



Novel endophyte

Provides tolerance to;

- Black beetle
- Argentine stem weevil
- Root aphid
- Pasture mealy bug

Animal Safety;

- No Ryegrass Staggers
- No Loss of Performance

Ratings

Argentine Stem Weevil



Black Beetle



Root Aphid



Pasture Mealy Bug



Edge is a novel endophyte discovered in ryegrass and inoculated into several ryegrass cultivars. It has been tested and proven by independent scientists to provide tolerance to black beetle and Argentine stem weevil (ASW), as well as root aphid and pasture mealy bug. This means that ryegrass cultivars with Edge have good insect tolerance and persistence throughout the country, including the northern North Island. Edge has also been tested by independent scientists to confirm that it does not cause ryegrass staggers and does not affect animal performance.

Edge is available in [24Seven](#) perennial ryegrass and [Jeta](#) long-rotation ryegrass.

Pest tolerance of Edge and Happe endophytes

INSECT	Happe	Edge	Standard	Without
Argentine stem weevil	■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	none
Black beetle	■ ■ ■	■ ■ ■	■ ■ ■	none
Root Aphid	■ ■ ■ ■	■ ■ ■	■ ■	none
Porina	■ ■ ■ ■	none	■	none
Pasture mealy bug	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	none

Scale of tolerance; ■ to ■ ■ ■ ■ ■