

Increased Salt Tolerance

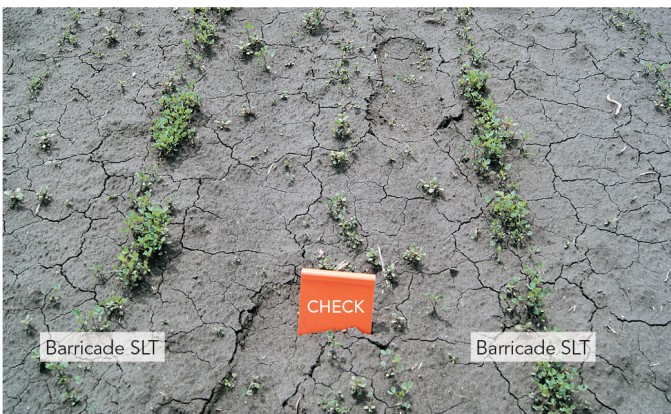
Barricade SLT is an alfalfa variety well suited to areas with increased salinity pressures. Selected from parents that endured repeated irrigation under a 100mM NaCl solution in the greenhouse, and endured field soils with >8 EC, Barricade SLT has demonstrated improved germination under saline conditions as well as improved forage production. This increased saline tolerance, when combined with high yield potential and an excellent disease and pest resistance package, gives Barricade SLT excellent overall performance and hardiness.

Field Demonstration at Holland, Manitoba



The demonstration was conducted in a field with very high levels of soluble salts. The field was planted to fall rye which did not establish in the area used for the alfalfa demonstration. The alfalfa was seeded at 25lbs/acre to aid in establishment.

Increased Germination Tolerance



Barricade SLT showed dramatically improved seedling vigor and germination over other check varieties.

Warning: This demonstration was conducted to test Barricade SLT under extreme conditions. Barricade SLT's improved salt tolerance will help improve germination, plant stand and forage production in marginally saline fields, but planting alfalfa stands in extreme saline conditions is not recommended.

Key Characteristics

- Improved salt tolerance
- Excellent forage yield potential
- Broad disease and pest resistance

Agronomic Traits	
Trait	Rating
Bacterial Wilt	HR
Verticillium Wilt	HR
Fusarium Wilt	HR
Phytophthora Root Rot	HR
Anthracnose Race 1	HR
Aphanomyces Root Rot (Race 1)	HR
Pea Aphid	HR
Spotted Alfalfa Aphid	MR

Winter Survival and Adaptation	
Fall Dormancy	4
Winter Survival	2
Stand Persistence	Excellent
DRI	30