

PRODUCT INFORMATION SHEET

VAN KNOCK OFF is a natural herbal formulation having highly potent insect pest control properties.

VAN KNOCK Off is made from medicinal herbs like Adathoda sp and Vitex sp; through a selective distillation of aqueous extracts. The active principles are isolated through a selective separation process and is formulated scientifically to retain the bio efficacy of the product for longer shelf life.

The organic compounds derived from these herbs are easily hydrolysed in the plant system and hence does not leave any taint or residues on the crop and in the produce. Due to fact that VAN KNOCK Off is made from natural herbs it is approved for Organic Agriculture by ECOCERT as per NOP standards and INDOCERT as per NPOP standards.

Mode of Action.

VAN KNOCK OFF is to be applied as a diluted solution on the crop as a foliar spray. VAN KNOCK Off belongs to the category of highly potent yet organically derived broad-spectrum herbal insecticide that works as a contact and systemic poison to provide complete protection to crops from a wide range of insect pests.

** The active principles are absorbed by the plants quickly to cover the entire part of the plant parts.

**The characteristic odour repels the insects from feeding and ovulations on the leaves, stem flowers & fruits.

**The insect pests when comes in contact with the formulation while application or while feeding a treated plant, will be incapacitated due to knock-down action of the active principles.

** The systemic nature of the formulation inhibits reproductive capacity of the adults when they feed upon the treated plants.

Benefits.

Being an organic pesticide, the time of application shall coincide with the susceptible stage of the crop or early infestation stage of the pest.

** Effective against all types of sucking pests, bugs, caterpillars, grubs and larvae.

**Effectively controls the proper development of insect pests by affecting all stages of their lifecycle, to reduce the adult population.

** Has effective knock-down action on caterpillars, larvae and adults to bring down the population quickly.

**Provides complete and longer protection of the crops when applied at all critical stages of the crops.

**Brings down the pest population below the Economic Threshold (ET) level within 7 days of application.

** Being organic in nature, does not leave any toxic residue on the crop or on the yield.

**Since multiple organic compounds are involved in the plant protection process, resurgence of pests will not occur, even with repeated application.

**Suitable for organic agriculture / horticulture as it is approved by ECOCERT & INDOCERT as per NOP and NPOP Standards of Organic Farming Systems.

**Compatible with other Agro chemicals including synthetic formulations.

Target Pests of Crops.

VAN KNOCK Off protects the crops against the infestation of all sorts of pests including Mealy Bugs, Thrips, Aphids, Worms, Locusts, Semi loppers, Soft bodied insects, Hairy Caterpillars, Root and Shoot boring Larvae, Grubs, etc.

Dosage:

As a prophylactic spray the concentration VAN KNOCK Off in the spray solution recommended is 5.00 ml per Litre of water.

As a curative spray (after onset of infestation) the concentration Bug Off in spray solution shall be 7.00 ml per Litre of water. While applying after the infestation of the pest, it is recommended to repeat the application once on 14th day after first application.

Preparation of spray solution:

Dissolve the required quantity of VAN KNOCK Off in small amount of water and make up the spray solution with mild agitation.

Mode of application:

Apply the diluted solution of VAN KNOCK Off as foliar spray to cover the above ground parts till run off stage. If it rains within 8 hours of application, repeat the spray on a rainless day. Spraying is preferable on morning or late evening hours when the wind velocity is low.

Apply as a soil drench with same dilution in water around the base of the crop or through drip lines to control the soil borne insects affecting the roots and tubers.

Pack sizes available:

Bug Off is available as a concentrate formulation in 1.00 Lt, 5.00 Lt, 200 Lt and 200 Lt Barrels. The packing is made of HDPE bottles and virgin plastic barrels.

Certification:

VAN KNOCK Off is certified for Organic Agriculture by ECOCERT as per NOP standards and by INDOCERT as per NPOP Standards by Government of India.

Composition:

INGREDIENTS	COMPOSITION IN %
Leaf extract of Vitex sp.	25%
Stem extract of Adathoda sp.	25%
Lime (Calcium Carbonate) Liquid as Neutralizer	2%
Digested bio mass concentrate	8%
DM water	40%
Total 100 %	100%

Technical specifications:

SL No	PARAMETERS	VALUE / DESCRIPTION
1	PRODUCT NAME	VAN KNOCK OFF
2	PHYSICAL STATE	LIQUID
3	APPREANCE	DARK BROWN NON-DRYING VISCOUS LIQUID
4	ODOUR	PLANT EXTRACT ODOUR
5	SPECIFIC GRAVITY	0.95 ~ 0.98
6	pH	6.7 ~ 6.9
7	COLD TEST	NO TURBIDITY, NO SEPARATION OF SOLID
8	SOLUBILITY	FULLY SOLUBLE IN WATER