

CARROTS—Continued.

EXPERIMENTAL FARM, INDIAN HEAD, SASK.

Number.	Varieties tested.	Average yield.		Number.	Varieties tested.	Average yield.	
		Tons.	Lbs.			Tons.	Lbs.
(For five years ending 1905.)			(For five years ending 1905.)				
1	Ontario Champion.....	16	113	6	Early Gem.....	13	47
2	New White Intermediate.....	15	1,562	7	Half Long Chantenay.....	12	1,730
3	Giant White Vosges.....	14	1,464	8	Mammoth White Intermediate.....	12	1,694
4	Improved Short White.....	14	402	9	Carter's Orange Giant.....	12	749
5	White Belgian.....	13	426	10	Long Yellow Stump-rooted....	12	274

The plots of carrots at Indian Head in 1906 were entirely destroyed by cut-worms. Under these circumstances it is thought best to give the yields for the five years ending 1905.

EXPERIMENTAL FARM, AGASSIZ, B. C.

Number.	Varieties tested.	Average yield.		Yield in 1906.	Number.	Varieties tested.	Average yield.		Yield in 1906.		
	(For five years.)	Tons.	Lbs.	Tons. Lbs.		(For five years.)	Tons. Lbs.	Tons. Lbs.			
1	Giant White Vosges..	31	456	37	1,340	6	New White Intermediate.....	24	1,309	28	1,948
2	Mamm. White Intermediate.....	23	678	26	1,592	7	Ontario Champion....	24	554	23	1,784
3	Improved Short White	27	105	31	964	8	Early Gem.....	20	1,796	24	576
4	White Belgian.....	26	331	28	232	9	Long Yellow Stump Rooted.....	20	814	22	1,672
5	Carter's Orange Giant	25	1,097	31	1,756	10	Half Long Chantenay.	19	1,684	26	404

The average yield of the 10 varieties of carrots tested on the Experimental Farm at Agassiz in 1906 was 28 tons 427 lbs. per acre.

SUGAR BEETS.

Eight varieties of sugar beets have been tested during 1906, sown in drills or on the flat in rows two feet apart. The dates of sowing were: At Ottawa, Ont., May 15th; Nappan, N.S., June 14th; Brandon, Man., May 23rd; Indian Head, Sask., June 13th and at Agassiz, B.C., April 21st.

The dates of pulling were as follows: At Ottawa Oct. 25th; Nappan, October 19th; Brandon, October 8th; Indian Head, October 9th and at Agassiz, October 30th.

The yield per acre in each instance has been calculated from the weight of roots gathered from two rows each 66 feet long. Though all the varieties included in these tests are commonly classed as sugar beets it should be noted that the only sorts recommended for use in the manufacture of beet sugar are Wanzleben, Vilmorin's Improved and French Very Rieh.

In Canada the ton is 2,000 lbs.