

Clonostachys rosea / LALSTOP® G46 WG & PRESTOP® WP compatibility with different plant protection products

Both LALSTOP® G46 WG and PRESTOP® WP are biological fungicides used in the production of vegetables, herbs, fruits, berries and ornamentals. Both products contain mycelium and spores of a naturally occurring soil fungus, *Clonostachys rosea* strain J1446. *C. rosea* J1446 controls damping-off and root diseases (*Pythium*, *Phytophthora*, *Rhizoctonia* and *Fusarium*) as well as *Botrytis* grey mould and *Didymella* (*Mycosphaerella*) gummy stem blight on cucumber. These *C. rosea* based products can be used as a soil application or as a foliar spray.

The recommended intervals (days) between LALSTOP G46 WG or PRESTOP WP and other products.

Fungicides			
Active ingredient	Recommended interval (days)	Active ingredient	Recommended interval (days)
Azoxystrobin	2	Cyprodinil + Fludioxonil	0
Azoxystrobin + Difeconazole	0	Dithianon	1
Boscalid + Kresoxim-methyl	0	Difenoconazole	7
Boscalid + Pyraclostrobin	0	Fenhexamid	0
Bupirimate	7	Fludioxonil	0
Captan	7	Fluopicolide + Propamocarb	0
Copper hydroxide	0	Fluopyram	0 (1)*
COS-OGA	0	Fluopyram + Tebuconazole	7
Cyazofamid	1	Fluopyram + Trifloxystrobin	0 (1)*
Cyflufenamid	0	Fluxapyroxad	0
Cymoxanil	0	Folpet	7

Fungicides			
Active ingredient	Recommended interval (days)	Active ingredient	Recommended interval (days)
Fosetyl-Al + Fluopicolide	0	Penconazole	0
Fosetyl-Al + Folpet	7	Potassium phosphates	0
Fosetyl + Propamocarp	0	Propamocarb-hydrochloride	0
Hymexazol	7	Pyrimethanil	0
Imazalil	2	Pyriofenone	3
Kresoxim-methyl	0	Spiroxamine + Difenconazole	7
Mefentrifluconazole	0	Sulphur (WG, 80 %)	7
Metalaxyl-M	2	Sulphur (micronized, 80 %)	0
Metconazole	7	Tolclofos-methyl	2
Orange oil	1	Trifloxystrobin	0
Oxathiapiprolin + Metalaxyl-M (mefenoxam)	0		

(1)* An interval of 1 day is required when LALSTOP G46 WG or PRESTOP WP and fluopyram are applied in the same part of the plant. When root system is treated with fluopyram, LALSTOP G46 WG or PRESTOP WP can be sprayed in the foliage during the same day.

Ozone water

LALSTOP G46 WG and PRESTOP WP are compatible with ozone water (3 ppm)
(higher concentrations have not yet been tested)

Insecticides			
Active ingredient	Recommended interval (days)	Active ingredient	Recommended interval (days)
Azadirachtin (Margosa extract)	0	Pirimicarb	0
Buprofezin	0	Pyrethrins	0
Cyantraniliprole	0	Rape seed oil	0
Cypermethrin	2	Spinosad	0
Deltamethrin	0	Tebufenozide	0

Herbicides			
Active ingredient	Recommended interval (days)	Active ingredient	Recommended interval (days)
Aclonifen	0	MCPB	4
Bentazone	0	Pendimethalin	0
Bentazone + Imazamox	0	Propyzamide	0
Clomazone	0	Prosulfocarb	2
Ethofumesate	1	Pyridate	0
Glyphosate	7		

Adjuvants			
Product	Recommended interval (days)	Product	Recommended interval (days)
Addit	0	Heliosol	0
Break Thru S240	0	Helioterpen® Film	0
Bluesil SP 3307	0	Liberate	1
Designer	0	Mogiol	0

Adjuvants			
Product	Recommended interval (days)	Product	Recommended interval (days)
Neo-Wett (Imbentin T 080)	0	Silwet Gold	0
PureGreen Spray Oil 13E	0	Sticman	0
Qualibra	0	Wetcit	0

Fertilizers and plant biostimulants		Growth regulators	
Product	Recommended interval (days)	Product	Recommended interval (days)
LALSTIM OSMO	0	Pirouette (paclobutrazol)	0

Microbiological products	
Active ingredient	Recommendation
<i>Bacillus subtilis</i>	Compatible
<i>Bacillus thuringiensis</i>	Compatible
<i>Beauveria bassiana</i>	Compatible
<i>Coniothyrium minitans</i>	Compatible
<i>Lecanicillium muscarium</i>	<i>Clonostachys</i> fungus might have a negative effect on the growth of <i>Lecanicillium</i> on the leaf surface.
<i>Metarhizium brunneum</i> F52	Compatible
<i>Pseudomonas chlororaphis</i> strain AFS009	Compatible
<i>Streptomyces</i> K61	Compatible
<i>Trichoderma asperellum</i>	Compatible
<i>Trichoderma harzianum</i>	Compatible

Microbiological products	
Active ingredient	Recommendation
Other microbiological products applied in the growth substrate or to foliage.	In order to avoid unnecessary competition between different microbes, it is recommended to use the microbial products in rotation, for example at intervals of 7 days.

Beneficial insects and nematodes
LALSTOP G46 WG and PRESTOP WP are compatible with beneficials and nematodes

Additional information about compatibilities:

- The recommended interval between applications of LALSTOP G46 WG or PRESTOP WP and active ingredient or product not mentioned in the list is 7 days
- LALSTOP G46 WG or PRESTOP WP can be applied in mixtures with compatible products. However, the mixture should be applied immediately after preparation.
- Do not tank mix LALSTOP G46 WG or PRESTOP WP with concentrated solutions of pesticides or fertilizers.

Use plant protection products safely. Always read the label and product information before use.