

NORTH DAKOTA STATE WEATHER SERVICE.

November, 1891.

Special report of Voluntary Observers as to depth of snow on ground on the 15th and end of month, with remarks.

Bathgate: 15th, 2 inches; 30th, 2 inches. Nearly all snow is in drifts. No crops in ground.

Dickinson: 15th, 1 inch; 30th, 0.8 inch. Eight to twelve inches of snow 40 miles northwest.

Gallatin: 15th, 5 inches; 30th, 9 inches. Drifted less than for past ten winters. No winter wheat raised, and what has been sown a failure. There is but little plowed ground this winter.

Grand Rapids: 15th, 3 inches; 30th, 5 inches. Plowed and burned land practically bare. All snow drifted to stubble and prairie grass. On 11th had severe snow-storm, with high wind, followed by cold weather, freezing ground so as to stop plowing and nearly all kinds of farm work. It is a fair estimate that at least 30 per cent. of the grain in this county (La Moure) was unthreshed at date of this storm. None known to be unstacked in this county.

Hops: 15th, 3 inches; 30th, 4 inches. Not many drifts. Snow has covered ground most of the month, making good protection for winter crops.

Jamestown: 15th, 4 inches; 30th, 6 inches. No drifts 15th; small drifts 30th.

Milton: 15th, 1 inch; 30th, 1.5 inches. Snow on prairie is from 2 to 4 inches, but on plowed ground nothing.

Napoleon: 15th, 8 inches; 30th, 10 inches. Prairie and plowed ground well covered with from 8 to 12 inches. No winter grain sown in Logan county. Bad drifts.

Power: 15th, 6 inches; 30th 4 inches. Not sufficient snow to make large drifts. No crops in ground. All plowing ceased with snow-storm of the 10th and 11th.

St. John: 15th, 15 inches; 30th, 19 inches. Prairie snow drifted; lays level in timber. No crops in ground this season of the year.

Sykeston: 15th, 0.5 inch; 30th 1.2 inches.

University: 15th, 3.2 inches; 30th 1.8 inches. Ground generally covered, except on smooth roads and plowed fields. No crops in ground.

Valley City: 15th, 1 inch; 30th, 4 inches. No crops to protect. Wet weather of September and October prevented grass from burning, in consequence, snow is held where it falls, which, with what may reasonably be expected, will insure the filling of the lakes and sloughs in the spring.

Wild Rice: 15th, 3 inches; 30th, 3.5 inches. Snow carried off fields and lodged in tall grass and ravines. Not enough snow on prairie to protect any crops that may be in the ground.

Willow City: 30th, 6 inches.

Woodbridge: 15th, 3 inches; 30th, 15 inches. Free from drifts. The ground has been well covered all the month with snow.

From the 1st to the 10th mild and pleasant weather generally prevailed, permitting the work of threshing the large amount of wheat still stacked. From latter date to close of month, owing to heavy wind and snow-storms with low temperature, the work was greatly retarded, and in several places altogether checked.

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Central station, Bismarck, N. Dak.