

NEEM POWDER

Neem Powder is the residue that can be used after Neem seed kernels are crushed for their oil. These seed kernel contains high amount of nutrients like NPK (nitrogen-phosphorus-potassium) as well as nortriterpenoids and isoprenoids. These nutrients are nematicidal in nature so the seed cake ends up with these properties. **Neem Powder** is used in agriculture, horticulture, floriculture and the turf industry as an organic fertilizer as well as a natural nematicide. Neem cake is used as an organic fertilizer because of the various micro and macro nutrients which it is composed of. It will control soil based pathogens as well as nematodes at the same time. It will also inhibit nitrification of the soil plus enhance the efficiency of nitrogen providing fertilizer.

There are many reasons to use **Neem Powder** in your garden, but here are some of the most compelling reasons.

It's completely Organic & Biodegradable

Since it's derived from the neem tree, it's a biodegradable compound and breaks down quickly providing natural growth to your plants. Usage of Neem cake leads to a significantly reduced chemical fertilizer demand. In fact, in most cases, chemical fertilizer dosage can be reduced by 25 to 30% in the first year of application of our organic fertilizer.

Better yield than conventional Urea and Fertilizers

In comparison to urea which is a nutrients collector neem cake itself contains nutrients for the plants and maintain power of soil. Our studies have shown that Neem cake provides better yields than conventional alternatives while preserving and improving the soil quality.

Rich source of NPK and other Micro Nutrients

Its rich source of NPK other micro nutrients ensure to improve the soil quality. It works primarily by increasing the humus content of the soil. It is an all-purpose organic soil conditioner, ideal for low organic matter soils.

Nematodes Prevention

Control Nematodes and other soil pests such as Haplolaimus indicus Helicotylenchus Sp, Pratylenchus Sp, Meloidogyne incognita, M. javanica (root knot nematode). Tylenchorhynchus Sp and Rodopholus similis. This broad spectrum defense helps roots to absorb adequate nutrient to and give better yield.

Safe for Earthworms

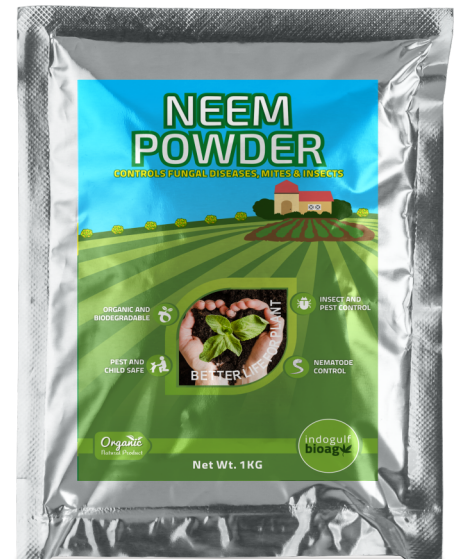
Most conventional fertilizers/pesticides will kill off earthworms, removing a vital piece of your soil's ecosystem. Neem won't harm them, in fact, they'll thrive in a neem environment.

Improves Soils' Organic Content

Neem Powder also reduces alkalinity in soil, as it produces organic acids on decomposition. Being totally natural, it is compatible with soil microbes, improves rhizosphere micro flora and hence ensures fertility of the soil. Neem Cake improves the organic matter content of the soil, helping improvement in soil texture, water holding capacity, soil aeration for better root development.

Can be combined with Other Fertilizers

When Neem Cake is used with urea and other fertilizers with nitrogen in them, it increases their efficiency because neem cake reduces the rate of nitrification. That means the nitrogen is released slowly increasing the time of nitrogen presence in the soil. This makes the soil become more fertile to provide better yields.



Neem Powder insecticide works as a systemic in many plants when applied as a soil drench. This means it is absorbed by the plant and distributed throughout the tissue. Once the product is in the plant's vascular system, insects intake it during feeding. The compound causes insects to reduce or cease feeding, can prevent larvae from maturing, reduces or interrupts mating behavior and, in some cases, the oil coats the breathing holes of insects and kills them.

It is a useful repellent for mites and used to manage over 200 other species of chewing or sucking insects according to product information, including: Aphids Mealybugs Scale Whiteflies.

BIOTECH DIVISION OF INDO GULF COMPANY

101, Blue Bell Building, Sitaram Compound,
Crawford Market, Mumbai 400001, India.

T : +91-22-23455354 | F : +91-22-23476536
E : indogulf@gmail.com | W : www.indogulfbioag.com

NEEM POWDER

Neem Powder is applied when you are preparing your soil for sowing. You will need to plough the soil deeply and mix the **Neem Powder** thoroughly while doing the same. This process will yield you better results with your harvest. **Neem Powder** not only works as an organic fertilizer, but it can also be used as a natural pesticide.

