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Intermediate-Pubescent Wheatgrass Plots

The 1960 hay yields from the intermediate-pubescent plots seeded in 1954 are given in Table 1. Table 2 gives the average yields of the varieties in this trial over the 6-year period, 1955-1960. The 1960 yields given in Table 1 show the composition of the yields in terms of seeded grass, other grass, and weeds. It is apparent that there has been considerable deterioration in stand with nearly all the varieties. This is shown by the relatively high proportions of "other grass" in the stands, especially in the stands of North Dakota pubescent and A-14296. Most of this deterioration of stand has taken place since 1958. The "other grass" in the plots is invading crested wheatgrass. Weeds were not important in the 1960 season.

Table 1. Composition of 1960 Yields from Intermediate-Pubescent Wheat-Grass Plots Seeded in 1954.

	Composition of Yield			
Variety	Grass	Other Grass	Weeds	Total Plot production - Lbs/Acre
M-2-10820	1456	142	38	1636
N. Dak. Pubescent	1020	585	---	1605
Ree Wheatgrass	1333	164	16	1513
N. Dak. Intermediate	1250	179	2	1431
Pubescent Wheatgrass	1325	97	---	1422
Nebraska 50 Intermed.	1210	93	17	1320

A-12496	1045	250	11	1306
Average	1234	216	12	1462

The data of Table 1 show that in the relatively favorable 1960 season M-2-10820, Ree Wheatgrass, and Pubescent Wheatgrass produced the best yields. However, most of the plot yields were fairly close together, with only N. Dak. Pubescent and A-12496 distinctly lower than the other varieties in production of seeded grass. The average plot yield of 1462 pounds per acre for all varieties was about the same as last year's average production of 1439 pounds per acre.

On the basis of the average plot yields for the period of the trial (Table 2), the intermediate wheatgrass strains seem to be slightly more productive than the pubescent wheatgrass strains. All varieties have averaged over 3/4 ton of hay for the 6-year period, with Ree wheatgrass having an average production of over one ton per acre for the period.

Table 2. Hay Yields from Intermediate-Pubescent Wheatgrass Yield Plots Seeded in 1954.

Oven-dry weight - lbs./acre							
Variety	1955	1956	1957	1958	1959	1960	6-Year Average Yield
Ree Wheatgrass	3419	1484	2332	1815	1511	1513	2012
M-2-10820	2724	1329	2290	2006	1435	1636	1903
Nebraska 50	3299	1296	2200	1879	1348	1320	1890
N. Dak. Intermediate	2839	1385	2214	1735	1490	1431	1849
Pubescent Whtgr.	3131	1355	1979	1494	1481	1422	1810
N. Dak. Pubescent	2580	1308	1905	1794	1580	1605	1795
A-12496	2647	1409	2017	1449	1231	1306	1676

Average	2948	1367	2134	1739	1439	1462	18480

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