



**index**  
**International**

Go back to nature

**ineem**

## ABOUT US

Index International, has commenced its business in 2005. We are an established and a popular network with an excellent track record for the best customer satisfaction. We are leading Manufacturer & Exporter of Neem and Coir Products. Our expertise in Neem coupled with a strong technical team gives us a distinct advantage in creating products that meet stringent quality requirements of our customers.

We at index international provide diverse range of products in neem oil and coir suiting the needs of our customers. Made from natural materials using traditional techniques; our products are suitable for all types of farming. Having a variety of features, these products are perfect for increasing yield while maintaining health of plant/crop in a natural manner.

We aim to keep the environment clean, assist farmers to preserve the fertility of the soil and at the same time produce crops that are free of chemicals and pesticides. Our fundamental objective is to establish an integrated organic food industry and minimize ecological hazards by converting biodegradable wastes into useful fertilizers that are of enhanced quality.

our products are regularly demanded by farmers and horticulturists all over the world. Moreover, we have a dedicated research department to improve the effectiveness of the products while ensuring that no harm occurs to the ecosystem.

In Tamilnadu, a culturally rich state in India, Our Company endeavors to create value to its business partners in the field of marketing, supply chain management, customer relationship and international marketing.

We have our subsidiaries across continents to promote the sales of our products.

International  
Our Brands

ineem

icoir



# ineem

## Tree



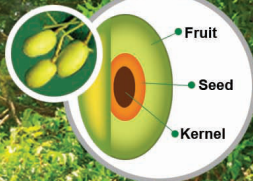
**oil**  
 Extracted from the kernels inside the seeds, where a single seed may contain up to 50% oil by weight, the oil is recognized and valued as a safe and effective bio-pesticide for organic farming. The oil has also been widely studied due to its medicinal properties and is also used in a variety of cosmetic products such as creams, soaps and shampoos



**Cake**  
 After the seeds have been pressed for oil the resulting by product is the neem cake, Neem cake is used across the agriculture sector as an effective pesticide, fertilizer and anti-bacterial, anti-fungal organic alternative to antibiotics in Livestock



**Leaves**  
 Containing most active ingredients found in the seeds but in a much lower concentration, the leaves are considered the most versatile part of the tree. Now used as a pesticide, fertilizer and animal feed, the leaves were originally used as a medicinal tea in Indonesia



**Bark**

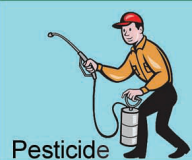
Neem bark contains spermicidal properties and research is undergoing to approve its potential use as a sexual contraceptive for both women and men



**Flowers**  
 The flowers are the part of the tree with fewer uses, however, given the flowers sweet, honey like smell, the flowers are used in aromatherapy for a calming and restorative effect



**Twigs**  
 Whilst used in commercial toothpastes and mouthwashes, twigs have most widely been used as brushes for generations in India



**Pesticide**  
 Neem-based organic pesticide are effective against 600 insect species, As a fertilizer, neem also reduces soil alkalinity and ensures optimum fertility



**Medicine**  
 All parts of the neem tree can be used for the treatment of inflammation, infection, fever and skin diseases



**Cosmetics**  
 Containing a high level of antioxidants, neem is used in organic soaps, shampoos and hydrating creams



**Cattle feed**  
 Neem is used as an organic and nutritional supplement that is effective against internal nematodes



**Fertilizer**  
 Neem improves the nutritional value of the soil while protecting plant roots from pests and diseases



**Timber**  
 Derived from the mahogany family, Neem is an extremely durable wood ideal as a construction material



## ineem oil :

Its cost effective application make it organic pesticide of choice. ineem Oil is available in various grades depending upon the uses ranging from personal care to pest control. Neem Oil is reported to be very effective in controlling over 600 types of pest and found safe to non targeted species that are beneficial for crops.



