



**AG Fort<sup>®</sup>**  
**HEALTH BOOSTER**  
For Plants

A PRODUCT OF **SEA6 ENERGY PVT. LTD.**





**AG Fort**  
HEALTH BOOSTER

control  
**IMO**

NATURAL



**AG Fort**<sup>TM</sup>  
HEALTH BOOSTER



FOR BETTER  
HEALTH &  
WEALTH

**Usage:**  
200ml/litre or 1.5ml/l

**Spray Schedule:**  
3-4 applications during vegetative and reproductive growth stages at 20-30 day intervals.

**Directions for use:**  
✓ AG Fort is suitable for use in foliar spray or soil drench in water conditions.  
✓ Use at ambient temperature, away from direct sunlight.  
✓ Shake well before use.

**Compatibility:**  
AG Fort is water soluble and is compatible with most agrochemicals. However, it is advised to test compatibility in the field.

**Use:** May be used in organic crop production in accordance to the requirements of the National Program for Organic Production (NPOP), Regulation (EC) No. 853/2007 & Regulation (EC) No. 853/2008 and the Chinese Organic Regulation (2011).

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# 40%

OF TOTAL LOSSES OF CROPS  
ARE DUE TO VIRAL INFECTIONS.

When infected by virus within 20 days after planting, there may be up to 92.3% yield loss in plants. Plants infected 35 and 50 days after transplanting may result in 74% and 22.9% yield loss respectively.

**AG Fort®** is a sustainable and an eco-friendly product that boosts plant immunity and resistance to the viral attacks. It is powered by SUPR (Specific Upregulation of Pathogen Resistance) Pathways technology to unlock the plant's defence mechanism and improve overall health of the plants.



A unique and proprietary formulation to provide broad-spectrum protection against plant viruses.

## **First ever health booster to be included in Package of Practices by GKVK, Bangalore for the management of viral diseases.**

When applied prophylactically (applied before the disease occurrence), gives 2 weeks control by increasing the resistance against viral incidences. Completely natural extract, safe to both spray operators and the environment.

### **Benefits of usage**



Reduces leaf curling, chlorosis, mottling, yellow mosaic spots and stunting



Delays disease onset and improves plant's vigour



Improves fruit colour and yield



New growth is disease free



Essential regulator of plant defense.



Promotes photosynthesis & reduces chlorosis on leaves

### **Dosage**

1.5 ml per liter of water / 300ml per acre

### **Application**

First Spray at 10-15 Days after planting followed by two sprays at 15 days interval

### **Crops**

All types of crops



CUCURBITS



MELONS



GOURDS



TOMATO



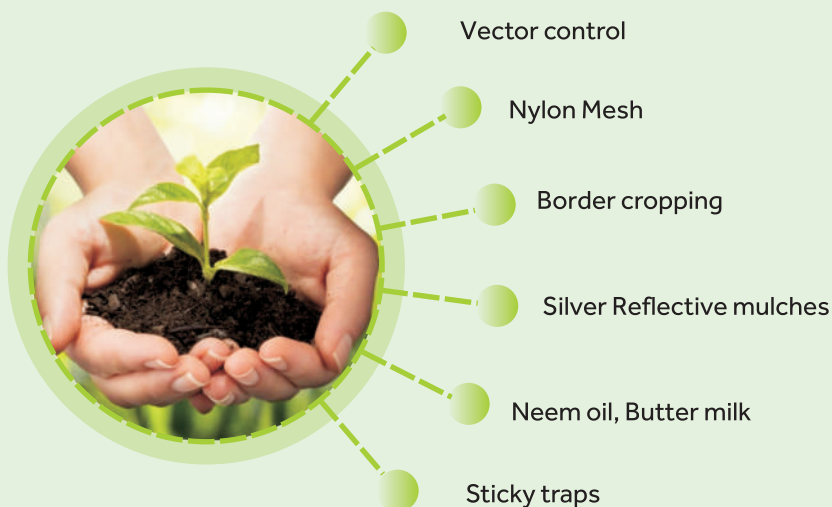
CHILI



PAPAYA

**FOR EFFECTIVE CONTROL OF VIRAL DISEASES,  
AG FORT SHOULD BE USED ALONG WITH  
THE INTEGRATED VIRUS MANAGEMENT PRACTICES.**

**Generally  
recommended  
virus management  
practices**



Some commonly recommended insecticides to control vectors (spreading viruses) are listed below:

