

ChitoPlant®

Tomato

ChitoPlant® enhances germination of the seeds, improves pathogen resistance of your plants by activating the plants own defence mechanisms* and it increases your tomato yield.

To improve germination and growth it is recommended to dip the tomato seeds in **ChitoPlant®**-solution. For yield increase and pathogen prevention foliar spraying of **ChitoPlant®** is recommended. These two treatments can be combined for best results.

Apply **ChitoPlant®** with conventional equipment.

Tomato Leaf Curl Virus (ToLCV) can be treated with a combination of chitosan and antagonistic microorganisms (*Pseudomonas*, *Bacillus*, *Streptomyces*, *Gliocladium*, *Trichoderma*, etc.). This results in healthier plants and higher yields.



Tomato plants infected with *Ralstonia solanacearum*
No ChitoPlant treatment = **Plants wilt and die**



Tomato plants infected with *Ralstonia solanacearum*
ChitoPlant treated = **Plants prosper**

Tomato			
Purpose	Enhanced growth / improved germination	Yield increase / disease prevention	curative
Mode of application	Seed dipping (1 minute)	Foliar spraying (dripping wet)	Foliar spraying (dripping wet)
Concentration	0.5g/L	0.5g/L	1g/L
Time of application	Prior to sowing	Every 14 days	every 10-12 days
Notifications		if infestation pressure is high or cultivar is susceptible to pathogen: use up to 1g/L	alternating with conventional treatments (e.g. copper-products) is possible
Preparation	To avoid agglutination dissolve ChitoPlant completely in a small amount of water before filling up to total required volume.		

*For more Information on ChitoPlant and its Mode of Action contact us:
Info@ChiPro.de

References:

1. Biocontrol of tomato leaf curl virus (ToLCV) in tomato with chitosan supplemented formulations of *Pseudomonas* sp. under field conditions
Shefali Mishra, Kavi Shivanandappa Jagadeesh, Palliath Ulpiradath Krishnaraj, Sagar Prem- 2014
2. Effect of chitosan on bacterial wilt in tomato
Kerstin Wydra & Leonard Kiirika Göttingen + Hannover

For more information on **ChitoPlant®** and detailed application guidelines please contact us.
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