POWERFUL PROTECTION FROM THE START.

BUTEO™ start

THE PRODUCT

New BUTEO™ start is the powerful protection your canola seed needs against early flea beetle pressure. The effective and immediate protection from BUTEO start results in outstanding plant resilience in the crucial early stages. Start your season strong with BUTEO start.

FEATURES AND BENEFITS

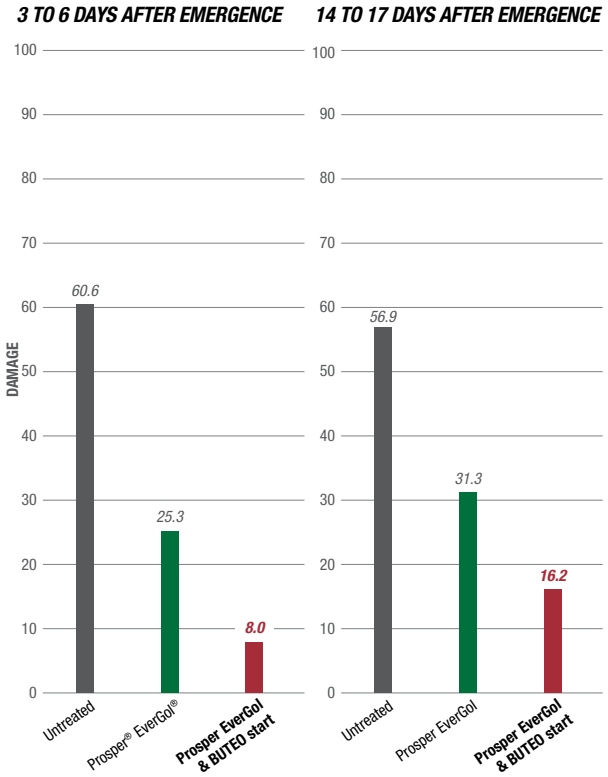
- Powerful Group 4D insecticide (flupyradifurone)
- Offers superior protection against striped and crucifer flea beetles
- Rapid uptake and systemic translocation from cotyledon to leaf margins allow for a strong plant right off the start, even in dry conditions
- Stronger plant development leads to quicker canopy, more uniform flowering and better maturity
- Works great in combination with leading base canola seed treatments

MODE OF ACTION

Group 4D insecticide (flupyradifurone)

FLEA BEETLE DAMAGE COMPARISON TRIALS

BUTEO start was tested in research trials in areas with heavy flea beetle pressure and demonstrated superior performance.



Source: Bayer Field Solutions Trials (2019).

CROP, PEST AND APPLICATION TIMING

CROP	PESTS CONTROLLED		APPLICATION
Canola	**STRIPED FLEA BEETLES** • Striped – black with two wavy yellow stripes along the back • 2 to 3 mm / 1⁄10 in. long • Most prevalent in parkland areas of the prairies	**CRUCIFER FLEA BEETLES** • Bluish-black • 2 to 3 mm / 1/10 in. long • Most prevalent in grassland areas of the prairies	Commercially applied

Bayer SeedGrowth™

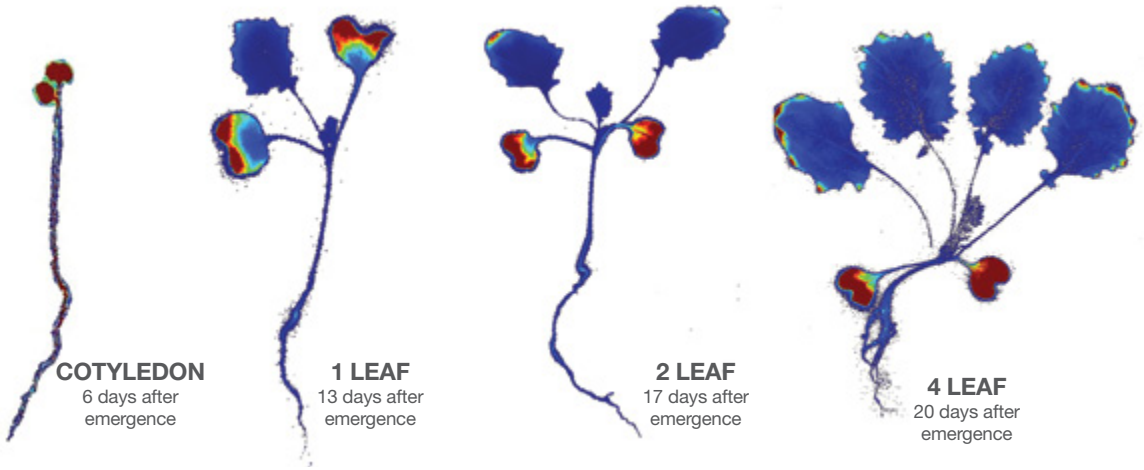
FLEA BEETLE DAMAGE

Flea beetles can do a lot of harm in a short period of time, and seedlings are especially vulnerable. This pest can locate and defoliate seedlings shortly after emergence, which makes them very difficult to control. The results of an infestation are poor plant stands, delayed maturity, reduced yields and in severe cases, re-seeding may be required.

In Western Canada, yield losses of about 10% are common. This can cost growers an estimated $300 million in damages every year.*

*Source: Knodel, J.J. and Olson, D.L., 2002. Crucifer-flea beetle: biology and integrated pest management in canola. North Dakota State Univ. Coop. Ext. Serv. Publ. E1234. North Dakota State University, Fargo, ND.

SYSTEMIC TRANSLOCATION



Source: Bayer systemicity studies: Uptake and translocation of [14C]-flupyradifurone after seed treatment in oilseed rape. Red indicates higher concentration of active.

BUTEO™ start seed treatment protects canola from cotyledon to the three leaf stage – the time when seedlings are most susceptible to flea beetle feeding damage. The power of BUTEO start's Group 4D insecticide, flupyradifurone, is its rapid uptake and ability to translocate into the cotyledon immediately. From there, it moves into the new leaves with the highest level of concentration travelling to the leaf margins. This early distribution thoroughly protects the plant, thereby allowing it to grow and develop a stronger plant stand even in dry conditions and in areas of high flea beetle pressure.

BUTEO START ADVANTAGE

Recent trials demonstrated the superior flea beetle protection that BUTEO start provides. These plots were seeded the same day. Canola treated with BUTEO start, at the flowering stage, showed a bigger and fuller canopy. While the other plot treatments were further behind with fewer plant stands.

Source: Bayer Field Solutions Trials (photos taken July 8, 2019, Rosthern, SK). Treated seeds were seeded the same day.

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