



## INTRODUCING MODERN TURF MANAGEMENT



Plant Science, Inc was founded in 2003 as a research and development company for golf and sports turf. The founding and perpetual "Core value" is the development of technologies that recognize modern turf management techniques and exceed customer expectations. Several technologies have been developed that recognize these challenges such as Nature's Time, Tru-prill, and Nutricore, and are currently marketed across North America by dedicated turf distributors.



Tru-prill homogeneous fertilizers are manufactured using the Tru-prill granulation process. The Tru-prill process creates a highly dispersible homogeneous granule that dissolves into the tightest turf canopies with no disruption of play. Tru-prill provides even distribution of nutrients at low rates and allows for more complete formulations that have a strong emphasis on secondary and micronutrients.



Nature's Time 7-2-5 is an all-natural organic fertilizer that contains no animal by-products or sludge. Food grade ingredients mean no potential for contamination from heavy metals or harmful bacteria. Nature's Time 7-2-5 is a balanced formulation suitable for high potassium programs and is safe to use at any time.



ISO-B (Isobutylidenediurea 31-0-0) has long been the industry standard for slow release nitrogen containing 85% to 90% water insoluble nitrogen (W.I.N.) depending on the grade. ISO-B nitrogen releases primarily by hydrolysis providing a consistent, linear release of controlled release nitrogen, with no surge in growth. A low salt index means that ISO-B will not burn turf and does not need to be watered in.



Nutricore foliar turf fertilizer is a new concept in foliar nutrition that addresses the nutrient deficiencies found on turf grown in sand media. Nutricore formulations were developed from a 2-year research study that monitored the concentration leaf nutrient levels.

Low CEC provides a limited supply of essential nutrients as Nitrogen becomes available to the plant. Nutricore chelation technology provides the total chelation of base nutrients providing superior foliar uptake.



## GRANULAR NUTRITION ANALYSIS

PRODUCT	SGN	CRN BREAKDOWN	RATE	ACTUAL NUTRIENT APPLIED ( LBS/1,000 FT <sup>2</sup> )			COVERAGE BAGS/ACRE	SPREADER SETTING	
				lbs N /1,000 ft <sup>2</sup>	P	K		S	Accupro
Late Fall 25-0-0	160	50% ISO-B 50% AS	0.50	0.00	0.00	0.24	3.40		6
ISO-B 31-0-0 micro	85	100% ISO-B	0.50	0.00	0.00	0.00	2.80	1 1/2	
Premium rough 30-5-8	220	30% ISO-B 30% PCS	0.50	0.08	1.00	0.38	2.17	1 1/2	6.00
PCS Turf Balance 24-6-12	220	75% PCS	0.50	0.13	0.36	0.09	3.60	0 1/2	6.50
PCS High K 15-0-30	220	50% PCS	0.50	0.00	1.00	0.30	4.35		7.00



For more information  
contact us at 1-866-499-0659  
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EVERY NUTRIENT • EVERY GRANULE

## GRANULAR NUTRITION ANALYSIS

PRODUCT	SECONDARY NUTRIENTS	MICRO NUTRIENTS	RATE	ACTUAL NUTRIENT APPLIED ( LBS/1,000 FT <sup>2</sup> )									COVERAGE BAGS/ACRE	SPREADER SETTING	
				lbs N /1,000 ft <sup>2</sup>											
				P	K	S	Ca	Mg	Zn	Mn	Fe				
Tru-prill 15-2-15 micro	Ca,Mg, S	Fe,Mn,Zn	0.50	0.07	0.50	0.20	0.07	0.07	0.01	0.02	0.03	2.90	H		
Tru-prill 10-2-20 greens	Ca,Mg, S	Fe,Mn,Zn	0.50	0.10	1.00	0.30	0.10	0.10	0.01	0.01	0.02	4.35	I 1/2		
Tru-prill 8-16-16 greens	Ca, S	*traces	0.50	1.00	1.00	0.38	0.28					5.40	1 1/2	3.50	
Nature's Time 7-2-5	Ca,Mg,S	*traces	0.50	0.14	0.36	0.09	0.02	0.02				7.20	O 1/2		
Tru-prill 18-0-18 mini	Ca,Mg,S	Fe,Mn	0.50		0.50	0.19	0.07	0.03		0.01	0.01	2.41		5.00	
Tru-prill 15-2-15 mini	Ca,Mg, S	Fe,Mn,Zn	0.50	0.07	0.50	0.20	0.07	0.07	0.01	0.02	0.03	2.90	P 1/2	5.00	
Tru-prill Exchange	Ca,Mg,S	**	0.50		0.50	0.50	0.20	0.23				2.90	I 1/2		

\* Nature's Time contains natural trace elements, amino acids, vitamins and proteins

\*\* Tru-prill exchange rate is based on lbs. of actual potassium/1,000 ft<sup>2</sup>



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## FOLIAR NUTRITION ANALYSIS

PRODUCT	GUARANTEE	PRODUCT RATE	ACTUAL NUTRIENT APPLIED ( LBS/1,000 FT <sup>2</sup> )											COVERAGE/ CASE	
			*Fluid ounces /1,000 ft <sup>2</sup>	Ca	Mg	K	P	Bo	Zn	Mn	Fe	Cu	Mo		Si
CAL FORCE	5.5% Ca, 2.2% Mg, .50% Bo, .05% Si	3.00		0.0137	0.0055			0.0012						0.0001	5.17
FOLIAR K MAG	8.0% K, 4.0% Mg, .30% Bo, .05% Si	5.00		0.0174	0.0349			0.0013						0.0002	3.10
METAPHOS	29.0% P, 5.0% K, 4.0% Mg	2.00		0.007205	0.009422	0.0554									7.76
BASE K	24.0% K	3.00			0.0450										5.17
BASE CAL	8.0% Ca, 0.5% Bo	3.00		0.0201				0.0013							5.17
BASE IRON	4.0% Fe	2.00									0.0066				7.76
BASE ZINC	10.0% Zn	1.00							0.0085						15.52
BASE Manganese	5.5% Mn, .50% Mo, .50% Bo	2.00						0.0007		0.0090			0.0008		7.76

\* Apply product in 40-80 gallons of water per acre(5- 10 litres / 100 m<sup>2</sup>).



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