



Fertilizers to Consider

Organic vs Inorganic?

The essential **macronutrients** (high percentages) needed by the soil are:

- Nitrogen (N)
- Phosphorous (P)
- Potassium (K)
- Sulfur (S)
- Calcium (C)
- Magnesium (Mn)

The essential **micronutrients** (low percentages) are:

- Chlorine
- Iron
- Boron
- Manganese
- Zinc
- Copper
- Molybdenum

N-P-K = Nitrogen(up) – Phosphorus(down) – Potassium(all around)

- Organic

- Carbon based
- Plant or animal origin
- Granular or liquid format.
- Very low risk of soil damage.
- Generally, pH neutral
- Low levels of nutrients.
- Examples: 1-1-5, 5-4-2, 1-1-1 etc.
- Requires conversion by soil organisms
- Slow action & safer.
- Improves soil
- Best approach over time.

- Inorganic

- Chemical – not living origin
- Granular or powder form
- Salt based – generally lowers pH
- Higher risk of soil damage – faster acting.
- Higher levels of chemical per application.
- Example: 8-10-8, 10-10-10, 20-20-20 etc.
- Higher concentrations – overdose?
- Slow-release compounds available
example => Osmocote.



Mills Magic Mix - Granular

Organic - This product is a combination of alfalfa meal, fish meal, steamed bone meal, cottonseed meal, blood meal, activated sludge, and an organic compost activator. NPK analysis is 6-5-1. 20lbs



Bloomkote plant food. - Granular

Inorganic. A time released fertilizer that was specifically formulated for roses. 16-15-14 20lbs



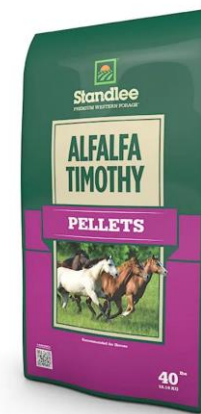
Rose-tone
Organic – Granular
4-3-2. 18lbs



Shake 'n Feed
Combination Organic
and Inorganic
12-4-8. 8lbs



Ferti-lome
Inorganic Granular
14-12-11. 20lbs



Organic –Alfalfa Pellets
40lbs



Magnum Rose Food Powder
8-10-8 1.5lbs



Organic. Produces beneficial results during every phase of plant growth. Starting with seed germination and following through to vegetative growth, budding and flowering,
1-1-5 quart



Scott's Combined Inorganic & organic
12-4-8 3lbs



Natures Nog totally organic, natural compound designed to enhance root formation, increase vascular strength, promote green color,
quart



Inorganic
Powder
1.5 lbs



Organic. Beaty's seaweed with nutrients also carries bacteria, viruses, and fungi.
1-gallon



Organic- Neptune's Harvest
quart
2-3-1

Examples of granular inorganic "balanced" Fertilizer.

10-10-10, 20-20-20, 7-7-7