If you are planning to switch from a chemical fertilizer to **Neem Powder**, you will need to apply both over time still while in transition. Reduce the chemical fertilizer you are using continuously until you are just using the **Neem Powder** in place of the fertilizer.

Type of Plant/Crops	Dosage	Frequency
Potted Plants:	a) Small 25-30 Gms/Pot b) Large 50-80 Gms/Pot	Once in a quarter
Flowering Plants:	a) Roses 80-100 Gms/Plant b) Hibiscus 150-200 Gms/Plant c) Crotons 150-200 Gms/Plant d) Bougainvillea 300-500 Gms/Plant	Once in a quarter
Annuals:	a) Dahlia 80-100 Gms/Plant	Once in a quarter
Plantation Crops (Plantain, Coconut, Areca Nut, Coffee, Tea, Mango, Lemon and all other Fruit Crops)	2-4 Kg/Tree	Twice a year 1. Pre Monsoon 2. Post Monsoon
Annual / Seasonal Crops (Cotton, Paddy, Vegetables, Oil Seeds, Sugarcane etc.)	200-400 Kg /Acre	Twice a year 1. During Field Preparation 2. Before Flowering
Spice Crops (Cardamom, Turmeric, Pepper, Vanilla etc.)	500-750 Gms/Plant	Twice a year 1. Pre Monsoon 2. Post Monsoon

Please water the plants after you apply the neem cake. This will help to get the nutrients present in **Neem Powder** well absorb in soil.

ATTENTION

This specimen label is provided for general information only.

- This biological product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state/provincial, and local laws and regulations regarding the use of biologicals.
- Before using any biological, be sure the intended use is approved in your state/province or locality.
- Your state/province or locality may require additional precautions and instructions for use of this product that are not included here.
- Indo Gulf Company does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on the product label.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the biological you are using.

For application to seed in commercial seed treating equipment or for use in on-farm planting equipment.

Microbial seed inoculant for improving nutrient availability for increased yield potential.

NONPLANT FOOD INGREDIENT Not a fertilizer substitute

Warning: May form combustible dust concentrations in air [with packages greater than 25 kg].

Read the entire label before using this product. Use only according to label directions.

Open package only when ready to use. Use before expiration date.

Apply this product only as specified on this label. Reference the specified application rate to determine the proper amount needed for seed. Additional talc and/or graphite may be applied if needed.

Dust particles may cause slight eye irritation. May cause respiratory irritation. Causes damage to lungs by inhalation through prolonged or repeated exposure.

This product may cause adverse effects to individuals who are repeatedly exposed to it. Eye or skin contact, inhalation, or ingestion should be avoided. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, and eye protection. Avoid breathing dust. Ensure adequate ventilation. Use only outdoors or in a well-ventilated area. Where exposure through inhalation may occur, use respiratory protective equipment. Wash thoroughly after handling. If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

The active ingredients in product are Bacillus amyloliquefaciens and Trichoderma virens spores. This product contains microorganisms that may have the potential to provoke sensitizing reactions; use appropriate personal protective equipment (PPE) to reduce exposure. Sensitized individuals should wear an approved respirator. In case of contact with skin or eyes, immediately flush exposed areas with plenty of water. Get medical attention if irritation occurs.

Applicators and Other Handlers

Product contains live spores of the naturally occurring fungus Trichoderma virens and the naturally occurring bacteria Bacillus amyloliquefaciens, which may be damaged when exposed to high temperatures or contact with water for more than 4 hours. The live organisms contained in Product require specific storage conditions to ensure viability and product performance. To maintain product viability:

- Store unopened containers of Product in a dry cool place (less than 68°F or 20°C) away from sunlight and heat sources. Store locked up.
- Minimize temperature fluctuations.
- Avoid freeze/thaw cycles.
- Use before the expiration date. The expiration date is valid for unopened containers stored according to conditions listed above.
- Keep out of reach of children.

Unused Product and seed to which Product has been applied should be disposed of in accordance with applicable Federal, state/provincial, and local requirements.

Limited Warranty

The Seller warrants that this product contains a minimum number of Bacillus amyloliquefaciens and Trichoderma virens colony forming units, as specified on this label. The Seller makes no other warranty expressed or implied as to product viability or performance since product storage, use and growing conditions are beyond the Seller's control. Seller's guarantee is limited to the terms set out on the label and subject thereto. Buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition. If this product does not perform as warranted above, and to the extent consistent with applicable law, customer's sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of Indo Gulf Company.

BIOTECH DIVISION OF INDO GULF COMPANY

101, Blue Bell Building, Sitaram Compound, Crawford Market, Mumbai 400001, India.

T : +91-22-23455354 | F : +91-22-23476536

E : indogulf@gmail.com | W : www.indogulfbioag.com