



**SUSTANE**  
Naturally...

# 5-2-10+FE

## NATURAL BASED SLOW RELEASE NITROGEN FERTILIZER

**KNOWN WORLDWIDE FOR SIMPLY THE BEST...  
...NATURAL FERTILIZER & SOIL BUILDERS!**

### **SUSTANE® 5-2-10+FE GRANULAR**

#### **Recommended Use:**

Sustane 5-2-10+Fe is the all-purpose turf food when the 1:2 N to K ratio is desired for building carbohydrate reserves in the root system. It 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 and potassium reserves need to be increased.

#### **Description:**

Sustane 5-2-10+Fe combines Sustane organic compost base with iron sulfate organically chelated during the active aerobic composting phase providing for slow release iron for enhance chlorophyll production and turf color without excessive top growth. This is the ideal 1:2 N to K organic based fertilizer for summer and early autumn feeding.

*Additional potassium is supplied for sandy soils and USGA type putting greens where potash is often lost through leaching.*

#### **Professional Grade**

Sustane Natural Fertilizer is backed by over 30 years of independent applied research on diverse crops and ecosystems. Unmatched by any other organic fertilizer manufacturer, such research is the foundation for developing products that deliver value under a wide variety of growing conditions. The superior performance of Sustane's products is recognized by growers from around the world.

1:2 N TO K - ADDITIONAL  
POTASSIUM FOR SANDY  
SOILS AND USGA TYPE  
PUTTING GREENS

#### **Benefits of Sustane Aerobic Compost, used as a base ingredient in 5•2•10+Fe**

- 70% SRN for potassium deficient turf swards
- Increases the nutrient and water holding capacity of soil
- Strengthens plants' tolerance of hot, dry conditions
- Promotes greater root development
- Improves buffering against changes in soil pH
- Increases soil's ability to suppress plant pathogens
- Enhances natural soilborne disease suppression
- Increases soil porosity and improves soil quality
- Provides quick green up followed by six to eight weeks of even color and growth.

#### **High Potassium to Nitrogen with an Organic Base**

For use on sandy soils and fast draining putting greens and high wear areas like driving ranges and tee boxes, Sustane 5-2-10+Fe is the first high-K natural base product on the turf market. Many other fertilizer manufacturers have tried to emulate the Sustane formula over the years. None have produced a product comparable and so complete as Sustane 5-2-10+Fe. Naturally occurring sulfate of potash (potassium sulfate) from the Great Salt Lake in Utah is the only source of potash utilized in Sustane Natural Fertilizers that supplements the naturally occurring organic potash derived from the Sustane compost base.

The organically chelated iron source will not burn or blacken turf grass. Rich in trace minerals and humic substances, Sustane 5-2-10+Fe is perfectly suited to amending low potash soils during periods of summer stress.

## Enhanced Disease Suppression Begins with Sustāne Natural Based Fertilizers

Results of studies conducted over the past 30 years have clearly shown the potential for compost amendments to naturally support soilborne disease suppression. Independent University trials have demonstrated that application of Sustāne 5-2-4 plus Iron can help reduce the severity and incidence of a wide variety of soilborne turfgrass diseases. The numbers below represent the percent decrease in severity of turfgrass diseases.

To improve soil health, apply as a topdressing after core aeration, as a late autumn winter cover, or mix as a root zone amendment. Optimally, use as the standard fertilizer treatment three or more times per growing season.

### APPLICATION INFORMATION:

Sustāne 5-2-10 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 Sustāne 5-2-10 with Iron throughout the year will continually replenish the soil with a rich supply of stabilized organic matter (humus) and microbes which contribute to the efficient uptake of plant nutrients.

### Sustāne Integrated Turf Program\*

The following chart shows the recommended amounts of Sustāne 5-2-10 with Iron for a typical integrated program.

SPECIAL USE APPLICATIONS	GREENS & TEES		FAIRWAYS, ATHLETIC FIELDS, PARKS & LAWN CARE	
	Rate (kg./100 M <sup>2</sup> - lb./1000 ft <sup>2</sup> )	Application Frequency	Rate (kg./100 M <sup>2</sup> - lb./1000 ft <sup>2</sup> )	Application Frequency
FALL FEEDING	4.9-9.8 / 10-20	1-2	4.9-9.8 / 10-20	1-2
SUMMER STRESS DISEASE PREVENTION	4.9-9.8 / 10-20	MONTHLY	4.9-9.8 / 10-20	MONTHLY
CORE AERIFICATION	4.9-9.8 / 10-20	1-2	4.9-9.8 / 10-15	2
ICE MELT	9.8-19.6 / 20-40	AS NEEDED	-	-

\*NOTE: ADJUST FERTILIZER PROGRAM FOR LOCAL CONDITIONS AND REQUIREMENTS.

#### Coverage

50 lb. covers 2500 ft<sup>2</sup> @ 1 lb. N per 1000 ft<sup>2</sup> (44 lb. N per acre)  
 22.67 kg covers 232 m<sup>2</sup> @ 0.5 kg N per 100 m<sup>2</sup> (50 kg N per hectare)  
 20 lb. per 1000 ft<sup>2</sup> = 100 g per 1 m<sup>2</sup>

#### Cool Season Turf - Athletic Fields, Parks, and Lawncare

Apply 2-3 times per season. Summer rate 20 lb. per 1000 ft<sup>2</sup>; Fall rate 15 lb. per 1000 ft<sup>2</sup>

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

Spring and Fall rate 20 lb. per 1000 ft<sup>2</sup>  
 Summer rate 15 lb. per 1000 ft<sup>2</sup>

#### Warm Season Turf- Athletic Fields, Parks, and Lawncare

Apply 4-7 times per season at a rate not exceeding 20 lb. per 1000 ft<sup>2</sup> per application.

**Greens and Tees** - On Bermuda Grass, 10 lbs. per 1000 ft<sup>2</sup> per application every 30-45 days or as dictated by clipping weight.

Item #	Package Size	Units / Pallet
<b>Sustāne 5-2-10+Fe</b>		
<i>FINE GRADE, SGN 100</i>		
40-40-1111	50 lb. bags	40 bags / pallet
40-40-1151	1-ton tote	1 tote / pallet
<i>MEDIUM GRADE, SGN 200</i>		
40-40-1311	50 lb. bags	40 bags / pallet
40-40-1351	1-ton tote	1 tote / pallet

#### 5-2-10+Fe Guaranteed Analysis

Total Nitrogen (N).....	5%
1.1% Ammoniacal Nitrogen	
3.5% Water Insoluble Nitrogen*	
0.2% Urea Nitrogen	
0.2% Other Water Soluble Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	2%
Soluble Potash (K <sub>2</sub> O).....	10%
Calcium (Ca).....	3%
Sulfur (S).....	6%
Iron (Fe).....	2%
<i>Derived from aerobically composted turkey litter, methylene urea, sulfate of potash and iron sulfate.</i>	
*3.5% slowly available nitrogen from aerobically composted turkey litter and methylene urea	

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