



IsoTek³¹ 19-0-19



Fertilizer with 77% CRN,
SOP and 1.3% Iron

Contains:



A premium, homogeneous fertilizer based on IBDU slow-release nitrogen and Meth-Ex 40 methylene urea complex produced by LebanonTurf's patented Composite Technology granulation process, for high quality, closely-mowed turf.

GUARANTEED ANALYSIS

Total Nitrogen (N)	19%
7.3% Water Insoluble Nitrogen	
4.2% Urea Nitrogen	
7.5% Other Water Soluble Nitrogen	
Soluble Potash (K₂O)	19%
Magnesium (Mg).....	0.7%
0.7% Water Soluble Magnesium (Mg)	
Sulfur (S).....	6.7%
6.7% Combined Sulfur (S)	
Iron (Fe).....	1.3%
0.13% Water Soluble Iron (Fe)	
Manganese (Mn).....	0.5%
0.08 Water Soluble Manganese (Mn)	
Chlorine (Cl) not more than.....	2.0%
Derived from: Isobutylidene Diurea, Methylene Ureas, Urea, Sulfate of Potash, Sulfate of Potash Magnesia, Ferric Oxide, Ferrous Sulfate, Manganese Sulfate	

Notice: This product contains the secondary nutrient Iron which may stain concrete surfaces. To avoid discoloration, do not apply on dry or water dampened concrete and remove from these areas promptly after application by sweeping or blowing. Do not wash off with water.

Uses & Features:

IsoTek31 19-0-19 is formulated as a 1:1 N:K product for greens, tees, and other closely-mowed turf where potash and nitrogen are delivered at the same rate. A premium, homogeneous fertilizer which delivers both isobutylidene diurea (IBDU) and methylene urea (Meth-Ex 40) in the most efficient nitrogen package available. Nitrogen becomes available from IBDU and Meth-Ex 40 by different release mechanisms, hydrolysis and microbial activity, for reliability under the widest range of growing conditions. 37% of the nitrogen is WIN from IBDU and Meth-Ex 40 and 77% of the nitrogen is controlled-release.

Specifications:

Product Number: 21-52974
Packaged: 50 LB. Bag, 45 bags/pallet

Rates & Spreader Settings:

Lbs N/M	Lbs per 1,000	Lbs Required for One Acre	Acres Per One Ton	Sq.Ft. Covered Per Bag	Product Required for 25 Acres
0.5	2.6	115	17.4	19,000	57 bags
1.0	5.3	229	8.7	9,500	115 bags
1.5	7.9	344	5.8	6,300	172 bags

Suggested Spreader	Rates in Lbs/1,000 Sq. Ft.	
	5.3	2.6
ProScape® SS/PrizeLAWN® BF-1/SS/GBR III	J	G
PennMulch® HVO/PrizeLAWN® BF-HVO	J	G
Earthway Rotary	14	11
Lesco (letter dial/numeric dial)	H / 17	E / 15
Scotts AccuPro 2000/SR-2000	H	F
Scotts R8A Rotary	K	H
Scotts R7X Rotary	F	F
Spyker Rotary	3.5	1.5

Improving the Way Professionals Care for Turf

These settings were calibrated and field tested. However, age and condition of spreader, speed of operation, and evenness of terrain may require slightly different settings for desired coverage.

PRODUCT BID SPECIFICATION



19-0-19

Description: A granular fertilizer of SGN (Size Guide Number) 100 which features methylene urea complex nitrogen and Isobutylidene diurea (IBDU), produced by LebanonTurf's patented Composite Technology process, free flowing and substantially noncaking granules which are free of foreign materials.

Analysis:	Total Nitrogen (N)	19%
	7.3% Water Insoluble Nitrogen	
	4.2% Urea Nitrogen	
	7.5% Other Water Soluble Nitrogen	
	Soluble Potash (K₂O)	19%
	Magnesium (Mg)	0.7%
	0.7% Water Soluble Magnesium (Mg)	
	Sulfur (S)	6.7%
	6.7% Combined Sulfur	
	Iron (Fe)	1.3%
	0.13% Water Soluble Iron (Fe)	
	Manganese (Mn)	0.5%
	0.08% Water Soluble Manganese (Mn)	
	Chlorine (Cl) not more than	2.0%

Size: Essentially all particle size shall be -14 + 30 US Standard Sieve (100 SGN)

Packaging: Fertilizer shall be packaged in quality packaging which shall contain a uniform weight of fertilizer not less than 50 pounds in each bag.

Odor: Fertilizer, when applied to the ground and after irrigation or rain, shall be of low odor.