

EXPERTS FOR GROWTH



Basfoliar[®] Colour SL



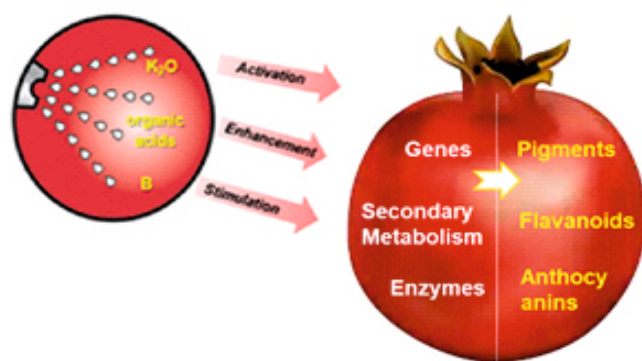


Basfoliar[®] Colour SL

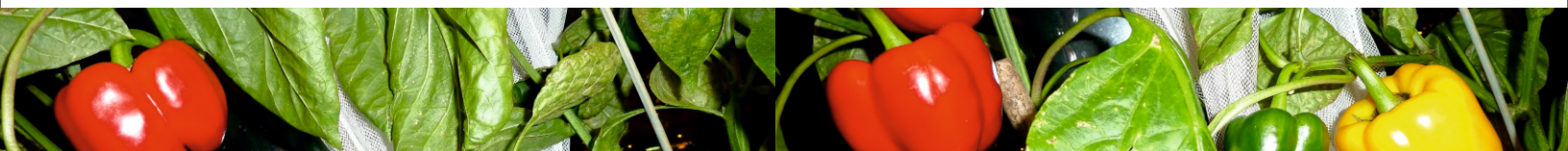
Basfoliar colour SL is a potential colour development agent, with **CBT -1 technology**, in fruits and vegetable crops. It enhances the natural colour formation process and plays a very significant role in synthesis of the chemical composition of pigments, and their arrangement in the tissues. It favours the formation and accumulation of red pigments like anthocyanins, lycopine and other flavonoids. These pigments also plays an important role to reduce excessive oxidative stress by scavenging free radicals. Basfoliar colour SL is a perfect combination of Potassium (K), Boron (B) and organic acids as biostimulant.

Mechanism of colour development

CBT-1 technology along with its' triple action formulae, activation of genes, enhancement of enzymatic activities & stimulation of secondary metabolites, is responsible for boosting the formation of antioxidants/pigments anthocynin and other flavonoids. The nutrients in Basfoliar Colour SL, potassium (K), boron (B) and Nitrogen (N) synergistically alongwith organic acids develop the phenomenon of copigmentation. Copigmentation is due to the molecular associations between anthocynins and other organic molecules. These associations specifically cause the pigments for greater colour than would be expected from their actual concentration.



Boosting organoleptic characteristics: Apart from colour development, CBT-1 technology in Basfoliar Colour SL also enhances other organoleptic quality of the fruits and vegetables as i) shine & appearance, ii) flavour (taste and aroma), iii) texture iv) nutritional value and v) other sensory quality/visual aspects. These sensory qualities also helps customer in making buying decision.





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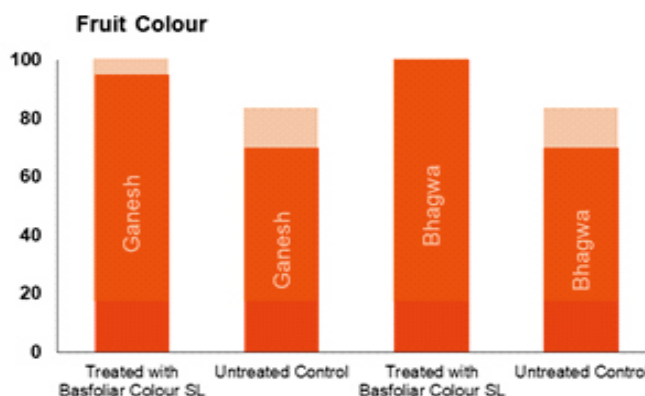
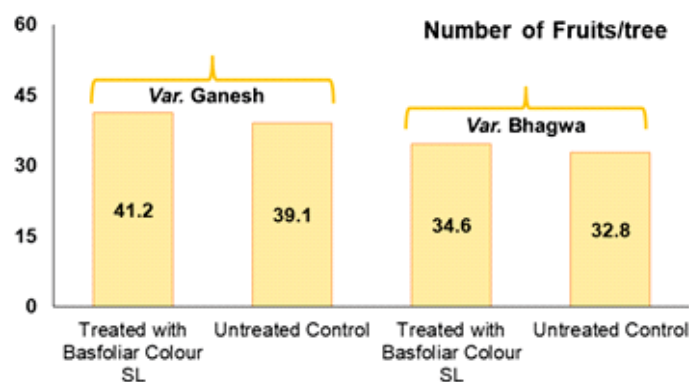
Specific features of Basfoliar Colour SL

