

## New Intermediate Wheatgrass Plots

The 1960 yields of hay from the new intermediate wheatgrass trial seeded in 1958 are given in Table 3. The data of the table shows that the stands have some weeds in them with South Dakota #20 and A-12496 showing appreciable amounts of weed growth. There has been little or no deterioration of stands as yet, as evidenced by the general lack of invading crested wheatgrass. The range in yields of seeded grass was from 1317 pounds per acre for Amur, to 1999 pounds per acre for Idaho #3. Idaho #3 appeared to have substantially better production than the other varieties in the 1960 season.

Table 3. Composition of 1960 Yields from Intermediate Wheatgrass Plots Seeded in 1958.				
Composition of Yield				
Variety	Grass	Other Grass	Weeds	Total Plot Production - Lbs/Acre
Idaho #3	1999	---	34	2033
South Dakota #20	1641	13	209	1863
Nebraska 50	1623	---	17	1639
N. Dak. Intermediate	1584	---	45	1629
A-12496	1361	---	199	1560
Idaho #4	1497	---	48	1545
Ree Wheatgrass	1491	2	29	1522

Greenar	1451	---	23	1474
Amur (A-13046)	1317	---	42	1359
Average	1552	2	72	1626

The two-year average yields (1959-1960) are given in Table 4. On the basis of the two-year average yields, Idaho #3 and South Dakota #20 would appear to be somewhat more productive than the other strains in this trial. Amur appears to be somewhat less productive than the other strains, and the stands of this variety appear in the field to be less vigorous than the stands of the other varieties. A-12496 initially showed relatively poor stands, but the stands of this strain have thickened-up, and the variety made fairly good growth in the 1960 season. The general vigor and good hay production of young stands of intermediate wheatgrass is evidenced by the over-all average plot yield of 1384 pounds per acre for the two years of the trial.

Table 4. Average Hay Yields from Intermediate Wheatgrass Plots seeded in 1958.			
Oven-dry weight - lbs./acre			
Variety	1959	1960	2-Year Average Yield
Idaho #3	1207	2033	1620
South Dakota 20	1282	1863	1572
Nebraska 50	1151	1639	1395
Ree Wheatgrass	1269	1522	1395
N. Dak. Intermediate	1145	1629	1387
Greenar	1187	1474	1330
Idaho #4	1044	1545	1294
Amur (A-13046)	1142	1359	1250

A-12496	860	1560	1210
Average	1143	1626	1384

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