



**TUVA** **NON FREEZING**  
**PLANT NUTRITION** **&** **SOLUTION**



## Tuva Plant Nutrition

Nanoparticles create a protective shield over the plant and crop. This shield is created by the nano particles' chain reaction. This nano chain is in flexible form and elongates upto 30 cm as the plant grows. After this length of growth in plants, TUVA needs to be applied again as the nano chains will be broken.

Nano particles do not inherit any toxic material and leave no residue. TUVA help plants keep their internal heat, therefore pests can not detect the heat of the plants and due to the protective shield, they prefer not to lay

their eggs to hatch on plants. TUVA do not harm any living organism or any pest, but keep them away from being directly in contact with plant surface.

## Samples of applications of Tuva...

**Tomatoes, cucumbers, green and red peppers, eggplants and squash**

Earliness, increase in flowering, very healthy new shoots, thickening in crop/fruit stalks, revival of the plants, size growth of fruits, saturation in fruit colours, increase in flavor and increase in crop yield.

It has been observed that in 3 months period that once a month application increased the yield 20-35% continuously.

## Benefits of Tuva

1. Due to the nano particles used in the content, Tuva creates a protective shield on all crops, vegetation and plants
2. Tuva helps reduce plant stress
3. Tuva provides earliness in blooming and crop yield
4. Using TUVA increases yield in production
5. Tuva increases the oxygen levels in the body of plant water
6. Tuva gives nutrition to the plant both from soil and leaves
7. Tuva breaks down the sodium in the root of the plants
8. Tuva is not harmful for humans and environments



## Method of Application of Tuva

1. Can be applied from the leaves by fogging or by dripping method from the soil
2. 1 liter of TUVA to be added to 250 liters of water.
3. It is recommended to be applied once a month
4. It should be done at least 48 hours before rain or irrigation





## Freeze And Frost Problems In Crops

The main problem in agriculture in different geographical areas is the climatic conditions, and most dramatic of all is the freeze/frost problem.

It is important to distinguish the difference between freeze and frost in cold protection for crops. Freezes occur when a windborne cold air mass moves into an area bringing temperatures below 0°C. Frosts occur when the sky is clear and winds are calm, creating a temperature inversion; ground surface is below freezing while higher air is warmer.

The freeze/frost problem causes the water in plant cells to freeze and damage the plant. This in return stops the water circulating to the plant tissues.

Due to freeze damage, the tubular pipe loses its function and fertilizing do not take place. Depending on the strength of the freeze, loss of product can be huge. This problem is one of the most delicate and important issues that adversely effect the farmer and the economy of the country involved.

## Benifits of Tuva...

When applied 48 hours before the freeze, Tuva creates a protective coating on the buds and flowers. This protection contiuiues on the plants approximately up to 30 days unless there is a strong rain. This nano surface protection keeps the tubular pipe of the blossoms moist and helps pollens to successfully fertilize. Tuva, with its special formulation, not only solves the freeze/frost problem, but also gives extra nutrition to the plant for growth and productivity along with a balanced pH levels in the soil. Contributes to growth and increases crop yield as well.

Ratio	pH levels	Composition
%22	%4,0	Organic
%72	%6,7	Inorganic
%6	-	Nanoparticles



## Method of application of Tuva

1. By fogging through the leaves and with dripping from the soil
2. 1 lt Tuva is mixed with 50 liters of water
3. Tuva must be applied 48 hours before irrigation or after rain



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