

*CHITOSAN HYDROCHLORIDE*

Crop and/or situation (a)	Member State or Country	Example product of Chitosan hydrochloride as available on the market	F G I (b)	Pests or group of pests controlled (c)	Formulation		Application of chitosan hydrochloride				Application rate of chitosan hydrochloride			PHI (days) (m)	Remarks*
					Type (d-f)	Conc of a.i. g/kg (i)	Method kind (f-h)	Growt h stage & season (j)	No. of application min/max (k)	Interval between applications (min)	a.i./hl min max (g/hl)	Water l/ha min max	Total rate each application g a.i./ha min max (g/ha) (l)		
<i>Fruits berries and small fruit</i>	All	Chitoplant	F G	<i>Plant elicitor, plant resistance against pathogenic fungi and bacteria</i>	<i>SP Soluble powder</i>	<i>100% chitosan hydrochloride</i>	Low-Medium volume spraying	From 1 Leaf development ( main shoot) to 7 Devel opme nt of fruit	4-8	Two weeks	50 - 200	200 - 400	100-800	0	
<i>Vegetables</i>	All	<i>ChitoPlant</i>	F G	<i>Plant elicitor, plant resistance against pathogenic fungi and bacteria</i>	<i>SP Soluble powder</i>	<i>100% chitosan hydrochloride</i>	Low-Medium volume spraying	From 1 Leaf development ( main shoot) to 7 Devel opme nt of fruit	4-8	Two weeks	50 - 100	200 - 400	100-400	0	

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Cereals	All	ChitoPlant	F G	Plant elicitor, plant resistance against pathogenic fungi and bacteria	SP Soluble powder	100% chitosan hydrochloride	Low- Medium  volume spraying	From 1 Leaf develo pment ( main shoot) to 7 Devel opme nt of fruit	4 - 8	2 week	50 - 100	200 - 400	100-400	0	
Spices	All	ChitoPlant	F G	Plant elicitor, plant resistance against pathogenic fungi and bacteria	SP Soluble powder	100% chitosan hydrochloride	Low- Medium  volume spraying	From 1 Leaf develo pment ( main shoot) to 7 Devel opme nt of fruit	4 - 8	2 week	50 - 100	200 - 400	100-400	0	

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<i>Crops for animal feed</i>	All	<i>ChitoPlant</i>	F G	<i>Plant elicitor, plant resistance against pathogenic fungi and bacteria</i>	<i>SP Soluble powder</i>	<i>100% chitosan hydrochloride</i>	Low-Medium volume spraying	From 1 Leaf development ( main shoot) to 7 Development of fruit	4 - 8	2 week	50 - 100	200 - 400	100-400	0	
<i>Cereals Seed treatment</i>	All	<i>ChitoPlant</i>	F G	<i>Plant elicitor, plant resistance against pathogenic fungi and bacteria</i>	<i>SP Soluble powder</i>	<i>100% chitosan hydrochloride</i>	low volume spraying.	Before sowing	1	Not applicable	50 - 100	Not applicable	Not applicable	0	
<i>Potatoes Seed treatment</i>	All	<i>ChitoPlant</i>	F G	<i>Plant elicitor, plant resistance against pathogenic fungi and bacteria</i>	<i>SP Soluble powder</i>	<i>100% chitosan hydrochloride</i>	low volume spraying/dipping	Before sowing	1	Not applicable	50 - 100	Not applicable	Not applicable	0	

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					Type (d-f)	Conc of a.i. g/kg (i)	Method kind (f-h)	Growth stage & season (j)	No. of application min/max (k)	Interval between applications (min)	a.i./hl min max (g/hl)	Water l/ha min max	Total rate each application g a.i./ha min max (g/ha) (l)		
<i>Sugar beet</i>  <i>Seed treatment</i>	All	<i>ChitoPlant</i>	F G	<i>Plant elicitor, plant resistance against pathogenic fungi and bacteria</i>	<i>SP Soluble powder</i>	<i>100% chitosan hydrochloride</i>	low volume spraying/ dipping	Before sowing	1	Not applicable	50 - 200	Not applicable	Not applicable	0	

<p>* For uses where the column „Remarks. As above or other conditions to take into account</p> <p>(a) For crops, the EU and Codex classification (both) should be taken into account ; where relevant, the use situation should be described (e.g. fumigation of a structure)</p> <p>(b) Outdoor or field use (F), greenhouse application (G) or indoor application (I)</p> <p>(c) e.g. pests as biting and suckling insects, soil born insects, foliar fungi, weeds or plant elicitor</p> <p>(d) e.g. wettable powder (WP), emulsifiable concentrate (EC), granule (GR) etc..</p> <p>(e) GCPF Codes – GIFAP Technical Monograph N° 2, 1989</p> <p>(f) All abbreviations used must be explained</p> <p>(g) Method, e.g. high volume spraying, low volume spraying, spreading, dusting, drench</p> <p>(h) Kind, e.g. overall, broadcast, aerial spraying, row, individual plant, between the plant – type of equipment used must be indicated</p>	<p>(i) g/kg or g/L. Normally the rate should be given for the substance (according to ISO)</p> <p>(j) Growth stage at last treatment (BBCH Monograph, Growth Stages of Plants, 1997, Blackwell, ISBN 3-8263-3152-4), including where relevant, information on season at time of application</p> <p>(k) Indicate the minimum and maximum number of application possible under practical conditions of use</p> <p>(l) The values should be given in g or kg whatever gives the more manageable number (e.g. 200 kg/ha instead of 200 000 g/ha or 12.5 g/ha instead of 0.0125 kg/ha)</p> <p>(m) PHI - minimum pre-harvest interval</p>
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