

Perun

Festulolium braunii



Perun sets the standards when it comes to high yielding fast establishing festulolium.

Perun is a Tetraploid Festulolium derived from crosses between Italian ryegrass and Meadow fescue. From its ryegrass parent it gets fast establishment, forage quality and palatability. From its meadow fescue parent it gets a deeper root system and extended performance in summer heat and drought.

Forage Yield

In forage yield trials, Perun typically has the highest first year DM yield and then remains in the highest group in the following years. Perun will produce more forage than perennial ryegrass, while slightly lower in energy content. When looking at lbs of milk/acre, Perun is the winner.

Forage Quality

The palatability of Perun is high.

Variety	DM Yield	Palatabilty
Perun Festulolium	8.2	4.6
Spring Green Festulolium	6.5	4.3
Potomac Orchardgrass	6.4	2.5
Elgon Perennial Ryegrass	5.5	4.2
Festival Tall Fescue	7.1	2.9

Palatability: Ave of 3 ratings, during 2001; 1=poor 5=best

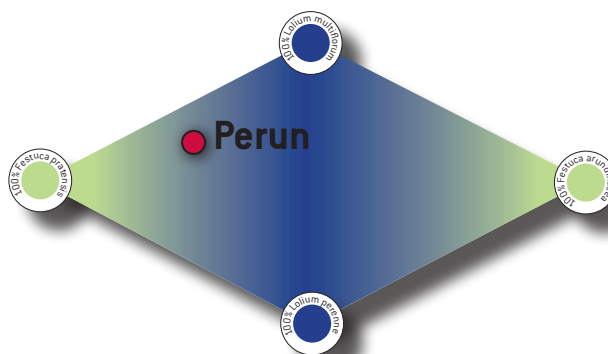
Michigan State University Forage Yield/Palatability, Seeded 8/12/2000

Adaption

Perun has a leafy upright growth pattern, producing forage that is very palatable and digestible. Perun is an excellent replacement or compliment for ryegrass, and or meadow fescue. Consider Perun when you need a fast-starting high forage-quality grass for silage or pasture. It can be mixed with legumes or used as a pure stand. It can be used as a nurse crop when establishing alfalfa; or interseeded into weak winter damaged stands.

Festuloliums are best adapted to soils with high fertility and moisture. Perun is very responsive to nitrogen.

Festulolium Diamond™



Ryegrass Type
(Italian)

PLOIDY
Tetraploid (4N)

GROWTH HABIT
Perennial Bunch

ESTAB. RATE
7-10 days

NITROGEN REQ.
Very High >120 lbs/ac

ANEROBIC SOIL TOL.
Good

pH RANGE
5-8

MINIMUM RAINFALL
>30 inches

DRY MATTER YIELD
3-4 tons

REGROWTH
Excellent

PRIMARY UTILIZATION
Grazing & Silage

VEG REPRO TIL RATE
High

ENDOPHYTE
No

SEEDING RATE
25-35 lbs/ac pure stand
3-20 lbs/ac mixed

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University of Kentucky Yield 1 (tons/acre)

Lexington location sown 9/7/2010

* Not significantly different from highest yield

Ryegrass type festulolium	10/14/2010 Seedling vigor	2011 Total	2012 7-May	21-Jun	22-Oct	Total	2 year Total
Perun	3	5.13	1.14	0.5	0.14	1.78	6.91*
Barfest	2.4	4.02	1.63	0.36	0.33	2.33	6.35
Spring Green	2.8	4.57	1.19	0.32	0.18	1.69	6.26
Gain	2.8	4.4	0.79	0.33	0.07	1.18	5.58
Duo	4.6	3.8	1.31	0.36	0.21	1.88	5.48
Agula	2.1	4.18	0.76	0.27	0.1	1.12	5.30
Sweet Tart	3.4	3.73	0.86	0.27	0.32	1.45	5.19
Bonus	2.3	3.69	0.78	0.38	0.08	1.24	5.07
Mean	2.4	4.12	1.17	0.36	0.22	1.75	5.86
CV%	22.7	9.29	25.1	21.9	33.99	20.08	9.36
LSD, 0.05	0.8	0.56	0.42	0.11	0.11	0.5	0.8

University of Kentucky Yield 2 (tons/acre)

Lexington location sown 9/7/2010

* Not significantly different from highest yield

Ryegrass type festulolium	% stand 10/19/2012	4/10-30/12	5/24/2012	10/22/2012	2012 Total
Perun	97	1.95	0.91	0.61	3.47*
Spring Green	100	2.07	0.72	0.57	3.36*
Duo	98	1.78	0.85	0.27	2.9
Barfest	100	1.66	0.65	0.54	2.85
Gain	56	1.7	0.74	0.16	2.6
Bonus	10	1.76	0.7	0.01	2.48
Mean	85	1.59	0.68	0.45	2.72
CV%	6	17.5	12.33	18.73	11.73
LSD, 0.05	8	0.4	0.12	0.12	0.45

Due to earlier maturity Duo, Gain, and Bonus harvested 4/10 rest harvested 4/30

Ohio Forage Performance

South Charleston location sown 4-14-2005

Total tons DM/acre						Relative Yield	
Variety	Species	2008	2007	2006	2005	2005-06	% Mean
Perun	Festulolium	2.95	2.83	8.67	1.84	16.47	138
Aubisque	Perennial Ryegrass	2.43	2.32	6.26	1.01	11.98	101
Portia	Perennial Ryegrass	2.4	1.75	4.87	1	9.87	83
CSBF 124	Festulolium	0.02	0	3.7	1.26	4.6	39
Mean		2.39	2	6.3	1.23	11.92	
LSD 0.05		0.47	0.72	0.85	0.36	1.52	
CV%		13	24	9	20	9	