees- On Bermuda Grass, 20 lb.

per 1000 ft² per application every 30-45 days or as dictated by clipping weight.

Coverage

50 lb. covers 2500 ft² @
1 lb. N per 1000 ft² (44 lb. N per acre)
22.67 kg covers 232 m² @
0.5 kg N per 100 m² (50 kg N per hectare)
20 lb. per 1000 ft²
100 g per 1 m²

Available particle sizes:

Medium Grade, 200 SGN (2.8 mm - 1.4 mm)
Fine Grade, 100 SGN (1.4 .mm - 0.6 mm)

Guaranteed Analysis

Total Nitrogen (N)	5%
1.1% Ammoniacal Nitrogen	
3.5% Water Insoluble Nitrogen*	
0.15% Urea Nitrogen	
0.25% Other Water Soluble Nitrogen	
Available Phosphate (P ₂ O ₅)	2%
Soluble Potash (K ₂ O).....	4%
Calcium (Ca).....	3%
Iron (Fe)	2%

Derived from aerobically composted turkey litter, methylene urea, ammonium sulfate, iron sulfate and sulfate of potash.

*3.5% slowly available nitrogen from aerobically composted turkey litter and methylene urea

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