

Montana

Meadow Brome

Meadow brome grass is one of the most widely adapted forage grasses for pasture and/or mixed hay production in the intermountain regions and northern Great Plains regions of the United States and the intermountain regions and southern prairies of Canada.

History

Montana meadow brome was developed by Montana State University and carried the experimental variety number of 95Mb-2. Montana was selected for a number of traits, including faster germination, improved seedling vigor, vigorous regrowth after clipping and improved seed yield potential. Because of this intensive research process, Montana meadow brome possesses improved forage production capabilities that mean higher profits for the user and high seed yields that will result in reliable seed supplies.

Characteristics

- ▶ Rapid re-growth after harvest
- ▶ Less prone to creeping and becoming sod bound than smooth brome grass
- ▶ Superior winter-hardiness to orchardgrass
- ▶ Very compatible with alfalfa in mixed stands
- ▶ Exceptionally versatile and well suited to grazing and/or haying operations
- ▶ Improved Dryland forage yields
- ▶ Strong Spring vigor and Summer performance
- ▶ Approximately two weeks earlier than smooth brome

Seeding Rate

- ▶ Plant Rate: 12-24 pounds per acre
- ▶ Plant Depth: 1/2 inch
- ▶ Seed Count: Approximately 65,000 per pound

Moisture Requirements

- ▶ 16 inches precipitation or irrigation

2002 Meadow Brome Performance in Montana

Irrigated Trials – Established 2001

Variety	Bozeman			Kalispell		
	Cutting#1 6-25-02 Tons DM/A	Cuttings#2 10-8-02 Tons DM/A	2002 Total Tons DM/A	Cutting#1 6-28-02 Tons DM/A	Cutting#2 10-4-02 Tons DM/A	2002 Total Tons DM/A
Montana	3.54	1.06	4.59	6.51	0.71	7.23
Paddock	3.47	1.14	4.61	4.96	0.68	5.64
Fleet	3.34	0.95	4.29	5.23	0.63	5.86
Regar	3.32	1.33	4.64	4.62	0.66	5.27
MacBeth	3.27	1.31	4.58	4.53	0.63	5.16
LSD @.05%	0.54	0.39	0.81	1.19	0.22	1.25

Summary of Meadow Brome Grass Forage Yields Trials in Montana 1996-2000

Annual Dry Matter Yields (tons/acre)

Location Planted	Bozeman-Irr 1997	Bridger-Irr 1996	Creston-Irr 1996	Moccasin-Dry 1996	Moccasin-Dry 1997
Harvested	1998-2000	1997-98	1997-98	1996-98	1997-2000
Total Harvests	10	4	8	5	6
Montana	7.16	7.59	6.03	3.68	2.73
Fleet MB	-	6.57	5.92	3.44	-
Paddock MB	-	6.58	6.06	3.56	-
Regar MB	6.73	6.53	6.07	3.23	2.35
Latar OG	5.86	-	-	-	2.05
LSD @.05%	2.13	0.81	NS	NS	NS

MB=meadow brome grass; OG=orchardgrass; NS=not significant