



1st Select 1045

High Yields, Broad Disease Protection
Excellent Persistence

1S-1045:

Quick Look:

- ✓ Selected for Increased Persistence
- ✓ Resistance and/or High Resistance to 10 Major pest including 5 diseases, 2 Insects, and 3 Nematodes
- ✓ Dark green color medium fine stems
- ✓ Excellent Quality
- ✓ Excellent Winter Survival
- ✓ Fall Dormancy rating: 4.2
- ✓ WSI=2.6
(Winter Survival Index)

Adaptation

Parent stock for **1S-1045** was specially selected to meet the demands of alfalfa growers in the areas where a 4-fall dormancy is suitable. It was selected for yield and persistence and is especially well suited to areas where Verticillium wilt, Phytophthora and Nematodes threaten yield production and reduce stand life.

Top Yield Performance

1S-1045 has demonstrated excellent yield ability out yielding varieties like Magnum IV, GH 755, Rainer, DK 133, Pioneer 5454, WL 325HQ, and Vernal in forage yield trials.

Quality

1S-1045 produces dark green foliage that makes it ideal for hay. Its persistence is excellent under both normal and aggressive harvest schedules. Because **1S-1045** offers producer's broad-spectrum pest resistance and excellent persistence, this high yielding, variety will keep producing quality hay for many years.

Broad Spectrum Pest Resistance

1S-1045 resists Phytophthora and Verticillium wilt. These two diseases can significantly reduce production and stand life. In addition, **1S-1045** has excellent resistance to Bacterial wilt, Fusarium wilt, Anthracnose, Spotted Alfalfa Aphid, Blue Alfalfa Aphid, Stem Nematode, Northern Root Knot Nematode, and Columbia Root Knot Nematode.

	BW	VW	FW	PRR	SAA	PA	BAA	SN	NRKN	CRKN
1st SELECT 1045	HR	HR	HR	HR	MR	R	R	R	MR	MR
VERNEMA	*	MR	*	LR	*	*	*	HR	*	*
VERNAL	R	*	MR	*	*	*	*	*	MR	*
WRANGLER	R	LR	R	HR	HR	HR	*	*	*	*