Disease	Vector	Crop	Insecticides
Leaf curl (LCV)	White fly	Tomato, Chilli, Watermelon, Capsicum, Cucumber	Diafenthiuron, Spirotetramat + Imidacloprid, Acetamiprid + Bifenthrin, Afidopyropen
TOSPO (TSWV)	Thrips	Tomato, Chilli, Capsicum	Spinetoram, Thiamethoxam, Cyantraniliprole, Spinosad 45% SC, Fipronil, Acephate+Imidacloprid,
Cucumber Mosaic Virus (CMV)	Aphids	Tomato, Chilli, Capsicum, Cucumber	Fipronil, Imidacloprid, Thiamethoxam+lambdacyhalothrin Profenofos+Cypermethrin, Imidacloprid
Papaya Spot Ring Virus (PRSV)	Aphids	Papaya	Fipronil, Imidacloprid, Thiamethoxam+lambdacyhalothrin Profenofos+Cypermethrin, Imidacloprid
Yellow mosaic virus	White fly	Watermelon	Diafenthiuron, Spirotetramat + Imidacloprid, Acetamiprid + Bifenthrin, Afidopyropen
Vein mottling virus	Aphids	Capsicum	Fipronil, Imidacloprid, Thiamethoxam+lambdacyhalothrin Profenofos+Cypermethrin, Imidacloprid

EFFECTS OF AG FORT ON

# Tomato



Trial Location: : University of Agricultural Sciences, Bangalore

Varieties: NS-501, Indus, Emerald

Common viral diseases: Leaf curl virus, TOSPO Virus, Cucumber Mosaic virus

### Key Results:

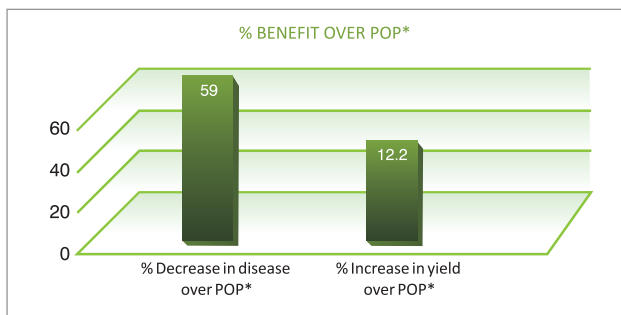
% Decrease in disease over POP*	<b>59%</b>
% Increase in yield over POP*	<b>12.2%</b>

### Conclusion:

- ✦ 3 rounds of prophylactic spray of AG Fort resulted in 59% reduction in viral incidences and 12.2% increase in yield over POP\*. A disease pressure of upto 74% (%DI) was recorded in untreated plants of some seasons.
- ✦ Application of AG Fort has resulted in more no. of flowers, increased fruit set and consistent reduction in viral diseases as compared to untreated plants.

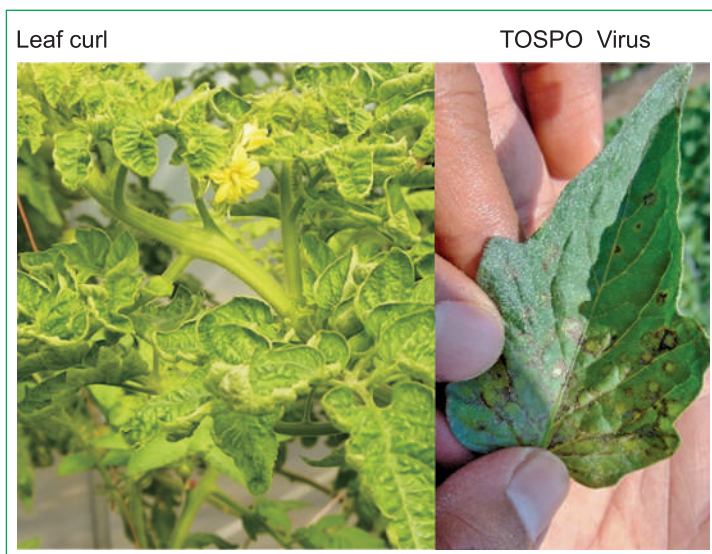
# 59% DECREASE

IN % DISEASE INCIDENCE OVER POP\*



POP\* : Common insecticide was used as per Package of Practices

### Untreated plants



### AG Fort Treated



Significant reduction of viral incidences in AG Fort treated as compared to untreated.

