

2023 CROP SEASON

VERDESIAN INOCULANT
COMPATIBILITY WITH
SEED TREATMENTS

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Verdesian Inoculant Compatibility with Seed Treatments

SOYBEAN INOCULANTS

Verdesian Product	Type	Crop	Compatible Product	Application Method	Recommended Time On Seed
Preside CL	Liquid	Soybean	Acceleron® FST/IST	Simultaneous	120 days
Preside CL	Liquid	Soybean	Acceleron® FST/IST	Simultaneous- Commercially Applied	220 days**
Preside CL	Liquid	Soybean	Cruiser Maxx® Vibrance® Beans	Simultaneous	120 days
Preside CL	Liquid	Soybean	Cruiser Maxx® Vibrance® Beans	Simultaneous- Commercially Applied	220 days**
Preside CL	Liquid	Soybean	Evergol® Energy	Simultaneous	120 days
Preside CL	Liquid	Soybean	Evergol® Energy	Simultaneous- Commercially Applied	220 days**
Preside CL	Liquid	Soybean	iLeVO®	Simultaneous	120 days
Preside CL	Liquid	Soybean	iLeVO®	Simultaneous- Commercially Applied	220 days**
Preside CL	Liquid	Soybean	Integral®	Simultaneous	120 days
Preside CL	Liquid	Soybean	Integral®	Simultaneous- Commercially Applied	220 days**
Preside CL	Liquid	Soybean	Vayantis®	Simultaneous	120 days
Preside CL	Liquid	Soybean	Vayantis®	Simultaneous- Commercially Applied	220 days**
Preside CL	Liquid	Soybean	Vayantis® + Fortenza®	Simultaneous	120 days
Preside CL	Liquid	Soybean	Vayantis® + Fortenza®	Simultaneous- Commercially Applied	200 days**
Preside CL	Liquid	Soybean	Bare Planting Window		220 days
Preside Ultra	Liquid	Soybean	Acceleron FST/IST®	Simultaneous	110 days
Preside Ultra	Liquid	Soybean	Cruiser Maxx® Vibrance® Beans	Simultaneous	120 days
Preside Ultra	Liquid	Soybean	Evergol® Energy	Simultaneous	120 days
Preside Ultra	Liquid	Soybean	Fortenza®	Simultaneous	120 days
Preside Ultra	Liquid	Soybean	iLeVO®	Simultaneous	60 days
Preside Ultra	Liquid	Soybean	Integral®	Simultaneous	90 days
Preside Ultra	Liquid	Soybean	Lumiderm®	Simultaneous	120 days
Preside Ultra	Liquid	Soybean	Lumisena™	Simultaneous	120 days
Preside Ultra	Liquid	Soybean	Bare Planting Window		120 days
N-Charge	Peat	Soybean	Cruiser Maxx® Vibrance® Beans	Sequential, Simultaneous	48 hours
N-Charge	Peat	Soybean	Vibrance® Maxx	Sequential, Simultaneous, Tank Mix	48 hours
N-Charge	Peat	Soybean	Bare Planting Window		48 hours

**Seed Companies commercially applying inoculants may get planting windows that extend beyond the standard 120 day planting window for Preside CL.

