Table 1. Density of herbs on a semidesert grassland site before and after summer prescribed fires. *P* (control=burn) is the probability that average density on unburned plots is the same as that on burned plots. *P* (change) is the probability that the difference between the current year's average and previous year's average in burned plots is the same as that in control plots [Bock and Bock 1987, 1992].

Common name	**Year#**	**Mean density (stems/0.1m^2)**		***P* (Control=Burn)**	***P* (change)**
		Control	**Burn**		
Grasses:					
All grass species	Pre	17.40	15.70	NS*	...**
	Post1	13.74	9.06	<0.001	<0.05
	Post2	12.07	11.68	NS	<0.001
blue grama	Pre	0.24	0.94	NS	...
	Post1	0.35	0.09	NS	NS
	Post2	0.52	0.38	NS	NS
cane bluestem	Pre	0.56	0.11	NS	...
	Post1	0.47	0.06	<0.05	NS
	Post2	0.87	0.33	NS	NS
common wolfstail	Pre	2.18	1.50	NS	...
	Post1	1.75	1.20	NS	NS
	Post2	1.92	1.37	NS	NS
hairy grama	Pre	1.24	0.78	NS	...
	Post1	0.54	0.12	<0.02	NS
	Post2	0.29	0.55	NS	<0.02
plains lovegrass***	Pre	6.57	5.44	NS	...
	Post1	5.90	3.80	<0.01	NS
	Post2	4.09	4.95	NS	<0.001
sideoats grama***	Pre	1.28	1.64	NS	...
	Post1	1.11	0.79	NS	NS
	Post2	1.00	0.95	NS	NS

sprucetop grama	Pre	1.78	1.96	NS	...
	Post1	1.49	2.08	NS	NS
	Post2	0.97	1.73	<0.05	NS
threeawn species	Pre	2.60	1.38	NS	...
	Post1	1.41	0.36	<0.01	NS
	Post2	1.63	0.75	<0.05	NS
Forbs:					
All forb species	Pre	2.56	2.22	NS	...
	Post1	3.15	1.13	<0.001	<0.001
	Post2	1.82	2.10	NS	<0.001
dwarf morningglory species	Pre	0.32	0.34	NS	...
	Post1	0.30	0.39	NS	NS
	Post2	0.29	0.43	NS	NS
leatherweed	Pre	0.18	0.08	NS	...
	Post1	0.06	0.04	NS	NS
	Post2	0.02	0.07	NS	<0.10
shrubby false mallow***	Pre	0.64	0.56	NS	...
	Post1	1.11	0.25	<0.001	<0.01
	Post2	0.18	0.17	NS	<0.001
spreading fleabane	Pre	0.96	0.70	NS	...
	Post1	0.67	0.05	<0.001	NS
	Post2	0.44	0.75	NS	<0.001
spreading snakeherb***	Pre	0.09	0.05	NS	...
	Post1	0.23	0.23	NS	NS
	Post2	0.28	0.20	NS	NS
tanseyleaf tansyaster	Pre	0.11	0.04	NS	...
	Post1	0.53	0.03	<0.01	<0.01
	Post2	0.08	0.10	NS	<0.01
threadleaf ragwort	Pre	0.19	0.22	NS	...
	Post1	0.18	0.01	NS	NS
	Post2	0.00	0.00	...	NS

woolly plaintain	Pre	0.00	0.00	...	...
	Post1	0.04	0.00	...	NS
	Post2	0.23	0.15	NS	NS
#Pre=August 1983, growing season prior to burning. Post1=August 1984, 1 year after fire. Post2=August 1985, two years after fire.					
*NS=Not statistically significant.					
**…=Not applicable.					
***=Species also occurred in woodland plots (see Table 3).					