### TECHNICAL SPECIFICATIONS OF ineem Oil :

Colour Dark	Greenish Brown
Odour	Garlic Repulsive.
Azadirachtin A & B	150 to 2500 PPM (Depends upon Grade)
Nimbin	More than 2000 PPM
Salannin	More than 4000 PPM
Moisture & Insoluble Impurities	1 %
Refractive Index At 40 C	1.4615 To 1.4705
Specific Gravity @ 30 C/ 30 C	0.908 To 0.934
Stearic acid	6%-24%
Palmitic acid	13.6%-29.9%
Oleic acid	32%-58%
Linoleic acid	6%-17%
Titer	35.8 C
Iodine Value	65 – 80
Saponification Value	175 – 205
Unsaponifiable Matter % By Wt.	2 % By Mass, Max.
F.F.A. % By Weight	Upto 15 %

### Processing :

ineem oil is obtained by cold pressing the seed kernel of good quality seeds. iNeem takes care to collect only matured pods that is being dropped from the tree rather than harvesting directly from the tree that may contain immature seeds. These seeds depulped, washed, dried, decorticated , machine as well as hand graded in order to remove any immature or disease affected seeds. The advantage is the neem oil derived from these type of need kernels contains more than 3000 ppm of Azadirachtin content against 2200 ppm of Azadirachtin in case of seeds derived from the fruits.

### Neem Oil Applications :

- A safe pesticide
- A natural insect repellent
- A fertilizer
- A skin care ingredient
- A contraceptive
- A medicine with hundreds of different uses



### Packing:

ineem Oil is available in 20 Kgs to 190 Kgs IN HDPE CONTAINER (OR) MS CONTAINER. For Bulk Supplies can be arranged in 10/20 ton tankers by Road / Rail / Sea



# ineem cake :

ineem cake is the de-oiled residue that can be used after Neem kernels are crushed for their oil. In this seed kernel are nutrients like NPK ((nitrogen-phosphorus-potassium) as well as norriterpenoids and isoprenoids. These nutrients are nematicidal in nature so the seed cake ends up with these properties.

ineem cake is used in agriculture, horticulture, floriculture and the turf industry as an organic fertilizer as well as a natural nematicide. ineem cake is used as an organic fertilizer because of the various micro and macro nutrients which it is composed of. It will control, at the same time, soil based pathogens as well as nematodes. It will also inhibit nitrification of the soil plus enhance the efficiency of nitrogen providing fertilizer.

## Why use ineem Cake as a Fertilizer?

1. Very Cost Effective
2. Better yield than conventional Urea and Fertilizers
3. Rich source of NPK and other Micro Nutrients
4. In comparison to urea which is a nutrients collector neem cake itself contains nutrients for the plants and maintain power of soil.
5. Control Nematodes and other soil pests.
6. Improve soil organic content.
7. Can be used with other fertilizers/Urea simultaneously
8. Safe for earthworms



## TECHNICAL SPECIFICATIONS OF ineem cake :

Typical Analytical results may slightly vary depending upon the batches or production

Azadirachtin	min 1000ppm (0.1%)
Salanin	min 1500 ppm (0.15%)
Nitrogen	3.0 to 5.0 %
Potassium	1.0 to 2.0%
Sulphur	1.2%
Magnesium	0.3 to 1.0%
Copper	4ppm to 20 ppm



Nimbin	min 850 ppm (0.085%)
Moisture content	NMT 10 %
Phosphorus	0.5 to 1.0%
Carbon	1.2%
Calcium	0.5 to 3%
Zinc	15 ppm to 60 ppm
Iron	500 ppm to 1200 ppm

## Available Format / package

Ineem cake is available in two options

- Neem cake Powder
- pellet form

## Ineem cake powder

Neem Cake powder is rich in nitrogen, phosphorus, sulphur and calcium. It's a natural product and is used for growth and a high yield of crops. The nutrient content and fertility of the soil increase

when Neem powder is mixed with it. Neem Cake fertilizer is the most favored product used for plant fertilization by farmers and gardeners. It also acts as a bio fertilizer by providing the required nutrients, nitrogen and phosphorus necessary for growing crops and plants. Its use basically ensures a high yield of crop. Neem is used for both cash and food crops, such as sugarcane and vegetables.



## ineem cake pellet

ineem cake powder is converted in to pellet form with the help of our pellet making machine that is available in different size like 4mm and 6mm.

ineem cake pellets are used as a fertilizer and manure in farming and in agriculture. It helps in producing a greater crop harvest than synthetic manures. It not only helps to increase the fertility of the soil but also acts as a pest repellent.



