

Fertilizer Retail Guide

Calculating % Slow Release Nitrogen



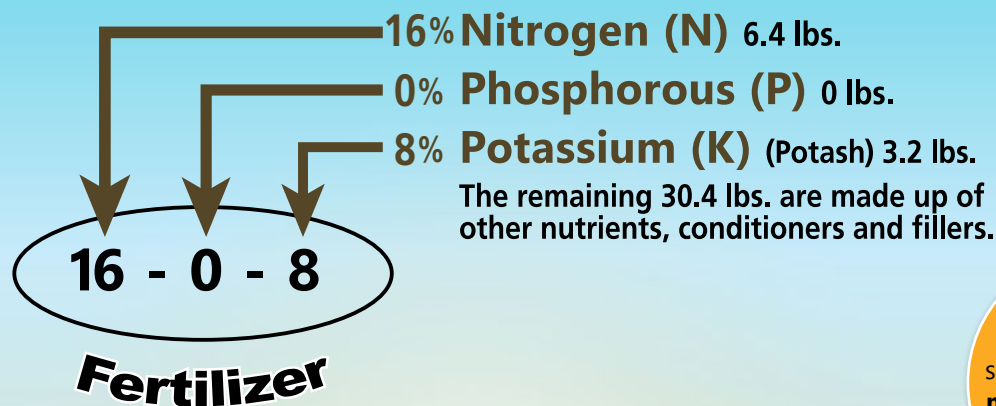
A product with 50% slow release nitrogen means that half of the nitrogen is available immediately and half will be slowly released over a period of time.

Some nitrogen sources are “quick release” and other sources are “slow release”.

Other names are interchangeably used, such as timed-released, controlled-release, slowly-available, or water-insoluble.

A Complete Fertilizer Contains Nitrogen (N), Phosphorous (P) and Potassium (K). Understanding the label:

Example: a 40-lb. container of fertilizer is comprised of:



*All granular or solid fertilizer sold in Pinellas County **must be at least 50%** or half, slow-release nitrogen.

GUARANTEED ANALYSIS LABEL	
Total Nitrogen (N)	16.00%*
4.57% Ammoniacal Nitrogen	
11.43% Urea Nitrogen	
Available Phosphoric Acid (PsO5)	0.00%
Soluble Potash (K2O)	8.000%
Chlorine (C), not more than	5.000%
SECONDARY PLANT NUTRIENTS:	
Total Magnesium (Mg)	1.000%
Soluble Magnesium (Mg)	1.000%
Total Manganese (Mn)	0.350%
Soluble Copper (Cu)	0.050%
Soluble Zinc (Zn)	0.070%
Total Iron (Fe)	0.030%
Boron (B)	0.030%
Molybdenum (Mo)	0.001%
Total Sulfur (S)	8.280%
Derived from: Ammonium Sulfate, Polymer Coated Sulphur, Coated Urea, Muriate Potash, Manganese Oxide, Zinc Sulfate, Sodium Borate, Iron Oxide, Copper Sulfate, Sulfate Potash-Magnesia, Sodium Molybdate	
*contains 8 units slow release Nitrogen	

For more information:

Pinellas County Division of Environmental Management
(727) 464-4425
watershed@pinellascounty.org



www.pinellascounty.org/fertilizer

Pinellas County Fertilizer Retail Decision Tree

The product label determines compliance

See other side
to calculate %
of slow release
nitrogen (SRN)



Is the product applied as a
granular or spike fertilizer?

yes no

Contains NITROGEN?

yes no

Guaranteed Analysis: Is the portion of slow release
nitrogen at least 50% of the total nitrogen?

yes no

Indoor, container,
or hydroponic only

Sale NOT allowed
at any time

Does it contain phosphorous?
(Soil test required for use)

yes no

Indoor, container,
or hydroponic only

Sale
ALL year

Indoor, container,
or hydroponic only

Does it contain nitrogen
or phosphorous?

yes no

Sale
ALL year

Is it a compost, Seed Mix,
or Soil product?

Does it contain
added nitrogen
or phosphorus?

yes no

Container or
indoor only

Sale
ALL year

yes no

Sale
ALL year

Oct 1
thru
May 31

Sale allowed
October 1st through
May 31st

yes no

Sale
ALL year

Oct 1
thru
May 31

Sale allowed
October 1st through
May 31st

yes no

Sale
ALL year

Oct 1
thru
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Sale allowed
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