



## Improved Forage Perennial Ryegrass

Perennial ryegrass is an excellent cool season forage grass utilized around the world. Newer cold tolerant varieties such as **Voyager**, **Sierra** and **Quartermaster** can now be planted in colder regions of North America with confidence. **Voyager**, **Sierra** and **Quartermaster** are ideal for producing high quality grass hay, lush pastures for grazing and for creating high quality alfalfa/grass hay.

### Voyager Tetraploid Perennial Ryegrass

A medium-late maturing variety with very good rust resistance and zero endophyte! Voyager is a dense tillering, wide-leaf variety that recovers rapidly from intensive grazing. Voyager has proven to be more winter active compared to many perennial ryegrass varieties in New Zealand forage trials.

### Sierra Diploid Perennial Ryegrass

An early maturing new generation diploid cultivar with excellent drought and cold tolerance! Sierra has a medium-wide leaf and dense crown which is excellent for grazing purposes. Sierra has strong seedling vigor and is highly palatable.

### Quartermaster Tetraploid Hybrid Ryegrass

A medium maturity, medium-broad leaf variety with resistance to stem rust! Quartermaster establishes very quickly and has excellent seedling vigor. Quartermaster is also well adapted for hay and pasture use across the United States and coastal British Columbia.

#### Penn State University Forage Trials 2004-2007

Rock Springs, PA – Planting Date: April 20, 2004

VARIETY	TYPE	2005	2006	2007	Total T/A
Sierra	Diploid Perennial	3.36	4.31	1.72	9.34
Grand Daddy	Tetraploid Perennial	3.46	3.42	1.80	8.73
Remington	Tetraploid Perennial	3.21	3.84	1.18	8.36
Voyager	Tetraploid Perennial	3.20	3.05	1.84	8.12
AberAvon	Diploid Perennial	2.62	3.28	1.68	7.64
Bestfor Plus	Tetraploid Intermediate	3.64	No data due to stand loss		
	LSD (p=.05)	0.53	0.54	0.56	

#### Penn State University Forage Trials 2002-2005

Rock Springs, PA – Planting Date: April 21, 2002

VARIETY	TYPE	2003	2004	2005	Total T/A
Quartermaster	Tetraploid Hybrid	4.33	3.65	2.01	10.21
Tonga	Tetraploid Perennial	3.43	3.73	2.18	9.39
Grand Daddy	Tetraploid Perennial	3.94	3.92	1.53	9.38
AberAvon	Diploid Perennial	3.83	2.95	No data due to Stand Loss	
Bestfor	Tetraploid Intermediate	3.51	3.66	No data due to stand loss	
	LSD (p=.05)	0.49	0.62	0.66	

#### University of Illinois Forage Trials 2007

Urbana, IL – Planting Date: April 11, 2006

Quartermaster was one of two ryegrass varieties to survive winter. Three other perennial ryegrass varieties (two commercially available & one experimental) did not survive due to freezing temperatures.