



18-1-8+FE

LONG LASTING, HIGH NITROGEN
FERTILIZER FOR GOLF COURSE FAIRWAYS,
ROUGHS, LAWN, AND SPORTS FIELDS

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

SUSTANE 18-1-8+FE

Recommended Use:

Sustane 18-1-8+Fe is a two-part blend with four-way release of nitrogen. Recommended for use on all outfield turf surfaces, tees, collars, fairways, and sportfields. Delivering CRF technology combined with Sustane's natural organic compost base provides 12 - 16 weeks controlled release nutrition whilst encouraging long term soil and plant health benefits.

Description:

The controlled release portion of the material is made from industry leading polymer coated sulfur coated urea. Nutrient release rates from Sustane 18-1-8+Fe are based on soil or substrate temperature and microbial activity and prevents dumping of nutrients.

Professional Grade

Sustane products are derived from biologically stable humus-rich compost and contain both water soluble nitrogen (WSN) and slow release nitrogen (SRN), beneficial microbiology, and all 17 elements essential for plant photosynthesis. With a near-neutral pH, a low salt index and low ammonium nitrogen percentage, Sustane will not cause seedling stress or plant fertilizer "burn". Sustane products increase soil cation exchange capacity (CEC) by supplying humates and stable organic matter. Sustane's organic and blended natural fertilizers provide all soil types with additional buffering capacity, allowing for more consistent and productive growth.

TWO-PART BLEND WITH
FOUR-WAY RELEASE
OF NITROGEN

90-120-DAY NUTRIENT
RELEASE AT 70°F (21°C)

Benefits of Sustane 18-1-8+Fe CRF

- Combines 4 different forms of nitrogen: 3 types of slow release including Sustane Organic N, PCSCU, methylene urea and 1 form of quick release nitrogen from ammonium sulfate
- 15.3% (85% of total N) is slow release nitrogen
- 18-1-8+Fe is extremely safe and will not burn or discolor turfgrass
- Uniform particle size allows for even application
- Long lasting Sustane 18-1-8+Fe provides steady, slow growth with excellent color for up to four months



APPLICATIONS AND RATES

IMPERIAL					METRIC				
50-lb. bag covers 9,000 sq. ft. at 1 lb. N per 1,000 sq. ft.					22.67-kg. bag covers 84 sq. m. at 0.5 kg. N per 100 sq. m.				
Standard Appl. Rates	Appl. Rate Lb. Product per 1,000 ft. ²	Supplies Lb. N per 1,000 ft. ²	Appl. Rate Lb. Product per Acre	Supplies Lb. N Per Acre	Appl. Rate Kg. Prod. Per 100 m ²	Appl. Rate Grams Prod. Per 1 m ²	Supplies Grams N Per 1 m ²	Appl. Rate Kg. Prod. Per Hectare	Supplies kg. N Per Hectare
Full Rate	5.6	1	242	44	2.7	27	4.9	271	48.8
Half Rate	2.8	0.5	121	22	1.4	14	2.4	136	24.4
Quarter Rate	1.4	0.25	61	11	0.7	6.8	1.2	68	12.2

TURF COVERAGE

50 lb. covers 9000 ft² @ 1 lb. N per 1000 ft² provides 44 lb. N per acre
 22.67 kg covers 836 m² @ 0.5 kg N per 100 m² provides 50 kg N per Ha
 5.5 lb. per 1000 ft² / 2.8 kg per 100 m²

Cool Season Grasses

Golf course tees fairways collars, sportsfields and lawncare

Standard maintenance rates, Spring, Summer, Fall:

5.5 lb. to 10 lb. per 1000 ft² (2.5 kg to 4.5 kg per 100 m²) depending on N requirement

Warm Season Grasses

Golf course fairways, roughs, sportsfields, parks and lawncare

Standard maintenance rates:

2.75 lb. to 5.5 lb. per 1000 ft² for .5 lb.-1 lb. N/1000 ft² (1.4 kg to 2.8 kg per 100 m²) per application at frequency determined by clipping yields.

Storage

Store in a cool, dry place. Do not expose to moisture or extreme temperatures.

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

Item #	Package Size	Units / Pallet
Sustāne 18-1-8+Fe		
<i>MEDIUM GRADE SGN 200</i>		
<i>(2.8 mm - 1.4 mm)</i>		
40-90-1111	50 lb. bags	40 bags / pallet
40-90-1151	1-ton tote	1 tote / pallet
40-90-1175 (international)	22.68 kg bags	44 bags / ISPM pallet



18-1-8+Fe Guaranteed Analysis

Total Nitrogen (N)	18%
2.2% Ammoniacal Nitrogen	
2.6% Water Insoluble Nitrogen**	
11.0% Urea Nitrogen*	
2.2% Other Water Soluble Nitrogen**	
Available Phosphate (P ₂ O ₅)	1%
Soluble Potash (K ₂ O)	8%
Calcium (Ca)	1%
Sulfur (S)	6%
Iron (Fe)	1%

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

*10.5% slow release nitrogen from polymer coated sulfur coated urea.

**4.8% slowly available nitrogen from aerobically composted turkey litter and methylene urea.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

SUSTÅNE
Naturally... 

