

Nutri-Pel NPK Analysis

4.6 — 6.0 — 0

What is Nutri-Pel?

Nutri-Pel is a biosolids-based commercial fertilizer meeting the requirements and sold under the Canadian Fertilizers Act and Regulations. The product has been reviewed by the CFIA for safety, efficacy and label requirements and has a guaranteed minimum N-P-K analysis of 4.5-6.0-0.0.

Analysis in lb's per ton

Total N	100.8	Sulphur	26.4
Available N	52.21	Magnesium	8.8
P205	134.4	Manganese	0.7
K20	2	Copper	1.66
Calcium	68	Zinc	1.66
Aluminum	29	Total Salts	5
Iron	130	Organic Matter	50%



Why Use Nutri-Pel?

Nutri-Pel contains important primary (NPK) and secondary (Calcium, Sulfur, Magnesium) macro-nutrients, as well as many micro-nutrients essential for healthy plant growth. It also contains organic matter that helps improve the physical condition of soil so that it is better able to hold water and nutrients. Soils that have good organic matter content are easier to work and plant roots can find water and nutrients more easily. All of these factors work together to improve yield and growth characteristics.

Is Nutri-Pel covered under the “NASM” regulations?

Biosolids Pellets or other fertilizer products utilizing biosolids that are regulated by Canadian Food Inspection Agency will not be affected by the NASM regulations.

The Nutri-Pel Process

Nutri-Pel is produced in an industrial drying process at high temperatures. The nature of the process eliminates pathogens and bacteria common to other forms of biosolids. The product is routinely tested to ensure a consistently high quality product, safe for handling and field application.

When are Nutrients Released?

Our data and experience shows that approximately 60% of the nitrogen releases the first year, 30-35% the second year and the remaining 5-10% the third year. All the phosphorus is available the first year, as are all the other nutrients in Nutri-Pel. These rates are dependent on soil temperature and moisture conditions and can fluctuate somewhat.

Other Nutrients and Minerals in Nutri-Pel

Parameter	2015 Average Test
Mercury	.8
Arsenic	3.7
Cadmium	1.0
Cobalt	3.3
Chromium	73.2
Copper	743.6
Molybdenum	8.4
Nickel	24
Lead	35.6
Selenium	3.8
Zinc	743.6

Four of the “Regulated Metals” are also micro-nutrients:

Zinc

Essential in early plant growth
Essential for grain and seed formation
Regulates phosphorous uptake

Copper

Plays a role in chlorophyll production
Enzyme catalyst
Aids in disease suppression

Molybdenum

Involved with nitrogen metabolism and N fixation in legumes (alfalfa, soybeans)
Plays a role in ensuring pollen visibility and seed production

Nickel

Component of a critical plant enzyme (Urease)

