

The highest yielder was Solo, giving 53 bushels (3,154 pounds) per acre; next in order of yield was Golden Vine with 50 bushels (3,000 pounds) per acre; and the third was Arthur Selected, yielding 47½ bushels (2,848 pounds) per acre. The lowest yielder this season was Chancellor, which produced 37 bushels (2,220 pounds) per acre.

One variety of vetch was grown. This was produced in Sweden and is called Improved Swedish Vetch. It made an excellent growth but the seed ripened unevenly and some was lost in harvesting. The yield was 19 bushels (1,140 pounds) per acre.

EXPERIMENTAL STATION, SIDNEY, B.C.

Samuel Spencer, Foreman Manager.

CEREALS.

Five varieties of winter wheat, three of winter rye, three of spring wheat, three of oats and two of barley were tested on plots of ½ of an acre each, the crops were the first grown on new land, some plots had been heavily graded and a very thin layer of soil left on the clay sub-soil. All the plots were sown on October 27, and were ripe, July 22.

FALL WHEAT AND FALL RYE—TEST OF VARIETIES.

No.	Variety.	Soil.	Weight of Straw per acre.	Yield of Grain per acre.	Weight of measured bus. after cleaning.
			Lbs.	Bush.	Lbs.
	Fall Wheat.				
1	Tasmania Red	Black Loam	6842	46.5	63
2	Egyptian Amber	" "	7583	43	63.5
3	Buda Pesth	" "	6050	38.7	64
4	Dawson's Golden Chaff.....	" "	4356	30.5	61
5	Turkey Red	Thin black loam on clay sub-soil.	4620	20	63
	Fall Rye.				
1	Manmoth White.....	Black Loam	7320	36.5	87
2	Dominion	" "	4006	32.5	60
3	Thousandfold	Thin black loam on clay sub-soil.	6820	28	60

SPRING WHEAT, OATS AND BARLEY—TEST OF VARIETIES.

No.	Variety.	Soil.	Date of Ripening.	Days Maturing.	Weight of Straw per acre.	Yield of Grain per acre.	Weight of measured bushel after cleaning.
					Lbs.	Bush.	Lbs.
	Spring Wheat.						
1	Marion	Black Loam	Aug. 7...	101	3,750	35	61
2	Marquis	Thin black loam on clay sub-soil.....	" 7	101	2,700	27.5	59
3	Red Fife	" "	" 7	101	3,200	27.5	58
	Oats.						
1	Victory.....	Black Loam	July 29...	97	6,800	68	42
2	Banner	" "	Aug. 5...	99	6,710	66	42.2
3	Dunbeney	" "	July 22...	85	6,710	60.7	42
	Barley.						
1	Manchuian (6 rowed)	Black Loam	July 22	85		30	50
2	Canadian Thorpe (2 rowed).	Thin black loam on clay sub-soil.	" 30 ..	93		23.7	53