

**2000 Yields**  
**Forage Cultivar Plots**  
**EORDC, Caldwell, Ohio**  
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**Procedure**

A predominately fescue sod was killed with glyphosate in May 1998. A smother crop of a summer annual forage was planted. Fescue, perennial ryegrass and orchardgrass were broadcast and cultipacked into a prepared seed bed. The seeding was done on September 4, 1998.

Each cultivar is replicated four times utilizing randomized complete block design. Soil test values pH = 7.4, P = 10 ppm, K = 79 ppm, CEC = 18. Fertilized in two applications totaling 125 lb. N/ac, 50 lb P/ac, and 265 lb K/ac. Plots are eight feet wide and twenty feet in length.

Sheep were used to graze the plots after the July harvest to determine grazing preferences. Stockpiling was done by applying 50 units of nitrogen per acre in the form of Ammonium Nitrate on August 2nd after clipping.

**Results**

Variety	13-July	Stockpile	2000 Total
	-----Tons Dry Matter/Acre-----		
<sup>a</sup> F'estorina	2.05	1.66	3.71
<sup>a</sup> Enforcer	1.87	1.60	3.47
<sup>b</sup> Stargrazer	1.83	1.60	3.43
<sup>a</sup> Feugo	1.77	1.63	3.40
<sup>b</sup> Haymaker	1.84	1.30	3.14
<sup>c</sup> KY 31	1.66	1.45	3.11
<sup>b</sup> Benchmark	1.67	1.35	3.02
<sup>a</sup> Fawn	1.31	1.14	2.45
<sup>d</sup> BG 34	1.00	0.61	1.61
Mean	1.67	1.37	3.04
LSD 0.05	0.39	0.29	0.38
CV%	16.04	14.52	8.47

<sup>a</sup>Endophyte Free Fescue

<sup>b</sup>Orchardgrass

<sup>c</sup>Endophyte Infected Fescue

<sup>d</sup>Perennial Ryegrass

**Sheep Grazing Preferences**

Sheep grazed the plots in this order: First, all Orchardgrass cultivars; Benchmark, Haymaker. and Stargrazer, with no measurable difference between them. Everything else was grazed after the orchardgrasses were done. There was no measurable difference *between* preference for the endophyte infected or endophyte free fescues, or the perennial ryegrass.