

TechBulletin: Phosphorous & Potassium Comparison – Metric

The Nature's Source Difference: The Oilseed Extract base provides a lower EC and Enhanced Nutrient Use Efficiency (ENUE) as the plant takes up the Nature's Source nutrition. The low salt nutrition provided by Nature's Source plant foods reduces the salt stress and stores more efficiently in the vacuole of the plant cell walls, providing the plant extended nutrient availability on fresh water days. This also allows plants to continue to bloom even in the heat of the summer, extending your market window of offering plants in bloom.

Comparison

Nature's Source weighs 4.5 kg (10 lbs.) per gallon.

Phosphorous

20-10-20	11.3 kg (25 lbs.) bag – 10% of 11.3 kg (25 lbs.)	=	1.13 kg (2.5 lbs.) P
17-4-17	11.3 kg (25 lbs.) bag – 4% of 11.3 kg (25 lbs.)	=	0.45 kg (1 lb.) P
10-4-3 / 10-4-5	18.9 L (5 gallons) – 4% of 22.6 kg (50 lbs.)	=	0.9 kg (2 lbs.) P*

**Phosphorous levels in tissue analysis show sufficient levels of P due to the ENUE for the P in the formulation derived from Oilseed Extract.*

Potassium

20-10-20	11.3 kg (25 lbs.) bag – 20% of 11.3 kg (25 lbs.)	=	2.30 kg (5 lbs.) K
17-4-17	11.3 kg (25 lbs.) bag – 17% of 11.3 kg (25 lbs.)	=	0.45 kg (1 lb.) K
10-4-3	18.9 L (5 gallons) – 3% of 22.6 kg (50 lbs.)	=	0.68 kg (1.5 lbs.) K**
10-4-5	18.9 L (5 gallons) – 5% of 22.6 kg (50 lbs.)	=	0.90 kg (2 lbs.) K**

***The Potassium used in the extraction of the Oilseed Extract and the formulation of Nature's Source is utilized 3 times more efficiently by the plant. This ENUE of K was determined through tissue analysis which shows uptake similar to a formulation providing 2 kg (4.5 lbs.) K.*

Bottom Line:

The ENUE of Nature's Source 10-4-3 and 10-4-5 by the plant,
are Equivalent to a 20-8-18
with All the Trace Elements, Ca & Mg
Don't forget all micronutrients are also double weight

Referenced Products

Nature's Source® Professional Plant Food 10-4-3

Nature's Source® Nursery & Landscape Special Plant Food 10-4-5

Website: www.NaturesSourcePlantFood.com

Email: info@NS-PF.com

Phone: 888 839-8722

NATURE'S
SOURCE®