

To determine, if possible, whether these differences would be continued in trees grafted from them, scions were taken from the least productive tree, the most productive tree and the tree which bore a good crop every year in a row of eighteen Wealthy apple trees. These trees were propagated in 1905, being root grafted on seedlings of the Rose of Stanstead Crab and planted out in 1909 on a uniform piece of soil. They began bearing in 1912 and in the following table will be found the yields obtained for 1912, 1913, 1914 and 1915. It will be seen that the trees from the productive and regular bearing tree has, so far, given slightly the best crop but the yield from the trees from the poorest bearer are not much behind. The results are interesting, though several years' more crops are necessary before one should draw any conclusions.

YIELD of Heaviest Bearing Tree. Bud Heredity Experiment.

Record No.	Tree.	Yield 1912.	Yield 1913.	Yield 1914.	Yield 1915.
6320.....	3/1	0.25 gal.	0.0 gal.	4.0 gal.	0.50 gal.
6321.....	3/2	0.00 "	0.0 "	7.0 "	1.25 "
6322.....	3/3	0.00 "	0.0 "	4.0 "	0.50 "
6323.....	3/4	0.00 "	0.0 "	4.0 "	0.25 "
6324.....	3/5	0.50 "	2.75 "	8.0 "	0.00 "
6491.....	13/3	0.50 "	1.0 apple	7.5 "	0.00 "
6475.....	12/4	1.00 "	0.25 gal.	4.0 "	0.75 "
Yearly totals.....		2.25 gal.	3.0 gal.	38.5 gal.	3.25 gal.

Total yield from seven trees for four years 47 gallons.

YIELD of Heaviest and Regular Bearing Tree. Bud Heredity Experiment.

Record No.	Tree.	Yield 1912.	Yield 1913.	Yield 1914.	Yield 1915.
6354.....	5/1	2 apples	3.25 gal.	3.0 gal.	1.75 gal.
6355.....	5/2	3 "	2.00 apples	7.0 "	3.00 apples.
6356.....	5/3	0 "	0.00 "	3.0 "	1.75 gal.
6357.....	5/4	0 "	0.00 "	3.0 "	0.50 "
6358.....	5/5	0.5 gal.	2.75 gal.	10.0 "	2.00 "
6476.....	12/5	0.0 "	1.75 "	5.0 "	0.00 "
6481.....	12/10	2.0 "	10.00 "	9.0 "	0.00 "
Yearly totals.....		2.75 gal.	17.75 gal.	40.0 gal.	6.00 gal.

Total yield from seven trees for four years 66.5 gallons.

YIELD from Least Productive Tree. Bud Heredity Experiment.

Record No.	Tree.	Yield 1912.	Yield 1913.	Yield 1914.	Yield 1915.
6337.....	4/1	0.0 gal.	0.75 gal.	3.0 gal.	1.5 gal.
6338.....	4/2	0.0 "	0.00 "	5.0 "	0.75 "
6339.....	4/3	0.0 "	0.00 "	6.0 "	4.5 "
6340.....	4/4	0.0 "	0.00 "	3.0 "	5.0 "
6341.....	4/5	0.5 "	0.25 "	5.0 "	3.5 "
6479.....	12/8	0.0 "	0.00 "	9.0 "	0.0 "
6490.....	13/2	0.0 "	0.00 "	4.0 apples	0.0 "
Yearly totals.....		0.5 gal.	1.00 gal.	31.0 gal.	15.25 gal.

Total yield from seven trees for four years 47.75 gallons.