

Product Data

Neem Seed Meal as a Fertilizer

Neem seed meal is the by-product of cold pressing the seed of the neem tree for its oil. What is left after extracting the oil is an excellent organic fertilizer with high N-P-K values and slow release properties. It contains more nitrogen, phosphorus, potassium, calcium and magnesium than manure or sewage sludge, and provides a variety of benefits to plants and the growing medium.

In India, neem seed meal is used as a time released fertilizer for high dollar crops like sugar cane and vegetables because it enhances the crop yields. Neem seed meal also improves fertility by inhibiting soil bacteria from converting nitrogenous compounds (nitrification) present in soils to molecular nitrogen, a gas that is useless to the plants. When mixed with urea nitrogen it also reduces nitrification and may improve the plants survival in soilless media with this less usable form of nitrogen.

Application Rates

- 180 to 360 lbs. of neem seed meal per acre of soil
- 88 lbs. of neem seed meal to 2200 lbs. of soilless media or soil
- 2 lbs. of neem seed meal per 100 to 160 sq. ft. of soilless media or soil
- 3 to 4 oz. of neem seed meal per cu. ft. of soilless media or soil
- 5 to 28 oz. of neem seed meal for the “soil” of each 6” to 12” pot

Technical Specifications

Azadiractin Content:	>1000 ppm
Moisture Content:	< 10%
Nitrogen (N):	2.0 – 5.0%
Phosphorus (P):	0.6 – 1.0%
Potassium (K):	1.2 – 1.6%
Calcium (Ca):	<0.77%
Magnesium (Mg):	<0.75%
Sulfur (S):	<1.2%
Copper (Cu)	<0.0132%
Iron (Fe)	<0.01455%
Manganese (Mn)	<0.0555%
Sodium (Na)	<0.284%
Zinc (Zn)	<0.049%
Neem Oil	5 - 8 %
Crude Fiber	8 - 26 %
Fat	2 -13 %
Ash	5 -18 %
Acid-insoluble Ash	1 -17 %
Carbon	<1.2%
Carbohydrate	26 - 50 %