EFFECTS OF AG FORT ON

# Chilli



Trial Location: University of Agricultural Sciences & Farmer's Fields, Karnataka  
 Varieties: HPH-5533 , US-341  
 Common viral diseases: Cucumber Mosaic Virus, Leaf Curl Virus and TOSPO Virus

### Key Results:

% Decrease in disease over POP*	54%
% Increase in yield over POP*	29.6%

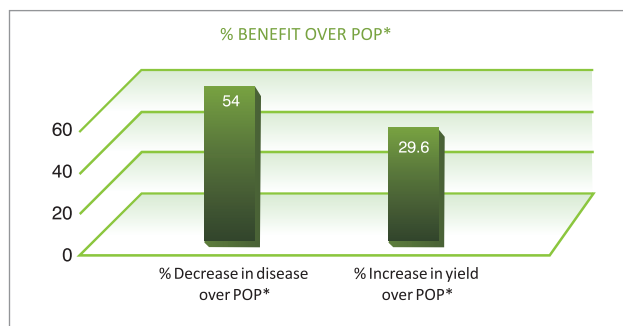
### Conclusion:

- + 3 rounds of prophylactic spray of AG Fort resulted in 54% reduction in viral incidences and 29.6% increase in yield over POP\*.
- + Application of AG Fort has resulted into good plant growth, more no. of flowers & fruit set compared to untreated plants.
- + Product efficacy is superior under integrated pest management practices such as using silver reflective mulching and border crop growing.

POP\*: Common insecticide was used as per Package of Practices

# 54% DECREASE

IN % DISEASE INCIDENCE OVER POP\*



Untreated plants

Leaf curl



AG Fort Treated



New plant growth is mostly disease free or less symptomatic in treated plants

EFFECTS OF AG FORT ON

# Capsicum

Trial Location: Rajanukunte, Karnataka

Varieties: Seminus, Indra

Common viral diseases: Cucumber Mosaic Virus, Pepper Vein Mottling Virus (PVMV), TOSPO Virus and Leaf Curl Virus

### Key Results:

% Decrease in disease over POP*	<b>28.5%</b>
% Increase in yield over POP*	<b>11.82%</b>

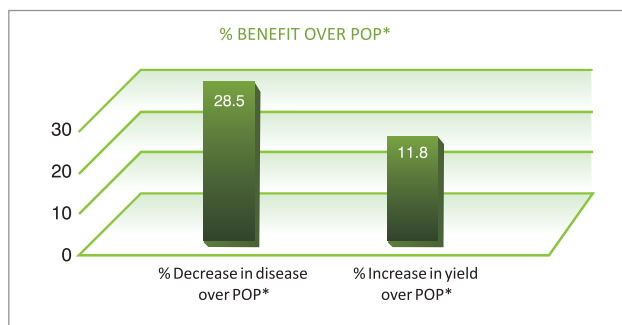
### Conclusion:

- † 4 rounds of prophylactic spray of AG Fort resulted in 28.5% reduction in viral incidences and 11.82% increase in yield.
- † Application of AG Fort has resulted in good plant growth, more no. of flowers & fruit set compared to untreated. Disease symptom severity was mild to moderate compared to untreated.

POP\*: Common insecticide was used as per Package of Practices

# 28.5% DECREASE

IN % DISEASE INCIDENCE OVER POP\*



### Untreated plants

Pepper Vein Mottling Virus



### AG Fort Treated





EFFECTS OF AG FORT ON

# Cucumber



Trial Location: ICAR - Indian Agricultural Research Institute, Pune

Variety: Green long

Common viral diseases: Cucumber Mosaic Virus, Leaf curl virus

## Key Results:

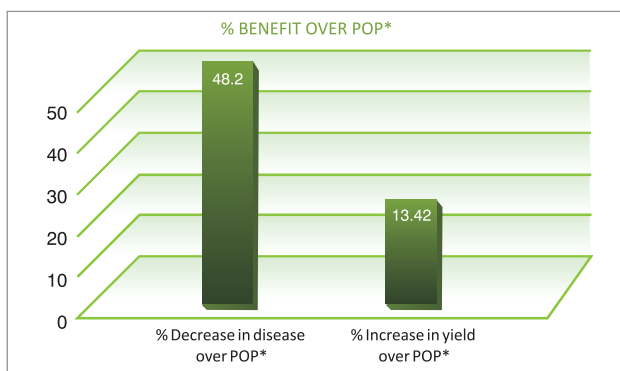
% Decrease in disease over POP*	48.2%
% Increase in yield over POP*	13.42%

**48%**  
**DECREASE**  
IN % DISEASE INCIDENCE OVER POP\*

## Conclusion:

- ✦ 3 rounds of prophylactic spray of AG Fort resulted in 48% reduction in viral incidences and 13.42% increase in yield over POP\*.
- ✦ Application of AG Fort has resulted in more no. of flowers, increased fruit set and consistent reduction in viral diseases as compared to untreated plants.

