

ND 3902

BROME VARIETY TRIAL – 1982

L. Manske and H. Goetz

A Bromegrass Variety Trial was seeded at the Dickinson Experiment Station in the spring of 1979. A similar trial was seeded at the Central Grasslands Research Station in the spring of 1981. Eleven varieties of smooth bromegrass (*Bromus inermis*) and one selection of meadow bromegrass (*Bromus biebersteinii*) were seeded at the Dickinson Experiment Station. The same varieties were included in the trial at the Central Grasslands Research Station except one variety of smooth bromegrass was omitted because seed was not available. The trial was designed to evaluate the performance of the varieties in western and central North Dakota on the basis of dry weight herbage production.

The dry weight above ground herbage production at the Dickinson Experiment Station and the Central Grasslands Research Station for each variety are shown in Table 1. One cutting was taken at the Dickinson Experiment Station and two cuttings were taken at the Central Grasslands Research Station.

The three highest producing bromegrasses at the Dickinson Experiment Station were Baylor, Meadow Brome and Rebound with 3792, 3249 and 3239 pounds of herbage production per acre respectively. At the Central Grasslands Research Station, the three highest producing varieties were Blair, Baylor and Barton with 6374, 6158 and 6080 pounds of herbage production per acre respectively for the first cutting. Meadow bromegrass ranked fifth in the herbage production with 5095 pounds per acre for the first cutting.

Table 1. BROMEGRASS VARIETY TRIAL – 1982

Variety	Dickinson	Central Grasslands Station		Total
	Clip-28 June	Clip-29 June	Clip-11 August	
	Total	Lbs/	Lbs/	Total
	Lbs/Acre	Acre	Acre	Lbs/Acre
Barton SB	2364	6080	1591	7671
Baylor SB	3792	6158	1510	7668
Beacon SB	1902	4715	906	5621
Blair SB	2224	6374	1254	7628
Fox SB	2576	4795	1494	6289
Lancaster SB	2752			
Lincoln SB	2384	5563	1192	6755
Lyon SB	2342	4798	1406	6204
Manchar SB	1995	2820	1099	3919
Mandan 404 SB	2105	4597	958	5555
Rebound SB	3239	3242	1211	4453
Meadow Brome	3249	5095	1251	6346

SB – smooth brome grass – *Bromus inermis*

meadow brome grass – *Bromus biebersteinii*