- **High effectiveness:** Foliar application ensures efficient uptake of potassium and organic acids
- **High availability:** Potassium is available in a complexed organic form having optimized formulation for fast uptake and translocation
- **More colour:** CBT -1 technology increase formation and accumulation of anthocyanin and other flavonoids, also under suboptimal conditions
- **Speed up colour change:** Fast and homogenous colouring of fruits and vegetables
- **High quality:** Boron with potassium improves sugar formation and translocation

Basfoliar Colour SL agronomic trials:

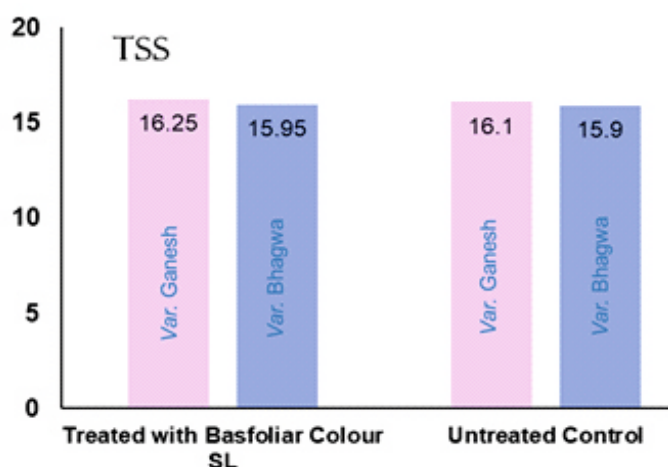
Several trials were conducted in pomegranate orchards to assess change in physical and physico-chemical parameters of pomegranate fruits in Basfoliar colour SL treated plants and untreated control.

The experiment conducted on two different varieties of pomegranate, application of Basfoliar colour SL on pomegranate showed an increase in number of fruits per tree for both the varieties. However, most significant difference was seen for color development in ripened fruits, where an enhancement of 10-20% was observed.



Colour development after 1st harvest (%)		
Pomegranate	Var. Ganesh	Var. Bhagwa
Treated with Basfoliar Colour SL	95-100	90-100
Untreated Control	70-80	70-80

Encouraging results were observed for some chemical attributes of pomegranate fruits treated with Basfoliar colour SL

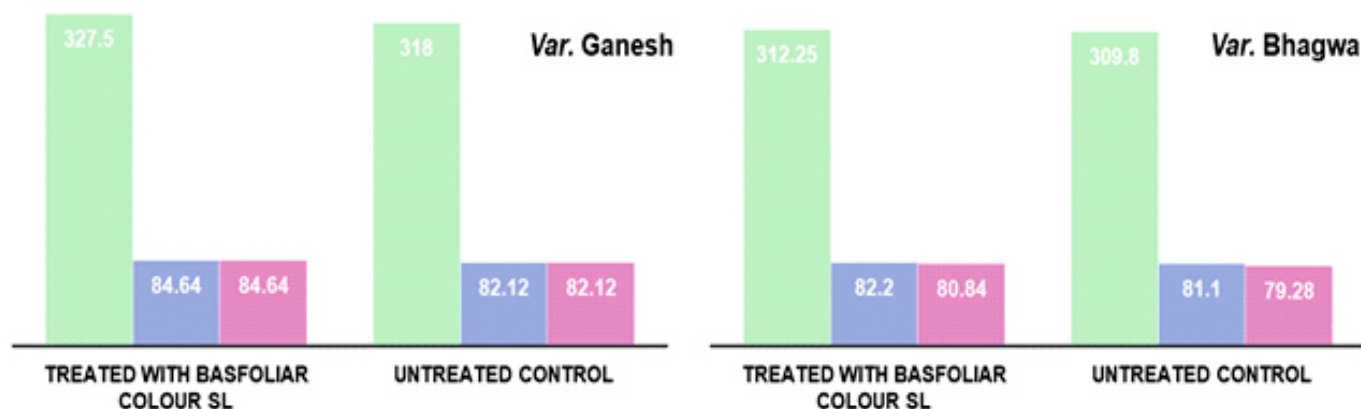




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Trial results also showed improvement in physical attributes of pomegranate fruits, such as fruit weight, fruit length, fruit diameter, number of arils, etc.

■ Fruit Weight (g) ■ Fruit Length (mm) ■ Fruit Diameter (mm)



■ Number of arils per fruit ■ 100 arils weight ■ 100 arils juice volume (mL)

