The prices used in figuring costs were as follows: barley, $1.08 a bushel; corn, $1.26 a bushel; oats, 72c a bushel; soybean meal, $65.00 a ton; alfalfa hay, $15.00 a ton; and crested wheat grass hay, $10.00 a ton.

The lambs that received alfalfa hay made more rapid gains than those in either of the other lots and consumed less feed to produce one hundred pounds gain. The lambs which received crested wheat grass hay with soybean meal to increase the protein gained nearly as much as those on alfalfa hay. Lambs on grain and crested wheat grass hay without protein supplement made the least gains.

These results emphasize two important points in feeding lambs:

1. Alfalfa hay provides the protein required to supplement grain for lambs.
2. Grass hay, even of good quality, does not supply sufficient protein to adequately supplement grain; therefore, a protein supplement increases the rate and economy of gains.

Hybrid Corn Acreage in North Dakota

By
H. L. Walster, Director

Nearly half of the total acreage planted to corn in North Dakota in 1946 was planted with hybrid seed, according to a release from the Office of the Agricultural Statistician, B.A.E., U.S.D.A., dated July 15, 1946. Of the estimated 1,206,000 acres of corn planted in 1946, some 579,000 acres, or 48 percent, were in hybrids. The percentage of hybrid corn acreage in the southeastern part of the state runs up to 80 percent, in the northeast up to 50 percent, with percentages of from 15 to 20 percent in other parts of the state. The U. S. figure for hybrid corn acreage was estimated at 67.5 percent in 1946. The Experiment Station's program of developing suitable hybrids has helped bring up North Dakota's hybrid corn acreage rapidly through its own breeding operations and its constant testing program in cooperation with the commercial producers of hybrid seed corn.

North Dakota's advance into hybrid corn has been speeded up at a rapid rate—note the figures:

Year	Percentage of total acreage planted with hybrid seed
1938	0.4
1939	1.6
1940	3.8
1941	7.5
1942	11.8
1943	16.7
1944	24.9
1945	31.9
1946	48.0