

**MARGOSOM® CPNKO**  
**Cold Pressed Neem kernel oil**

**Introducing MARGOSOM® CPNKO**

MARGOSOM® CPNKO is derived from Neem Seed Kernels which is used as feedstock for extraction of Neem Kernel Oil. Neem Seed Kernels are cold pressed to get Neem Kernel Cake and Cold Pressed Neem Kernel Oil (CPNKO). The Neem Kernel Cake (NKC) is either marketed in the same form or blended with pulp and husk to market as Neem Cake.

The Cold Pressed Neem Kernel Oil is the feedstock for extraction of Azadirachtin Tech and the Oil is also used in Azadirachtin Formulations as a natural carrier of Azadirachtin Tech.

Cold Pressed Neem Kernel Oil contains minimum of 800 ppm of Azadirachtin and is the raw material to formulate Emulsified Neem Oil (300 ppm Azadirachtin EC).

**A Historical Brief**

Neem seed kernel decoction and neem leaf powder decoction have been used by farmers in India for centuries for protecting crops against pests.

Azadirachtin was first extracted from the Indian neem tree in 1968, but its structure was not correctly determined until 1985.

In India, Bambarkar in 1990 presented a table showing the activity of neem against twenty species of insect pests, ten nematodes and several fungi.

**Mode of Action**

The Cold Pressed Neem Kernel Oil is the feedstock for extraction of Azadirachtin Tech and the Oil is also used in Azadirachtin Formulations as a natural carrier of Azadirachtin Tech.

**Method of Application**

MARGOSOM® CPNKO is used by industries as per the formulation requirements.

**Target Use**

The Cold Pressed Neem Kernel Oil is the feedstock for extraction of Azadirachtin Tech and the Oil is also used in Azadirachtin Formulations as a natural carrier of Azadirachtin Tech.

## Crops

MARGOSOM® CPNKO can be used as a base material for Azadiractin EC formulations which are suitable for application on Cereals , Millets , Pulses, Oilseeds, Fibre Crops , Sugar Crops , Forage Crops , Plantation crops ,Vegetables, Fruits, Spices , Flowers , Medicinal crops , Aromatic Crops , Orchards and Ornamentals.

## Compatibility

MARGOSOM® CPNKO is the raw material base for making Azadiractin Tech and is not suggested to be mixed with other chemicals.

## Shelf Life

MARGOSOM® CPNKO is stable for a period of 24 months from the date of manufacturing.

## Mass Composition

CONSTITUENT	W/W %	FUNCTION
Neem Kernel oil	-	Active
BIOLOGICAL COMPOSITION		
CONSTITUENT		POTENCY
Neem Kernel oil		Aza Tech 800 ppm min.

Free from Salmonella, Shigella , E.Coli

## Cautions for handling and use of product

1. Direct incidence of MARGOSOM® CPNKO on eyes may be irritating. It is suggested that the operator wears eye goggles, face mask and protective clothing while handling the product.
2. Do not dispose in stagnant water / flowing water where there is a possibility of causing pollution to natural resources.
3. Do not eat / drink / smoke during formulation.

## Symptoms and Antidotes

**Symptoms:** Occasional symptoms include head ache and nausea.

**Antidote:** In the case of ingestion: symptomatic treatment is advised. In the case of contact with Eyes: Flush with water liberally for 20 minutes. In case of Skin contact, wash the affected area with plenty of water and soap.

### Citations

There are many citations in public domain on uses of Cold Pressed Neem kernel Oil.

### Commitment to Nature

- MARGOSOM<sup>®</sup> CPNKO is safe to natural parasites, pollinators and predators.
- MARGOSOM<sup>®</sup> CPNKO can be used as an effective component in IPM programmes.
- MARGOSOM<sup>®</sup> CPNKO does not lead to residue problems and doesn't cause resistance or resurgence problems.

### Benefits from MARGOSOM<sup>®</sup> CPNKO

- The Cold Pressed Neem Kernel Oil is the feedstock for extraction of Azadirachtin Tech
- The Oil is also used in Azadirachtin Formulations as a natural carrier of Azadirachtin Tech.