

VAN VIROCURE

VAN VIROCURE is a natural herbal formulation having highly potent principles for the control of plant pathogenic viruses. **VAN VIROCURE** is made through selective distillation of medicinal herbs like Lantana sp., Boerhavia sp and Bougainvillea sp., and stabilized in an aqueous solution.

VAN VIROCURE belongs to the category of broad-spectrum herbal Viricide that prevents and cures the crop plants from the damages caused by common plant parasitic viruses like Tobacco Mosaic Virus, Bunchy Top Virus, Citrus Tristeza Virus, Lettuce necrotic yellows Virus (Rhabdovirus), etc.

Since **VAN VIROCURE** is made from herbal extracts there will not be any toxic residues on the plants as well on the yield. **VAN VIROCURE** is approved for use in Organic Agriculture by ECOCERT as per NOP standards and by INDOCERT as per NPOP Standards.

Mode of Action

VAN VIROCURE is soluble in water and upon spraying on the crops, the active principles are absorbed easily on the plant system and migrate to the diseases affected parts to commence the corrective metabolism.

- It encapsulates the virus protein within the plant system and prevents further multiplication.
- Due to this encapsulation, the movement of virus protein within the plant system is completely arrested preventing further spread to other parts of the plant.
- The active ingredient retards the formation of outer cell wall of the Virus thus making the protein susceptible for lytic enzymes that converts this proteins into amino acids for growth of the host plant.
- The active principles hydrolyse the virus protein quickly and prevents further building of virus protein chains in the plant system.

Benefits

- **VAN VIROCURE** is a curative formulation and hence does not necessitate the complete removal of the crops due to Virus attack. The infested plants recover fully when treated with **VAN VIROCURE** and even grow to yield economically. It is not required to cut and burn the infested plants as practiced in many parts of the world.

- **VAN VIROCURE** prevents the spread of the disease within the infested plants as well as to other plants in the field. As a result, the newly emerging shoots of a treated plant will be devoid of diseases and will continue to yield naturally.
- Protects the crop completely when applied as a prophylactic spray during susceptible stage of the crops.
- The yield loss due to Virus disease is reduced to the minimum with timely application.
- **VAN VIROCURE** is well suited for Organic Agriculture and in Integrated Pest Management (IPM) Programs.
- **VAN VIROCURE** and does not leave any toxic residues on the crop or on the environment.

Target Pathogenic Viruses of Crops.

VAN VIROCURE protects the crops against the infestation of Tobacco Mosaic Virus, Bunchy Top Virus, Citrus Tristeza Virus, Lettuce necrotic yellows Virus (Rhabdovirus), etc. These viruses usually cause economic damages to Tobacco, Banana, Chillies, Turmeric, Ginger, Pepper, Vegetables, Cotton, Citrus, Tuber crops, Cucurbits, Leafy vegetables and various other economically important crops.

Dosage.

The ideal dosage for prophylactic treatment is 5 ml per litre of clean water. For control sprays on infected plants, the dosage has to be increased to 7 ml per Lt of water.

Like any control measure against Virus diseases, it is important to control the vector population for effective management of this disease. Hence **VAN VIROCURE** is recommended to be applied as a combination spray with Neem Formulations to control the insect vectors.

VAN VIROCURE is compatible with other insecticides and fungicides.

Preparation of spray solution:

Take required quantity of **VAN VIROCURE**, add little quantity of water, mix and make into a solution. Then add the remaining quantity of water to make up to the volume of spray solution.

Mode of application:



Apply as a foliar spray to cover the above ground parts of the plants till the run off stage. Ideal time

to spray is early in the morning or late in the evening when wind velocity is less. If it rains within 8

hours of application repeat the spraying on a rainless day.

When spraying after the incidence of the disease, give a back-up spray on 15th day of the first application.

Pack sizes available:

VAN VIROCURE is available in 1.00 Lt, 5.00 Lt, 20.00 Lt and 200 Lt Barrels. The containers used are HDPE bottles or barrels.

Certification:

VAN VIROCURE is certified for Organic Agriculture as per NOP standards by ECOCERT and NPOP standards by INDOCERT.

Composition:

SL No	INGREDIENT	COMPOSITION PERCENTAGE	IN
1	LANTANA CAMERA EXTRACT	7.75 - 8.25 %	
2	BOERHAVIA EXTRACT	7.50 - 7.85 %	
3	BOUGAINVILLEA EXTRACT	6.00 - 6.50 %	
4	LIME NEUTRALIZER	4.00%	
5	DM WATER	75.00%	

Technical specifications:

SL No	PARAMETERS	VALUE
1	PHYSICAL STATE	LIQUID
2	APPEARANCE	GOLDEN YELLOWISH TO DARK BROWN IN COLOUR, FREE FLOWING LIQUID
3	ODOUR	DIGESTED HERB ODOUR
4	SPECIFIC GRAVITY	1.04 - 1.07 g/ml
5	pH	5.85 - 6.35
6	SOLUBILITY	FULLY SOLUBLE IN WATER AT ROOM TEMPERATURE
7	COLD TEST	NO TURBIDITY, NO SEPARATION OF SOLID

