



# Arsenal™

## Meadow Brome with Drought Tolerance



**Drought Tolerant**



**Early Spring Growth**



**Winter Hardy**

### Key features

- Excellent persistence
- Rhizomatous
- Rapid regrowth after harvest
- Very good drought tolerance
- Excellent palatability and quality

### Seeding Rate:

Seeding Rate: 20-25 lbs/acre

Arsenal is a meadow brome with drought tolerance and high yields, even at 18" of precipitation. Arsenal exhibits rapid establishment with early spring growth. It possesses high nutritional quality and exceptional winter hardiness for the cold Northern regions of North America. Arsenal does not require a high fertilization rate in the dryland areas.

## Technical Information

### Technology

Arsenal is a long-lived perennial bunchgrass developed by the USDA-ARS at Utah State University. It was selected for plant vigor and seedling emergence under droughty conditions in dry land areas. Arsenal is ideal for use in semiarid rangelands and non-irrigated pastures as a rapid establishing forage grass with early spring growth. It has good fall nutritional quality and exceptional winter hardiness. Arsenal produces short rhizomes 4"-6" long. Arsenal is a heavy producer of roots and crowns. This characteristic provides soil protection not found in other cool-season bunch grasses.

### Establishment

For dryland and irrigated ground, a seeding rate of 20-25 lbs/acre is recommended with a seeding depth of 1/2" – 1/4". A clean, firm, weed-free seedbed is recommended.

### Management

Arsenal is primarily used for forage production either as pasture or hay and is highly palatable to all classes of livestock. Under dryland conditions, new plantings shouldn't be grazed until late summer of 2nd growing season as plants may be damaged or pulled out by overgrazing in the seeding year. Under irrigated conditions, new seedlings shouldn't be grazed until the following season after seeding. Arsenal responds very well to good fertility management.

## Specifications and Trial Data

### Cornell University

	Planted May 2022
	2023 Forage Yield
Product	Tons/A
Arsenal meadow brome	4.59
Stratus meadow brome	4.24

### University of Kentucky, Lexington

	Planted August 30, 2019
	3 Year Total Yield
Product	Tons DM/A
Arsenal	12.16
Admiral	11.47
MacBeth	10.81

## Forage Quality Data

### Penn State University

	Planted April 10, 2019		
	2020 Forage Yield		
Species Average	Tons/A	%CP	TTNDFD
Arsenal Meadow Brome	7.07	15.37	61.32
Meadow Fescue	6.17	12.65	56.32
Orchardgrass	6.41	12.70	52.46
Tall Fescue	6.28	12.72	53.62



Barenbrug premium forage grasses used at the historic 6666 Ranch in Guthrie, Texas

