

acres, part of which is irrigated. The manager reports that in 1910 the company had about 2,500 acres in beets. The acreage cultivated by farmers was about 800 acres. The average crop is 10 tons per acre, and the average sugar contents 16 per cent. The farmer's net profit per acre is estimated at from \$20 to \$40. The refuse is sold as cattle feed.

SWINE. Pork production is rapidly becoming an important industry in Alberta, particularly in that portion lying north of the main line of the C.P.R. Here the grains and grasses necessary in swine raising grow luxuriantly and produce pork of the highest quality. The number of hogs marketed in 1910 was approximately 80,000 head. There are two large packing plants now in operation: The J. Y. Griffin Co. at Edmonton, and P. Burns & Co., Calgary. Besides her home market, the Peace River District and British Columbia depend largely upon Alberta for their pork and bacon supplies.

WHEAT. The ideal temperature for wheat is a mean summer temperature of 60 degrees. This extends as far as latitude 65 degrees. The greatest yield is nearest the northern limit of successful growth. Wheat from Fort Chippewegan at lat. 59 took first prize in Philadelphia in 1876. Wheat from the Peace River Valley took first prize in the World's Columbian Exhibition in 1893. Four and five grains are found to the cluster, as against two grains usual in the U.S. wheat fields. This is due to the winter frosts, summer rains and the soil, of which the chief ingredients are nitrogen, potash and phosphoric acid.

WHEAT—PROFIT PER ACRE BY CONTRACT WORK.

The following estimate, which is regarded as fair, was published in the "Calgary Herald," Aug., 1910, showing cost and profit per acre on a crop of wheat on say, 25 acres: Preparing land for seeding, \$2.25; drilling, 14c.; binder harvesting, 75c.; threshing and delivering 1 acre of 22.47 bus. at 8c., \$1.80. Entire cost of wheat crop per acre, delivered to the elevator, \$4.94. Add interest 8% on land, at \$15 per acre, \$1.20. Taxes, land, school, and road per acre about 16¼c. Total cost per acre, \$6.31; profit (Alberta) crop average, 22.47 bus. per acre at 75c., \$16.85. Net profit per acre clear of all expenses, \$10.54.

WHEAT—SPRING WHEAT. The following is a comparison of official returns of the leading wheat states of the Union: Average yield per acre for 1896 to 1905, Dakota N., 12.2; Dakota S., 11.1; Iowa, 14.1; Kansas,