	No. of plots.	Yields in weight.	Yields in weight per argent.		
lot	1	107 lbs	642 ILm.		
	8	106	648		
H	8	105 H	648 11		
	4	123 н	733		
	5	129 н	774		
10	6	92	552		

The six plots were prepared in the usual manner and planted the same day at the usual distances of 18" x 30". The yields are given in the following table.

The table shows that plot No. 5 gave the best yield in weight, being 322 pounds higher than the poorest yield and 274 pounds higher than the yield obtained in the first trial in 1909. Considering only the uniformity of product, plot No. 2 is ahead, but uniformity is not a very important point with this variety as the Cuban tobacco can only be utilized as fillers. Furthermore, the method of culture followed on plot No. 5 has the advantage of doing away with a lot of labour, as suckering is practically unnecessary. This yield of 774 pounds is not a heavy one but in a normal year a yield of 850 to 900 pounds may be expected. Quebec growers should take an interest in the Ouban tobacco; up to the present time, this variety is the only one that is specially adapted for use as fillers.

This crop of Cuban will be fermented shortly and the proportion of nicotine in the various lots, under different methods of culture, will be determined. It is possible that our conclusions may be somewhat modified as a result of these observations. If so, our readers will be informed of the results.

## LABORATORY WORK.

During the year, 16 samples of soils, 6 of which were from Quebec and 10 from Ontario, were submitted to a chemical analysis. Results of this analysis are given in the following table:----

## ANALYSIS OF SOILS.

## QUEBEC SOILS.

			A	B		
		1		_	•	
Moit 70	7.64 8.12	9.40	6.76	6.20	7 81	8.13
Nitrogen	0.001 0.008	0.044	0.038	0.010	0.031	0.84
Phosphoric acid	0.71 0.87	0.91	0.63	0.63	0.50	0.77
Potash.	8.50 2.43	1.96	3.19	3.16	9-96	9.10
Iron and manganese perovide	5.95 5.41	3.57	RISE	6.00	6 40 E 17	0 12
Lime	0.59 0.40	0.61	1.84	1 84	0.11	0.08
Hamio acid	K-K0 4-97	1 4.80	1.04	1.04	0.61	0.49
	0 00 4 3/	4.98	3.16	3.22	3.76	3:41
Silick	0.02 68.12	71.17	67.81	68.00	70.22	67.68
Alumina 1	2.78 13.00	11.58	11.25	11.30	12.41	11.72
Magnesia	0.45 0.32	0.18	0.24	0.27	0 28	0.34
Sulphurie acid tr	aces	1			traces	
Nitrie acid					www.co	
Chlorine	0.002		0.065	0 065	0.005	