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PULSE INOCULANTS

Verdesian Product	Type	Crop	Compatible Product	Application Method	Recommended Time On Seed
N-Charge	Peat	Pulse & Chickpea	Cruiser® 5FS + Vibrance® Maxx	Sequential, Simultaneous	48 hours
N-Charge	Peat	Pulse & Chickpea	Intego® Solo®	Sequential, Simultaneous	48 hours
N-Charge	Peat	Pulse & Chickpea	Lumivia™ CPL	Sequential, Simultaneous	48 hours
N-Charge	Peat	Pulse & Chickpea	Rancona Trio®	Sequential, Simultaneous	24 hours
N-Charge	Peat	Pulse & Chickpea	Trilex Evergol®	Sequential, Simultaneous	48 hours
N-Charge	Peat	Pulse & Chickpea	Trilex Evergol®	Tank Mix	24 hours
N-Charge	Peat	Pulse & Chickpea	Trilex Evergol®+ Stress Shield	Sequential, Simultaneous	48 hours
N-Charge	Peat	Pulse & Chickpea	Vibrance® Maxx	Sequential, Simultaneous, Tank Mix	48 hours
N-Charge	Peat	Pulse & Chickpea	Zeltera Pulse®	Simultaneous	48 hours
N-Charge	Peat	Pulse & Chickpea	Bare Seed Planting Window		48 hours
LIFT-Kit	Liquid	Pulse & Chickpea	Cruiser® 5FS + Vibrance® Maxx	Sequential, Simultaneous	48 hours
LIFT-Kit	Liquid	Pulse & Chickpea	Vibrance® Maxx	Sequential, Simultaneous	48 hrs
LIFT-Kit	Liquid	Pulse & Chickpea	Zeltera Pulse®	Simultaneous	8 hrs
LIFT-Kit	Liquid	Pulse & Chickpea	Alpine G22	Tank Mix	8 hrs
LIFT-Kit	Liquid	Pulse & Chickpea	Alpine Microbolt B, Mn, Zn	Tank Mix	8 hrs
LIFT-Kit	Liquid	Pulse & Chickpea	Bare Seed Planting Window		48 hrs
Primo	Liquid	Pulse & Chickpea	Cruiser® 5FS + Vibrance® Maxx	Sequential, Simultaneous	48 hours
Primo	Liquid	Pulse & Chickpea	Vibrance® Maxx	Sequential, Simultaneous	48 hrs
Primo	Liquid	Pulse & Chickpea	Zeltera Pulse®	Simultaneous	8 hrs
Primo	Liquid	Pulse & Chickpea	Alpine G22	Tank Mix	8 hrs
Primo	Liquid	Pulse & Chickpea	Alpine Microbolt B, Mn, Zn	Tank Mix	8 hrs
Primo	Liquid	Pulse & Chickpea	Bare Seed Planting Window		48 hrs
N-Take	Liquid	Pulse & Chickpea	Cruiser® 5FS + Vibrance® Maxx	Sequential, Simultaneous	48 hours
N-Take	Liquid	Pulse & Chickpea	Vibrance® Maxx	Sequential, Simultaneous	48 hrs
N-Take	Liquid	Pulse & Chickpea	Zeltera Pulse®	Simultaneous	8 hrs
N-Take	Liquid	Pulse & Chickpea	Alpine G22	Tank Mix	8 hrs
N-Take	Liquid	Pulse & Chickpea	Alpine Microbolt B, Mn, Zn	Tank Mix	8 hrs
N-Take	Liquid	Pulse & Chickpea	Bare Seed Planting Window		48 hrs

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CEREAL, CANOLA, CORN BIOLOGICALS

Verdesian Product	Type	Crop	Compatible Product	Application Method	Recommended Time On Seed
Accolade	Liquid	Cereal	Cruiser Maxx® Vibrance®	Sequential, Simultaneous, Tank Mix	220 days
Accolade	Liquid	Cereal	Raxil® ProShield®	Sequential, Simultaneous, Tank Mix	220 days
Accolade	Liquid	Cereal	Raxil® WW	Sequential, Simultaneous	220 days
Accolade	Liquid	Cereal	Rancona® Trio	Simultaneous	Testing In Progress
Accolade	Liquid	Canola	Acceleron ®	Sequential	220 days
Accolade	Liquid	Canola	Buteo®	Sequential	220 days
Accolade	Liquid	Canola	Lumiderm	Sequential	220 days
Accolade	Liquid	Canola	Helix® Vibrance®	Sequential	220 days
Accolade	Liquid	Canola	Prosper® Evergol®	Sequential	220 days
Accolade	Liquid	Corn	Alpine Microbolt Corn	Tank Mix	12 hours

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TERMS USED

Recommended Time On Seed:

It is always the recommendation of Verdesian Life Sciences to plant inoculated seed as soon as possible. These planting windows measure the amount of time (in days or hours) the rhizobium can survive on the seed to a level of 100,000 CFUs/seed (the CFIA on-seed compatibility standard) when the seed treatment and inoculant are applied simultaneously or sequentially.

Sequential:

With dry sequential application, the seed treatment is first applied and allowed to dry. Once the seed treatment has dried, the inoculant is applied. The duration of time needed for the seed treatment to dry after application may vary based upon many factors, including the relative humidity and seed treatment formulation.

Simultaneous or Wet Sequential:

With wet sequential (also called simultaneous) application, the inoculant and seed treatment are applied to the seed from separate tanks at the same time. Unlike tank-mix application, the seed treatment and inoculant must be applied by separate nozzles, first mixing upon reaching the seed.

Tank-Mix:

With a tank-mix application, the inoculant and seed treatment are mixed in a single tank and applied to the seed together as a solution/suspension via the same applicator. When the inoculant is applied as part of a tank-mix, the on-seed planting window is based on the requirement that the mixture is applied to the seed immediately and that only the amount that can be applied to the seed in an hour is premixed.

TIPS FOR TREATED SEED

- The ideal storage temperature for pre-inoculated seed is between 0°C (32°F) and 12°C (54°F).
- Store and handle inoculant properly according to the product label.

NOTES

All seed treatment compatibility testing has been completed in a laboratory setting. Performance results in the field may vary depending on environmental and field conditions.

For all other seed treatment compatibility information or questions, please reach out to your local Verdesian Account Manager.



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