



FICHA TÉCNICA
PT-0803-227
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28/07/2020



BIORGAN-SB

SUSTANCIA BÁSICA. Clorhidrato de quitosano para producir los mecanismos naturales de defensa del cultivo.

Características físicas y químicas:

Apariencia: Líquido marrón.

Solubilidad en agua: miscible con el agua.

Estabilidad: Estables bajo condiciones normales de uso, manejo, almacenaje y en recipiente cerrado.

pH: 4.5 ±1

Densidad: 1,05g/ml±0,5

No clasificado como producto peligroso de acuerdo al Reglamento CE. 1272/2008 (CLP)

CAS N°9012-76-4

Composición:

1% clorhidrato de quitosano.

Nº de Registro:

Clorhidrato de quitosano Sustancia básica aprobada con arreglo al artículo 23 del reglamento (CE) N°1107/2009 relativo a la comercialización de productos fitosanitarios. Aprobado por el reglamento de ejecución (UE) 563/2014.

Producto respeta los anexos de la norma EU 834/07 y 889/08.

Presentación:

60ml, 1L, 5L, 20L, 200L, 1000L.

Forma de Actuación:

Biorgan-sb compuesto por Elicitor, que tiene un efecto fungicida y bactericida a través de la estimulación de mecanismos naturales de defensa.

Dosis:

Aplicación foliar. Realizar los tratamientos con intervalos de aplicación ente 5 a 7 día dependiendo del cultivo. Las dosis sugeridas de producto en mezcla (diluido) son acordes a las normas de uso descritos en los documentos SANCO 12388/2013 (ver cuadros a continuación para verificar cultivos y plagas en los que se pueden usar)

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CHITOSAN HYDROCHLORIDE

Crop and/or situation (a)	Member State or Country	Example product of Chitosan hydrochloride as available on the market	F G or 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 (fh)	Growth stage & season (j)	No. of application min/max (k)	Interval between applications (min)	a.i./hl min max (g/ha)	Water l/ha min max	Total rate each application g a.i./ha min max (g/ha) (l)		
Fruits berries and small fruit	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 development (main shoot) to 7 Development of fruit	4-8	Two weeks	50 - 200	200 - 400	100-800	0	
Vegetables	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 development (main shoot) to 7 Development of fruit	4-8	Two weeks	50 - 100	200 - 400	100-400	0	

Crop and/or situation (a)	Member State or Country	Example product of Chitosan hydrochloride as available on the market	F G or 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 (fh)	Growth stage & season (j)	No. of application min/max (k)	Interval between applications (min)	a.i./hl min max (g/ha)	Water l/ha min max	Total rate each application g a.i./ha min max (g/ha) (l)		
Crops for animal feed	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 development (main shoot) to 7 Development of fruit	4 - 8	2 week	50 - 100	200 - 400	100-400	0	
Cereals Seed treatment	All	ChitoPlant	F G	Plant elicitor, plant resistance against pathogenic fungi and bacteria	SP Soluble powder	100% chitosan hydrochloride	low volume spraying.	Before sowing	1	Not applicable	50 - 100	Not applicable	Not applicable	0	
Potatoes Seed treatment	All	ChitoPlant	F G	Plant elicitor, plant resistance against pathogenic fungi and bacteria	SP Soluble powder	100% chitosan hydrochloride	low volume spraying/ dipping	Before sowing	1	Not applicable	50 - 100	Not applicable	Not applicable	0	

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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)	Growth stage & season (j)	No. of application min/max (k)	Interval between applications (min)	a.i./hl min max (g/ha)	Water l/ha min max	Total rate each application g a.i./ha min max (g/ha) (l)		
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 development (main shoot) to 7 Development 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 development (main shoot) to 7 Development of fruit	4 - 8	2 week	50 - 100	200 - 400	100-400	0	

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

* For uses where the column „Remarks. As above or other conditions to take into account	(i) g/kg or g/L. Normally the rate should be given for the substance (according to ISO)
(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)	(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
(b) Outdoor or field use (F), greenhouse application (G) or indoor application (I)	(k) Indicate the minimum and maximum number of application possible under practical conditions of use
(c) e.g. pests as biting and sucking insects, soil born insects, foliar fungi, weeds or plant elicitor	(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)
(d) e.g. wettable powder (WP), emulsifiable concentrate (EC), granule (GR) etc..	(m) PHI - minimum pre-harvest interval
(e) GCPF Codes – GIFAP Technical Monograph N° 2, 1989	
(f) All abbreviations used must be explained	
(g) Method, e.g. high volume spraying, low volume spraying, spreading, dusting, drench	
(h) Kind, e.g. overall, broadcast, aerial spraying, row, individual plant, between the plant – type of equipment used must be indicated	



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Recomendaciones:

No mezclar con Azufre.

Aplicar fuera de horas de calor. Utilícese solamente en caso de reconocida necesidad y No sobrepasar las dosis recomendadas.

Plazos de Seguridad:

Producto Residuo Cero.

Almacenamiento y manipulación:

Mantener resguardado del sol y de la humedad. Temperatura de almacenamiento: 10-35°C. En caso de derrame, limpiar la zona con agua.

Precauciones:

Maneje el envase vacío y sus residuos conforme lo establece la Ley General para la Prevención y Gestión Integral de los Residuos.

P101: Si se necesita consejo médico, tener a mano el envase o la etiqueta. P102: Mantener fuera del alcance de los niños. P103 Leer la etiqueta antes del uso. P270: No comer, beber ni fumar durante su utilización. P280: Llevar guantes, prendas, máscara de protección. P401: Almacenar lejos de alimentos, bebidas y piensos. P411: Almacenar a temperaturas no superiores a 35°C. P501: Eliminar el contenido y/o recipiente en base a normas locales.

Garantía:

Nuestros productos no son fitotóxicos a las concentraciones, etapas y formas de aplicaciones recomendadas. Realice las mezclas según las indicaciones de la etiqueta, respete los plazos de seguridad y prohibiciones de los productos aplicados con anterioridad y los que pretenda aplicar con posterioridad