

**Approved application protocols for chitosan hydrochloride
under EU Basic Substance Regulations (1107/2009 Appendix II)**

Approved for use for the control of pathogenic fungi and bacteria in field and glasshouse in the crops listed in the table below.

Mode of action = elicitor of plant defences to resist microbial pathogens.

Pre-harvest index (PHI) is zero days for all the protocols listed.

Crop	Application method	Growth stage & season	No of applications min/max	Interval between applications (min)	AI/100L min/max (g/100L)	Water L/ha min max	Total rate each application g AI/ha min max	PHI (days)
Fruits	Low-medium volume sprayer	From 1st leaf development to full development of fruit	4 to 8	Two weeks	50-200	200-400	100-800	0
Vegetables	Low-medium volume sprayer	From 1st leaf development to full development of fruit	4 to 8	Two weeks	50-100	200-400	100-400	0
Cereals	Low-medium volume sprayer	From 1st leaf development to full development of fruit	4 to 8	Two weeks	50-100	200-400	100-400	0
Cereals (seed treatment)	Low volume sprayer	Before sowing	1	n/a	50-100	n/a	n/a	0
Spices	Low-medium volume sprayer	From 1st leaf development to full development of fruit	4 to 8	Two weeks	50-100	200-400	100-400	0
Crops for animal feed	Low-medium volume sprayer	From 1st leaf development to full development of fruit	4 to 8	Two weeks	50-100	200-400	100-400	0



Potatoes (tuber treatment)	Low-medium volume sprayer / dipping	Before sowing	1	n/a	50-100	n/a	n/a	0
Sugar Beet (seed treatment)	Low-medium volume sprayer	Before sowing	1	n/a	50-200	n/a	n/a	0