

No. 5. 10 lbs. Mammoth Red Clover per acre. 23rd July, growth medium to strong and even. 14th October, height 10 to 12 inches, growth strong and even, too thick for meadow but a good stand for ploughing under, very few plants in bloom.

No. 6. 12 lbs. Mammoth Red Clover per acre. 23rd July, growth medium to strong and even. 14th October, height 10 to 12 inches, growth strong and even making a thick mat of foliage, too thick to leave for meadow but in excellent condition for ploughing under, very few plants in bloom.

No. 7. 14 lbs. Mammoth Red Clover per acre. 23rd July, growth strong and even. 14th October, height 10 to 12 inches, growth strong and even, making a thick mat of foliage, too thick for meadow, but in excellent condition for ploughing under, very few plants in bloom. No advantage could be detected in this plot over that where 12 lbs. of seed were used.

The following plots adjoining those last referred to, on similar soil, with like treatment, were also sown with Odessa barley on the same date and with the barley was sown the following different kinds and quantities of clover.

Variety of Barley Sown—Odessa.	Weight of	Yield of	
	straw per acre.	Barley per acre.	
	Lbs.	Bush.	Lbs.
No. 8. 24 lbs. Crimson Clover.....	3,140	55	
9. 14 lbs. Alfalfa.....	3,170	60	20
10. 6 lbs. Alsike.....	3,110	64	13
11. 10 lbs. Cow Grass (Perennial Red Clover).....	3,305	58	16
12. 10 lbs. Common Red Clover.....	3,250	55	40
13. 6 lbs. Alsike Clover with 14 lbs. Orchard Grass.....	2,800	46	42

There was no check plot in this series, that in the last set being near by, served for both. In plot No. 13, where the orchard grass was associated with the clover, the yield was less but this was probably due more to the variation in the soil than to the influence of the orchard grass the growth of which was quite small and weak up to the time of the cutting of the grain. The other plots do not vary enough in yield to lead to the belief that the differences are due to any material extent, to the clover. Notes were taken on the growth of the clover in these plots similar to those in the first series.

Plot No. 8. 24 lbs. Crimson Clover. 23rd July, growth fairly even, some plants in bloom. 14th October, height 6 to 8 inches, growth fairly even, not thick enough to make a good mat for ploughing under.

Plot No. 9. 14 lbs. Alfalfa per acre. 23rd July, growth weak, plants unhealthy looking with many of the leaves withered. 14th October, height 12 to 14 inches, growth fairly even, stalks rather woody, in good condition to leave for meadow but rather thin for ploughing under.

Plot No. 10. 6 lbs. Alsike per acre. 23rd July, growth very weak and feeble. 14th October, height 4 to 8 inches, growth uneven, too thin to make good meadow or for ploughing under to advantage.

Plot No. 11. 10 lbs. Cow Grass per acre (Perennial Red Clover). 23rd July, growth weak and uneven. 14th October, height 6 to 8 inches, growth uneven and patchy, may be thick enough to leave for meadow but not thick enough for ploughing under to advantage, a few plants in bloom.

Plot No. 12. 10 lbs. Common Red Clover per acre. 23rd July, growth weak but fairly even. 14th October, height 8 to 10 inches, growth even, thick enough to leave for meadow but not thick enough for ploughing under to advantage, a few plants in bloom.

Plot No. 13. 6 lbs. Alsike with 14 lbs. of Orchard Grass per acre. 23rd July, the alsike had made fair growth, and the growth of the orchard grass was medium and even. 14th October, alsike 6 to 8 inches high, growth medium and even, plants thick