## Packing :

ineem cake (powder/Pellet) is available in 25 Kgs, 50 Kgs HDPE Bags. We can provide Neem Cake in any size packaging for bulk order.



## ineem oil WS

Ineem oil WS controls Broad Spectrum Fungicide/Insecticide/ Miticide for Indoor/Outdoor use on Ornamental Flowering Plants, Trees, Shrubs, Foliage, Vegetables, Fruits, Nuts and Home and Residential Landscapes and also it controls Fungal Diseases Including Black Spot, Mildews, Rusts, and Scab. It equally controls Mites and Insects Including Whiteflies, Aphids, and scales.

### why ineem oil WS (Pesticides)

- It helps to nourish and condition the soil.
- It is environmental friendly.
- It is non toxic.
- Can be used in combination with other pesticide and oil for more effectiveness.
- Instead of killing pest, it affects the life cycle of the pests.
- Anti feedant properties found in neem compounds helps to protect the plants.
- Pests generally do not develop a resistance to neem based pesticides.
- Neem pesticides are generally water soluble and help in the growth of the plants.
- Acts as pest repellent.
- Acts as pest reproduction controller



### Mode Of action

- ineem oil WS disrupt insect reproduction and sterilize insect reproductive organs
- Reduce insect egg laying capacity
- Reduce egg hatchability
- Affects insect digestion, excretion and locomotion
- Reduce insect fitness
- Reduce insect population growth
- Improve pesticidal effects of conventionals and biologicals
- Disrupt/delay/prohibit resistance

*For different plant usage and dosage please contact us [Contact@indexagro.com](mailto:Contact@indexagro.com)*

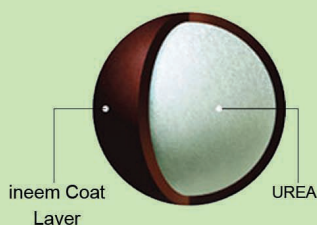
### Packing:

ineem Oil is available in 20 Kgs to 190 Kgs IN HDPE CONTAINER (OR) MS CONTAINER.  
For Bulk Supplies can be arranged in 10/20 ton tankers by Road / Rail / Sea

## iNeem Urea Coating Agent

Why to use neem as urea coating agent?

Neem has proven nitrification inhibition properties. This way it slows down the process of nitrogen release from urea. It is the best nitrification inhibiting agent till date and better than sulphur. Ineem Coat is a Research driven highly concentrated product with potent Neem Extracts like Epinimbin, deacetylnimbin, sallanin, etc. and goodness of neem oil, for Urea Coating.



### Why Ineem Coat is required?

Soil fertility is determined by three major elements namely Nitrogen, Phosphorus & Potassium (N, P, K) of which nitrogen plays a very important role. For this reason, Urea (containing 46% of N) consumption is very high all over the world. Unfortunately, more than half (upto 60%) of the nitrogen leaches out or vaporizes in the form of nitrogen gas, ammonia & nitrous oxide due to the presence of denitrifying bacteria in the soil.

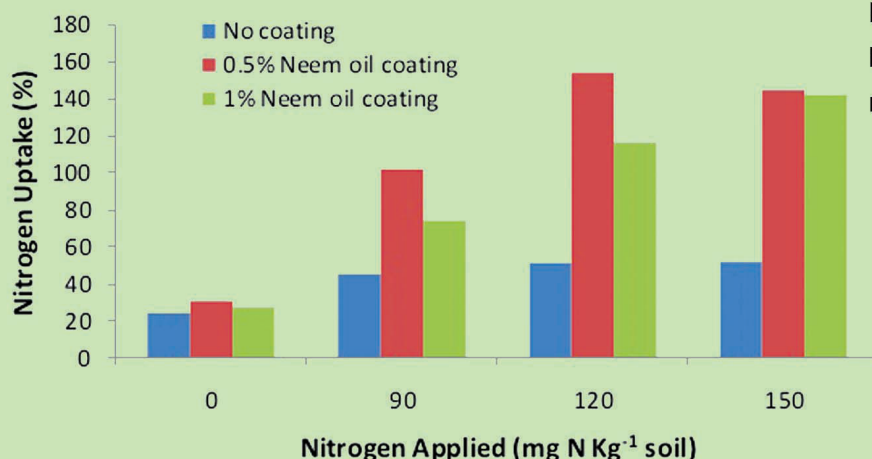
### Featured Benefits of ineem Coated Urea

