

JumpStart® XL

CANOLA

NEW LIQUID FORMULATION. SAME PROVEN TECHNOLOGY.

For a canola crop you can be proud of, order your seed pre-treated with JumpStart® XL liquid inoculant. JumpStart XL is shown to promote increased root growth, and leaf area, early season vigour and higher yield potential.

JumpStart XL inoculant delivers a fast start and strong finish now in a liquid formulation.

Order your canola seed pre-treated with JumpStart XL!

BENEFITS OF JUMPSTART® XL ON CANOLA

Increased availability of soil and fertilizer phosphate

Enhanced phosphate availability results in increased root growth and increased leaf surface area. As a result, canola inoculated with JumpStart XL may flower earlier, have an increased number of pods and pod-bearing branches, and have earlier, more uniform maturity. Ultimately, you can help your canola crop reach its full potential.

More even supply of phosphate can help improve crop uniformity

A healthy uniform canola crop has more potential to withstand weed, insect and disease pressures. Timing of pesticide applications, swathing and crop dry-down are easier to assess with a uniformly developed canola crop.

Earlier access to more phosphate with sensitive seed

Top-yielding canola varieties require significant amounts of nitrogen and phosphate fertilizer to achieve their yield potential. Inoculating canola with JumpStart XL will help to address phosphate needs with sensitive seed.

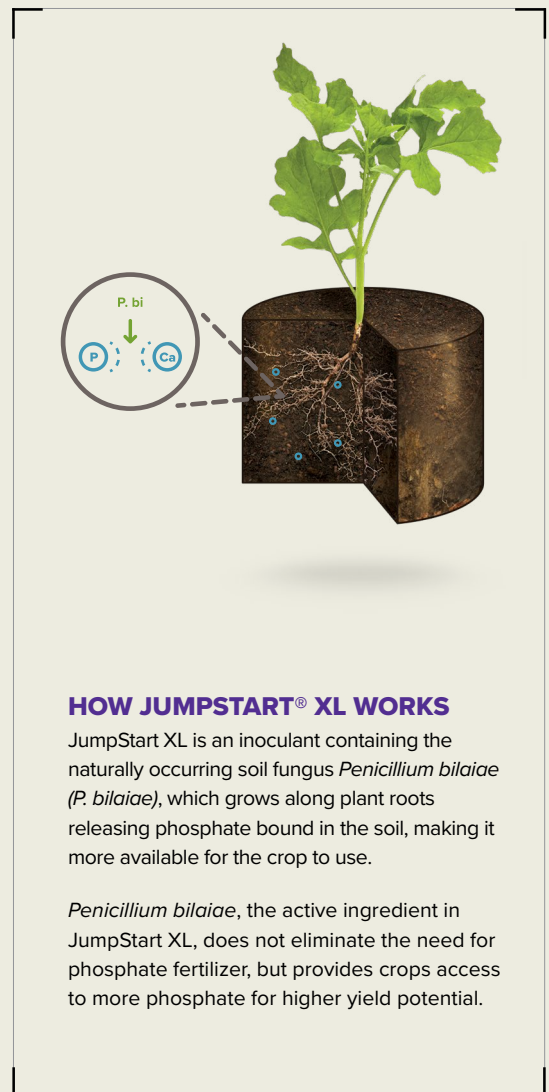
PHOSPHATE FERTILIZER USE EFFICIENCY

Factors limiting phosphate availability in canola:

- Up to 90% of applied phosphate fertilizer goes unused in the year of application as it gets tied (bound) to soil particles and other elements, making it unavailable to the crop. Some of this is used over subsequent years, but at least 25% never becomes available.¹
- Phosphate is relatively immobile in the soil. This means phosphate must be placed within or near the seed row to be available to emerging seedlings.
- Canola is sensitive to seed-placed fertilizer. With good to excellent soil moisture, no more than 20 to 25 pounds of P₂O₅ per acre should be seed placed.²

¹ Source: Better Crops Vol. 86 (2002, No. 4), International Plant Nutrition Institute (formerly: Potash and Phosphate Institute).

² Source: Guidelines for Safe Rates of Fertilizer Placed with Seed, Saskatchewan Ministry of Agriculture.



HOW JUMPSTART® XL WORKS

JumpStart XL is an inoculant containing the naturally occurring soil fungus *Penicillium bilaiae* (*P. bilaiae*), which grows along plant roots releasing phosphate bound in the soil, making it more available for the crop to use.

Penicillium bilaiae, the active ingredient in JumpStart XL, does not eliminate the need for phosphate fertilizer, but provides crops access to more phosphate for higher yield potential.

STORAGE

The active ingredient in JumpStart XL is a living organism and requires specific storage conditions to ensure viability and product performance.

Container of JumpStart XL inoculant

The following storage recommendations apply to both opened/partial and unused containers:

- Use before expiration date.
- The expiration date is applicable when stored in cool, dry conditions (4-20°C).
- To ensure maximum shelf-life, limit exposure to temperatures above 20°C and avoid fluctuations of temperature. Use within 14 days if stored at warmer temperatures (21-40°C).
- Containers should always be closed using the original cover after opening to avoid contamination.

Seed coated with JumpStart XL inoculant

JumpStart XL liquid inoculant is not claimed to be effective beyond 24 months after application to seed, and such seed must be stored in cool, dry conditions.

- JumpStart XL can be used with most seed-applied treatments but the planting window will be reduced. For up-to-date compatibility and bare seed stability information, please contact 1-877-775-8787.

New liquid formulation of JumpStart® XL helps provide the following potential benefits over existing JumpStart wettable powder:

- Improved ease of use
- Reduced application rate, allowing more space on seed
- Increased shelf life on seed

JUMPSTART XL CENTRALLY TREATED HYBRIDS ARE AVAILABLE FROM THE FOLLOWING SEED COMPANIES IN 2019:

InVigor®

InVigor L233P	InVigor L135C	InVigor L252
InVigor L234PC	InVigor L241C	InVigor Health L157H
InVigor L255PC	InVigor L230	InVigor Health L258HPC

PIONEER®

45H31	45H37	45CS40
45H33	45M38	46H75
45M35	45CM39	

VICTORY® HYBRID CANOLA

V14-1	V12-1	V33-1CL
V24-1	V12-3	



GROWER CHOICE:		SEAMLESS:
74-44 BL	75-45 RR	DKTF 92 SC
75-65 RR	75-42 CR	DKTF 94 CR
		DKLL 81 BL

Proven® SEED

PV 530 G
PV 533 G
PV 540 G
PV 585 GC
PV 200 CL

Nutrien Ag Solutions®

PV 560 GM
PV 581 GC
PV 591 GCS
HYHEAR 3
Red River 1861
Evolve RR

BREVANT® seeds

NEXERA:		D-SERIES:
1022 RR	2024 CL	D3156M
1024 RR	2026 CL	D3155C
1026 RR	2028 CL	D3153
1028 RR		

JumpStart® XL liquid inoculant is available on all listed canola brands. **Contact your Acceleron BioAg™ rep or retail for more information on ordering your canola seed pre-treated with JumpStart XL.**

If you need more information or have questions about JumpStart® XL, contact Acceleron BioAg™ toll-free at **1-800-667-4944** or visit useJumpStartXL.ca.

