



Azadirachtin Technical
(NEEM EXTRACT)

NEEM AZAS

Azadirachtin is the most potent insecticidal ingredient present in the neem seed kernel as it has organic molecule class tetranoiterpenoids.

Azadirachtin Technical

This contains number of insecticidal bio-compounds like:

 **AZADIRACHTIN A**

 **AZADIRACHTIN B**

 **AZADIRADIONE**

 **GEDUNIN**

 **NIMOCINOL**

 **SALANIN**

 **NIMBIN**

 **MELIANTROL & MANY OTHERS**

Characteristics

 **CHEMICAL NAME :** AZADIRACHTIN

 **APPEREANCE :** PALE YELLOW

 **PHYSICAL STATE :** FREE FLOWING

 **ODOUR :** FAINT ODOUR

 **AZADIRACHTIN CONTENT :** 10% TO 40% W/W

 **COMPOSITION :**

AZADIRACHTIN A : 8%-28%

AZADIRACHTIN B : 2-10%

OTHER NEEM KERNEL LIMINOIDS : 60-90%

 **STABILITY :** 12 MONTHS

 **STORAGE :** TO BE KEPT IN CLOSED DRY CONTAINER PROTECTED FROM LIGHT



Why Azadirachtin Technical is the best choice for making Insecticides/Pesticides?

BIO-DEGRADABLE :

Pesticides containing azadirachtin are versatile: bio-degradable; leave no Residue and easily degrades in soil and water hence safe for the environment.

BROAD SPECTRUM :

Ideal Source For Integrated Pest Management. It Is Found To Be Effective Against 600 Species Of Insects For Fruits ,vegetables And Plantation Crop, Green Houses And Agricultural Crops Such As Sugarcane,paddy,cotton And Tea.

ORGANIC & COMPLETELY SAFE :

It is completely safe for non-targeted insects like butterflies and honeybees And also safe for mammals like human beings as azadirachtin and other Liminoids are found in nature.

NON-RESISTANT :

Insects cant develop resistance for azadirachtin due to symbiotic effect of bio Chemicals present in it.



How it Works?

Azadirachtin doesn't kill insects directly .The pest insect takes up the active Ingredient orally either by sucking or biting that is penetrated into crop After application.

Neem azas results in disruption of insect development. Also, it interfares With pest insect's hormonal activity & disruptor in feeding,growing and Overall change in their life cycle.

The bio activity on insects will be visible in few hours after application.

ANTI-FEEDANT :

Insects loose their appetite by altering their neural responses. Pests show Feeding and moulting inhibition and motality.

INSECT GROWTH REGULATOR :

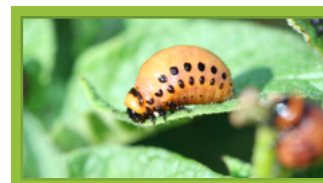
Larvae don't develop into full grown adults. It results in disruption of Insect development. In few hours, after application of neem azas the pest Becomes inactive.

REPELLENT :

Treated insects die due to the bitter smell of azadirachtin & they stop feeding On crops.It helps the crop from damaging.

OVIPOSITOR & OVICIDAL :

Azadirachtin prevents deposition & hatching on eggs by inhibiting oogenesis & synthesis of ovarian ecdysteroid.Pupa stops molting & hence dies in this stage Itself.



Azadirachtin is formulated to provide broad spectrum insect control with very low environmental impact. It affects all stages of insects; be it eggs, pupa or adult insect. Moreover, it is ideal source for integrated pest management as it is completely eco friendly; therefore it is much efficient than synthetic insecticides.

List Of Targeted Pests & Various Crops:

PESTS:- It is found to be effective in control of Insect Categories:

- 🌿 **Homoptera:** Whiteflies, Scale Insects, Aphids, Mealybugs, Leafhoppers Etc.
- 🌿 **Coleoptera:** Cucumber Beetles, Mexican Bean Beetles Etc.
- 🌿 **Diptera:** Fruit Flies, house Flies, Leafminer, pod Fly, Bot Fly, horn Fly Etc.
- 🌿 **Orthoptera:** Crickets, Locusts, Grasshoppers Etc
- 🌿 **Thysanoptera:** Thrips
- 🌿 **Heteroptera:** Rice Bug, Green Vegetable Bug, Milk Weed Bug, Red Cotton Bug Etc.
- 🌿 **Mites:** Carmine Spider Mite, Citrus Mite, Two-spotted Spider Mite, seven Spotted Spider Mite Etc.
- 🌿 **Lepidoptera:** Moths, Armyworms, Fruit Borers, Corn Borers Caterpillars, Pink Boll Worm, Cutworms, Stem Borers, Semi Loopers, Diamond Back Moth, Plume Moth, Leafrollers, tobacco Horn Worms Etc.
- 🌿 **Hymenoptera:** Sawflies (Mustard Saw Flies)

Crops

Azadirachtin Technical based insecticides are organic in nature and can be used on following crops:

- 🌿 **OIL SEED CROPS**
 - 🌿 **ORNAMENTAL PLANTS**
 - 🌿 **STONE FRUITS**
 - 🌿 **POME FRUITS**
 - 🌿 **GREENHOUSE FOOD CROPS**
 - 🌿 **MUSHROOM**
 - 🌿 **FOOD CROPS INCLUDING :**
- 🌿 **TREES AND SHRUBS**
 - 🌿 **TURF AND TURF GRASS**
 - 🌿 **TROPICAL FRUITS**
 - 🌿 **ROOT AND TUBER VEGETABLES**
 - 🌿 **NUTS**
 - 🌿 **MISCELLANEOUS FOOD AND NON-FOOD CROPS**

- * Berries
- * Bulb Vegetables
- * Cereal Grains
- * Herbs And Spices
- * Leafy Vegetables
- * Citrus Fruits
- * Fruiting Vegetables
- * Cucurbit Vegetables