1. Slow Down the process of nitrification of urea.
2. Neem Coated Urea reported improved yield upto 48%
3. Decrease urea requirement by 50%. hence save Money.
4. Controls soil born nematodes, termites and other pest due to pesticidal properties.
5. It is a Next Generation Urea Coating Agent



### Ineem Coat Application:

Spread the required quantity of urea in shade & mix Ineem Coat (500 ml per metric ton or 25 ml per bag of 50 Kg of Urea) thoroughly; mix the two to get uniformly coated urea. Keep in shade for about three hours before application for deriving maximum benefit from Ineem Coat.





## Ineem Coir

Fertilized Coir Peat with Pest Repellent Property

Ineem Coir-Neem Coir- 100% Natural Eco Friendly Organic Multi Purpose Growing medium /Potting medium made from renewable Coir and Harnessed with the Neem power to exhibit Pest repellent and Nematicides property.

Ineem Coir is a Careful Blend of a very Special Grade of CoCo Coir and Ineem Cakes.

Coir is fiber, processed from the coconut husk. It is a fine, flaky bye-product. It is a high quality vegetable fiber



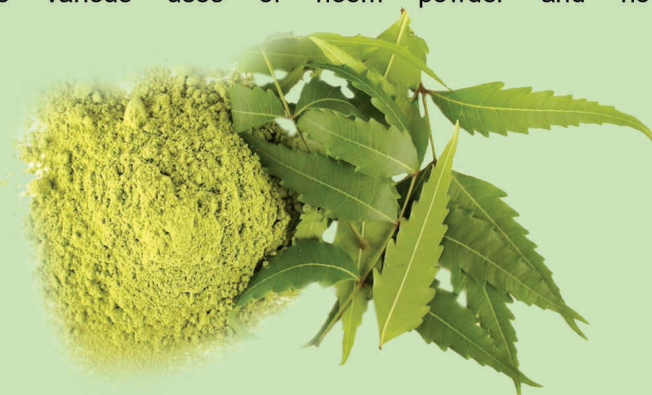
## Benefits of iNeem Coir

1. Ineem Coir compost is very slow to disintegrate, where as peat breaks down within two years of application to soil, Ineem coir compost only begins to break down when it is 8 years old. This alone makes it attractive as a soil conditioner.
2. Ineem Coir is a rapidly renewable product, whereas peat takes many centuries to form out of organic waste. Remove peat and you produce an environmental problem. Ineem Coir compost has high nutrient retain capacity. Pot grown tomatoes (75% soil and 25% Ineem Coir) yielded 65% more than tomatoes potted in 100% soil.
3. Ineem Coir can be effectively recycled as a potting medium for vegetables and flower cultivation.
4. Ineem Coir Eliminates or reduces the need to use harmful pesticide sprays.
5. Ineem Coir has its own Systematic pesticide.
6. Ineem Coir Contains slow release Organic Fertilizer (Ineem Cakes).
7. Ineem Coir has remarkable powers of porosity (up to 75%)
8. Ineem Coir has remarkable water retention values (up to 700%)
9. Ineem Coir reduces watering schedules by up to (65%)
10. Ineem Coir pH is neutral (6- 7), and has a natural low CF value
11. Ineem Coir is rapidly renewable and yet very slow to breakdown (Eco Friendly)
12. Ineem Coir has tremendous potential for improving survival, increasing growth and considerably reducing the cost of raising all plants, vegetables, shrubs and trees.
13. Ineem-Coir is free from pathogens, weed seeds and toxins.



## ineem leaf powder

Neem has played an important role in traditional Indian remedies, Ayurveda and Naturopathy. Most houses in India have neem trees. Just growing a neem tree in your garden and inhaling its aroma can be beneficial in many ways. Since we don't have neem tree in our house, whenever I go to my relatives or friends house, I collect a lot of neem leaves from their trees and powder them at home and store it. Without a neem tree, it becomes difficult to make fresh neem paste face packs or neem juice everyday. But using the powder can give you the same benefits as fresh leaves. Also, since the powder is more concentrated, only little quantity is required for each use. Read on to know the various uses of neem powder and how to make at home.



