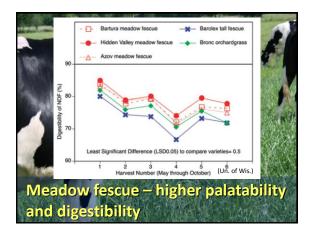


Meadow Fescue Quality

NDF digestiblity at each cut of five cultivars (means of two residual sward heights, two locations and two years)

Cultivar –	Cutting			
Cultival	1	2	3	
	- 9	6 of NDF -		
Azov Meadow Fescue	65.3	66.2	65.9	
Bartura Meadow Fescue	65.7	66.0	68.6	
Hidden Valley Meadow Fescue	68.4	67.7	70.0	
Barolex Tall Fescue	61.4	59.0	64.2	
Bronc Orchardgrass	59.8	60.4	61.3	
LSD (0.05)	1.2	0.8	1.0	
Source: Brink, Casler and Martin.	2010. Agror	10my J. 102	: 667-674	



Digestible NDF

Each unit of NDFd = 0.5 lbs milk/cow/day At \$17/CWT = \$1240/Cow/Year

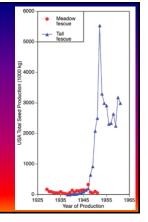
Can meadow fescue consistently provide a higher digestible NDF compared to other grasses in Vermont?

	t of Addec Digestion ased on + 1	n in 1 Yr (ș	517/cwt)	
n etilita a		Increase	in NDF-D	
Milking Cows		3		
100	\$3,100	\$9,307	\$15,512	\$31,025
250	\$7,750	\$23,267	\$38,780	\$77,562
500	\$15,550	\$46,535	\$77,560	\$155,125
Kung, 2008				

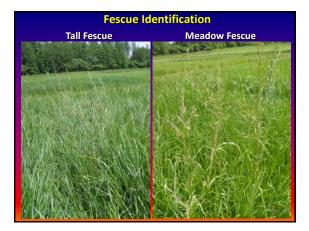


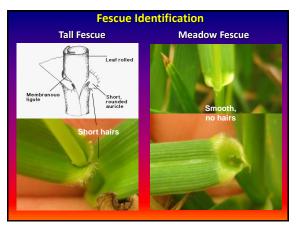
Because of greater yield and higher resistance to leaf diseases, tall fescue become very popular after it's release in the early 1940's

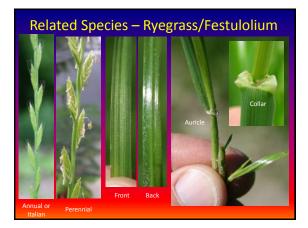
Meadow fescue basically went into obscurity.













Location	Cutting	Species	Cultivar	<u>NDF</u> % of di		NDFd % of N	_
S. Burlington	1	Meadow Fescue	Azof	61.6	b	47.9	а
		Meadow Fescue	Hidden Valley	58.5	с	49.2	а
		Tall Fescue	Bronson	63.1	а	46.1	b
		Tall Fescue	Russler	63.2	а	45.4	b
	2	Meadow Fescue	Azof	60.3	а	46.1	ab
		Meadow Fescue	Hidden Valley	60.4	а	48.6	а
		Tall Fescue	Bronson	60.3	а	43.4	b
		Tall Fescue	Russler	60.6	а	43.5	b
	3	Meadow Fescue	Azof	64.0	b	42.5	а
		Meadow Fescue	Hidden Valley	64.4	ab	44.5	а
		Tall Fescue	Bronson	67.1	а	42.7	а
		Tall Fescue	Russler	66.6	ab	41.5	а
Alburg	2	Meadow Fescue	Azof	65.1	а	43.8	а
		Meadow Fescue	Hidden Valley	63.9	а	44.0	а
		Tall Fescue	Bronson	64.4	а	40.2	b
		Tall Fescue	Russler	65.7	а	41.9	ab

	Prelim	inary Da	ita	
Dry	Matter Yield of (Average of		ses in Vermont rs each)	
	2012	2	2013	3
	S. Burlington	Alburgh	S. Burlington	Alburgh
	lbs. dm/a	lbs. dm/a	lbs. dm/a	lbs. dm/a
Tall Fescue	11033 a	7417 ь	6161 a	6612 a
Meadow Fescue	10028 ь	7776 ь	4747 ь	6264 a
Orchardgrass	9824 ь	8646 a	4387 ь	6410 a
Per. ryegrass	7984 c	6866 c	**	**
Festulolium	10102 ь	7277 bc	**	**

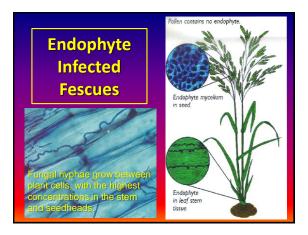
	Dry Matter Yields Preliminary Data			
Dry N	latter Yield of I	Meadow F	escue in Vermo	nt
	2012		2013	6
<u>Culltivar</u>	S. Burlington	Alburgh	S. Burlington	Alburgh
	lbs. dm/a	lbs. dm/a	lbs. dm/a	lbs. dm/a
Azof	10601 a	7361 a	5114 a	5947 a
Hidden Valley	9843 a	7804 a	4896 a	6337 a
Lauri	9789 a	7422 a	4219 a	5656 a
Pradel	9828 a	8274 a	4497 a	7452 a
Preval	10077 a	8019 a	5007 a	5833 a
*means with the s	ame letters are not	significantly o	lifferent	





STAND TO P	Oct. 22, 20 South Burlin			al uk ki an
D.M. yield of stockp	iled grass S. Burlin	-	vermont Albur	
Tall Fescue	3799	a	1889	b
Meadow Fescue	2625	с	1426	с
Orchardgrass	3060	b	2518	а
Perennial Ryegrass	1664	d	1108	с
Festulolium	1490	d	873	d
Festulolium *means with the same lette				d

Meadow Fescue in Vermont



Animal Problems With Tall Fescue



- Unthrifty
- Poor hair coat
- Elevated body temperature
- Higher respiration rate
- Less time grazing
 - More time in shade and water
- Decreased weight gain
- Lower milk production
- "Summer syndrome"