18-1-8+FE
CONTAINER AND
FIELD TOPDRESS

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

SUSTÅNE 18-1-8+FE WITH **NUTRALENE + POLYMER COATED SCU**

Suståne 18-1-8 plus Iron is a two-part blend with four-way release of nitrogen for fairways, roughs, lawns, sports fields and containers. The most economical coverage of any organic based fertilizer.

12 - 16 week release rates

The controlled release portion of the material is made from industry leading polymer coated sulfur coated urea. Nutrient release rates from Suståne 18-1-8+Fe are based on soil or substrate temperature and microbial activity. The sophisticated two mechanism release matches plant nutrient requirements over the production cycle and prevents dumping of nutrients.

Professional Grade

Suståne products are derived from biologically stable humus-rich compost and contain both water soluble nitrogen (WSN) and slow release nitrogen (SRN), beneficial microbiology, and all 17 elements essential for plant photosynthesis. With a near-neutral pH, a low salt index and low ammonium nitrogen percentage, Suståne will not cause seedling stress or plant fertilizer "burn". Suståne products increase soil cation exchange capacity (CEC) by supplying humates and stable organic matter. Suståne's organic and blended natural fertilizers provide all soil types with additional buffering capacity, allowing for more consistent and productive growth.

**NUTRALENE + POLYMER
COATED SCU 85% SRN
90-120-DAY NUTRIENT
RELEASE AT 70°F (21°C)**

Benefits of Suståne 18-1-8+Fe CRF

- Suståne 18-1-8+Fe is the longest lasting slow release nitrogen fertilizer made by Suståne.
- Combines 4 different forms of nitrogen: 3 types of slow release including Suståne Organic N, PCS-CU, methylene urea and 1 form of quick release nitrogen from ammonium sulfate
- 15.3% (85% of total N) is slow release nitrogen
- 18-1-8+Fe is extremely safe and will not burn or discolor turfgrass
- Uniform particle size allows for even application
- Long lasting Suståne 18-1-8+Fe provides steady, slow growth with excellent color for up to four months
- Also used as top dress fertilizer for carry over nutrition in containerized nursery plants and perennial shrub beds (*Please see recommended application rates in the Suståne Natural Base Fertilizers for Nursery, Greenhouse & Landscape technical brochure.*)



APPLICATIONS AND RATES

CONTAINER TOPDRESSING APPLICATION RATES IN GRAMS

CONTAINER SIZE									
RATE	5" Std. (12.7 cm)	6" Std. (15 cm)	1 gallon (3.8 L)	2 gallon (7.6 L)	3 gallon (11.4 L)	5 gallon (19 L)	7 gallon (26.5 L)	10 gallon (37.9 L)	15 gallon (56.8 L)
LOW	2	3	4	9	16	25	35	43	46
MED	4	7	10	22	37	60	78	103	111
HIGH	5	4	16	32	57	92	131	159	170

Low Rate: Recommended for salt sensitive species; when concurrent with liquid feed; with production systems utilizing low leaching fractions (less than 10%); and when applied to heavy potting substrates (total porosity less than 65%).

Medium Rate: Recommended for use on medium feeding species; on most nursery stock and foliage plants; and when liquid feed is not performed.

High Rate: Recommended for use on heavy feeding species; with production systems utilizing high leaching fractions (greater than 20%); and when applied to light, porous substrates (total porosity greater than 80%).

TURF COVERAGE

50 lb. covers 9000 ft² @ 1 lb. N per 1000 ft² provides 44 lb. N per acre
 22.67 kg covers 836 m² @ 0.5 kg N per 100 m² provides 50 kg N per Ha
 5.5 lb. per 1000 ft² / 2.8 kg per 100 m²

Cool Season Turf

Athletic Fields, Parks and Lawncare

Apply 2-3 times per season.

Spring and Fall: 5.5 lb. per 1000 ft² (2.8 kg per 100 m²)

Summer: 2.75 lb. per 1000 ft² (1.4 kg per 100 m²)

Warm Season Turf

Athletic Fields, Parks and Lawncare

Apply 5-7 times per season not exceeding 5.5 lb. per 1000 ft² (2.8 kg per 100 m²) per application.

Spreader Settings (may vary due to walking speed and ground conditions)

LESCO: Gage# 17 - 13

Scotts R8: 'K 1/2' - 'I 1/2'

Vicon: 42 - 21

Storage

Store in a cool, dry place. Do not expose to moisture or extreme temperatures. For best results, use by expiration date printed on label.

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

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40-90-1175 (international)	22.68 kg bags	44 bags / ISPM pallet

DISTRIBUTED BY:

18-1-8 FE BULK DENISTY

ROUNDED MEASURE	GRAMS
1 teaspoon	3.2
1 Tablespoon	9.5
1 oz.	19
1/4 cup	38
1/2 cup	76
18-1-8 Cup	152

Guaranteed Analysis

Total Nitrogen (N) 18%
 2.2% Ammoniacal Nitrogen
 2.6% Water Insoluble Nitrogen**
 11.0% Urea Nitrogen*
 2.2% Other Water Soluble Nitrogen**

Available Phosphate (P₂O₅) 1%
 Soluble Potash (K₂O) 8%
 Calcium (Ca) 1%
 Sulfur (S) 6%
 Iron (Fe) 1%

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