**Processing :** Collect a bunch of neem leaves and spread over a paper and sundry for 2 days. Then dry indoors or in shade for 3 more days. Make sure they are dried completely. If there is any wetness, it will spoil soon. Grind into a very fine powder

### ineem leaf powder technical specifications

TEST	SPECIFICATIONS	RESULTS	METHOD
Identity	Passed	Passed	Organoleptic
Identity	Passed	Passed	Macroscopy
Identity	Passed	Passed	HPTLC
Particle size	Varies	US #60 mesh 30%	Industry Standard
Particle size	Varies	>US #100 mesh 70%	Industry Standard
Extraneous Matter	<1.0%	0.05%	WHO Method
Bulk Density(g/20ml)	Varies	9.25	MHR Method
Bacterial Plate	<10,000,000cfu/g	10,000cfu/g	AOAC 2015.13
Coliform	<10,000cfu/g	3,100cfu/g	AOAC 991.14
EColi	Absent/25g	Absent/25g	AOAC 991.14
EColi O157:H7	Negative	Negative	AOAC #111502
Salmonella	Absent/25g	Absent/25g	AOAC #061203
Yeast & Mold	<100,000cfu/g	1,000cfu/g	AOAC 997.02
Moisture content	<12%	6,84%	DSC Analyzer

### Packing :

ineem leaf cake is available in 2 Kgs, 5 Kgs HDPE Bags. We can provide Neem Cake in any size packaging for bulk order.



## Choosing the right Neem oil

Extra virgin, first cold-pressed Neem oil contains a hundred or so compounds. The best known compound is Azadirachtin, the residual content of which is an indicator of the product's active ingredient. The average content of Azadirachtin in a premium quality, unmodified oil is 2000 ppm. Some oils are fully soluble in water, which makes them easier to use.

Note that there are many different qualities of Neem oil on the market: a good oil is not automatically the one which has the highest azadirachtin content as it can always be increased artificially. An unpleasant smell should also alert consumers to the fact that the oil concerned is certainly mixed with oil of questionable quality. Some manufacturers do not hesitate to add poor quality oil such as Rotenone, for example... Undiluted Neem oil has a strong, but not unpleasant smell... Before purchasing any oil, we advise that you check with your retailer that the manufacturer guarantees that it is "extra virgin, first cold-pressed neem oil". It is also best to buy oil produced by a socially responsible company under a "fair trade" label.

And finally note that Neem extract and Neem virgin oil are not comparable products. Extract is manufactured in the laboratory, and has no stimulating organic qualities. Relatively elaborate equipment also needs to be used to extract just a single active molecule.

Premium-quality, virgin Neem oil is virtually hand-made and imported directly from India where its use has very positive effects on the development of this country's trade.

## Benefits

1. It's safe to use around pets and wildlife.
2. It's organic and biodegradable.
3. It doesn't create "death zones" as other insecticides can.
4. You can use it to control insects at all stages of development.
5. It effectively controls hundreds of insects.
6. Neem oil insecticides are effective at controlling nematodes.
7. Beneficial earthworms won't be harmed.
8. It can be used as a dormant-season application or a foliar spray.
9. You can control lawn grubs with neem oil.
10. Neem cakes double as a good fertilizer and an effective pesticide.
11. You can safely use it on your indoor plants.
12. It's safe for greenhouse use.
13. Neem oil is a great fungicide.
14. Neem oil can protect your fruit trees and berry bushes.
15. Neem oil keeps the mosquitos away.
16. It comes in a variety of formulas.
17. Insects don't become resistant to neem oil.
18. It doesn't pollute water.
19. Easy to apply and can be used up until the day of harvest.
20. Neem oil used appropriately won't harm bees, butterflies and ladybugs.





## Our Major Clients



### Head Office



No.32, Ahamednagar,  
4th st, Virudhunagar.  
Tamilnadu-India.

Mr.Sathish Kumar  
+91 9677775778 / 9677775771  
contact@indexagro.com

### Factory address



90/2C Ramamoorthy road,  
Virudhunagar.  
+91 7010578068