

UNILIFE

युनी लाईफ

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**unique 100 % organic biodegradable
multipurpose
3 in 1
formulation suitable for Organic Farming
(anti-bacterial, anti-fungal and anti-viral)**

UNILIFE is an 100 % organic, non toxic, non mutagenic, biodegradable unique formulation with broad spectrum antibacterial, antifungal and antiviral activity. It is recommended for the prevention and control of disease caused by bacteria (gm-ve & gm +ve), fungi and virus. **UNILIFE** at the recommended doses, has a “selective” mechanisms of killing only pathogenic bacteria (because pathogenic bacteria have thin cell wall whereas beneficial bacteria have thick cell wall) .

how does it work ?

3 Mechanisms of action !!!

1. **Disrupt** the cellular Membrane of Bacteria and Fungi
 - a. **UNILIFE** alters the permeability of the cellular membrane of the bacteria and fungi.
 - b. **UNILIFE** interferes with the chemical messages of enzymes and proteins , interrupting the proliferation of the microorganisms
 - c. **UNILIFE** causes rupture of the mycotic cell membrane wall, therefore it does not create resistance. It is non-mutagenic.
2. **Induce** Systemic Resistance of the plant (SIR)
 - d. **UNILIFE** induces the accumulation of common phenolic compounds assisting against fungi toxic action
 - e. **UNILIFE** promotes the production of phytoalexin that are toxic to bacteria, fungi and virus.
3. **Invigorate** the plant , stimulating the cellular regeneration
 - f. **UNILIFE** reduces the stress of the plant caused by the microorganism attack.
 - g. **UNILIFE** promotes cellular differentiation , helping with the recovering of the crop

Recommendation

PRE-HARVEST

UNILIFE is used to (i) prevent the potential damage and (ii) to control the disease caused by bacteria and fungi and to stimulate the production of new plant tissues.

Foliar Application (Normal dilution is 2.5- 5 ml per liter of water)

- Preventive** : 300 -600 ml per acre every 2-3 weeks.
- Curative** : 500-600 ml per acre every week
- Last Application** : Can be applied on the same day of the harvest, allowing to increase the shelf life of the fruit. (Since it is a natural organic product , is safe and harmless)
- For seed & root dipping** : 2.5 ml per liter of water (immerse for 30 min , and dry it before planting)
- For Root drenching** : In case of severe infection use 10 ml per liter of water otherwise 5 ml per liter.

POST HARVEST

- **extends shelf-life**

It is applied by immersion or spraying depending on the kind of fruit , vegetable or flower. The dosages varies , but in most cases it is 1.5 to 2.5 ml per liter of water to treat flowers, ornamental plants, vegetables and fruits (bananas, grapes , strawberries etc.)

- **controls pathogens**

Controls pathogens such as Cholera, E. Coli , Salmonella etc. and hence reduces the contamination risk to human beings.

UNILIFE controls the diseases caused by :

Bacteria	Virus	Fungi	
Erwinia	TMV	Ascochyta	Phytophthora
Pseudomonas	TSW	Fusarium	Cercospora
Agribacteria	RSNV	Botrytis	Septoria
Corynebacteria	White Fly	Alternaria	Stemplyium
Xanthomonas		Sphaerotheca	Peronospora

NOTE : These diseases are the ones that have been studied till today . Due to its non toxic and wide spectrum characteristics other crops and diseases are being studied.

packing : 250 ml bottle