

New Crested Wheatgrass Plots

Yields of hay (oven-dry weight) from the plots in the new crested wheatgrass trial are given in Table 7. This trial was seeded in 1958, and the first yields were taken in 1959. It is interesting that in terms of over-all yield commercial standard crested and commercial Fairway crested have slightly better 2-year average production than do the newer varieties. Probably no particular significance should be attached to this fact this early in the trial. Turkish Fairway seems to have little or no adaptation to the area, and no stands of A-1770 were obtained from the initial seeding.

With Turkish Fairway excluded from the trial, the range in yields for the 1960 season was from 1461 pounds per acre for Nordan to 1815 pounds per acre for commercial crested. All the major varieties produced nearly 3/4 ton of hay per acre or better. The average yield for all varieties for the 2-year period is slightly under 3/4 ton per acre. None of the varieties appear to be outstandingly better than any of the others in terms of over-all production. The fact that Turkish Fairway is an exception to this general statement has been previously mentioned.

Table 7. Hay Yields from Crested Wheatgrass Varieties seeded in 1958.			
Dry-weight-Lbs., Acre			
Variety	1959	1960	2-Year Average Yield
Commercial Crested	1452	1815	1633
Commercial Fairway	1425	1619	1522
Nebraska 3576 Fairway	1371	1605	1488
Summit Crested	1328	1614	1471
Nebraska 10	1137	1791	1464

Nordan Crested	1427	1461	1444
Mandan 2359	1157	1687	1422
South Dakota 15	1164	1546	1355
Turkish Fairway	753	930	841
A-1770	no stand	---	---
Average	1246	1563	1404

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