POP\* : Common insecticide was used as per Package of Practices



## Untreated plants

Cucumber mosaic virus



## AG Fort Treated



New plant growth is mostly disease free or less symptomatic in treated plants

EFFECTS OF AG FORT ON

# Papaya



Trial Location: University of Agricultural Sciences, Bangalore

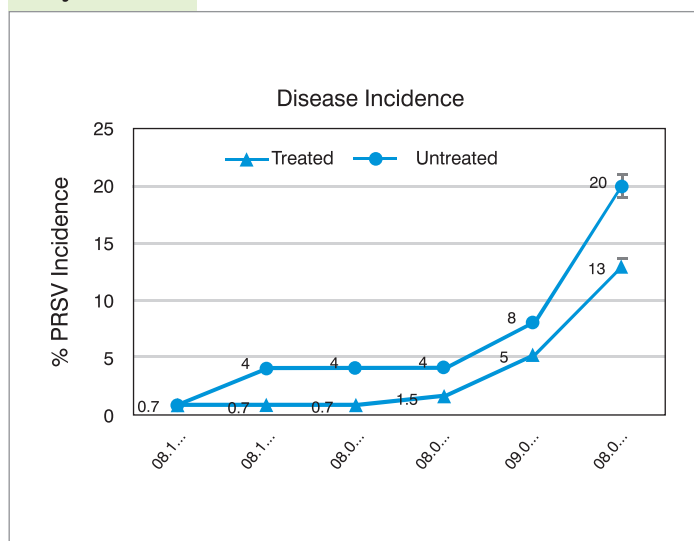
Variety: Red Lady

Common viral diseases: Papaya ringspot virus (PRSV)

## Conclusion:

- † Prophylactic spray of AG Fort reduces severity of PRSV and also improves yield.
- † Delayed Disease onset observed in treated group.
- † Uniform fruit formation was observed in treated group with less undulations and the yield per plant was higher in the treated as compared to untreated group.
- † Recommended in the Package of Practices for PRSV Management by Integrated approaches, UAS Bangalore, 2018.

## Key Results:



Untreated plants



AG Fort Treated



Untreated plants



AG Fort Treated



EFFECTS OF AG FORT ON

# Watermelon



Trial Location: Maharashtra  
 Varieties: Madulika, Cauvery  
 Common viral diseases: Ringspot Virus, Mosaic Virus, Leaf Curl Virus and Green Mottling Virus, Watermelon Bud Necrosis Virus

**Key Results:**

% Decrease in disease over POP\*

**46.2%**

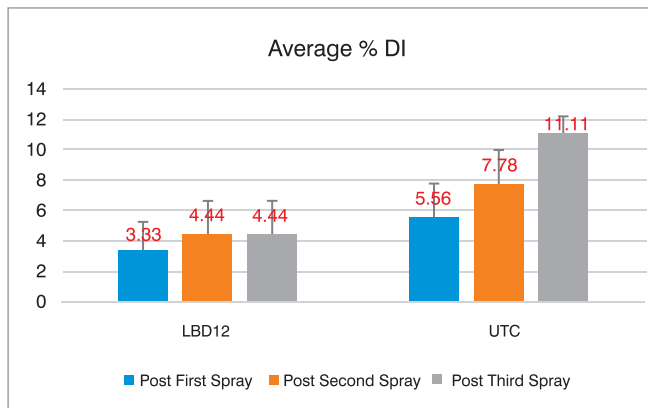
**46.2%  
DECREASE**

IN % DISEASE INCIDENCE OVER POP\*

**Conclusion:**

+ 3 rounds of prophylactic spray of AG Fort resulted into 46.2% reduction in viral incidences.

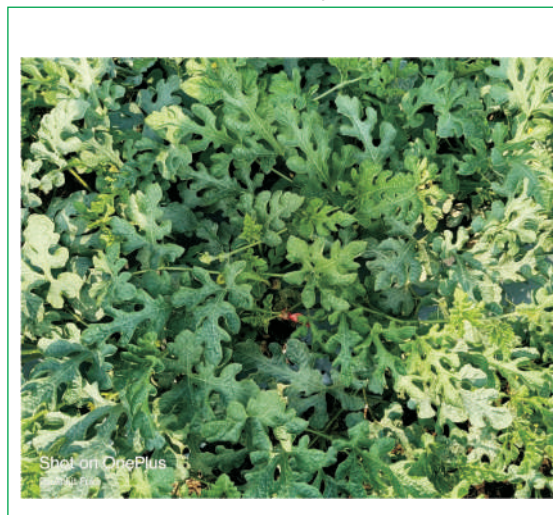
POP\* : Common insecticide was used as per Package of Practices



Treated plant before first spray



Treated plant after 3rd spray



New plant growth is mostly disease free or less symptomatic in treated plants



**Sea6 Energy Pvt. Ltd.**

Regd. Office: Centre for Cellular and Molecular Platforms, NCBS-TIFR Campus,  
GKVK Post, Bellary Road, Bangalore-560065, Karnataka, India.

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**Contact details:** Customer care manager, Phone: +91-7349612718 (10AM to 6PM)  
E-mail: [customercare@sea6energy.com](mailto:customercare@sea6energy.com)

