

### Sugar Beets

Sugar beet trials over a period of more than fifteen years demonstrate that the sugar beet is a dependable crop and that yields varying from seven to thirteen tons can be expected. A brief summary of the experimental work with sugar beets indicates that: (1) Commercial fertilizers can be profitably applied to the crop and that superphosphate at the rate of 125 pounds per acre of the 20 per cent test has proved most profitable of all of the

fertilizing materials used alone or in combination. Heavy applications of forty-five per cent treble superphosphate in the line of row had no injurious effect on sugar beet seedlings; the gain in yield from this heavy application of fertilizer was not sufficient to warrant the use of this amount. (2) Sub-soiling to a depth of fourteen inches over a period of years did not effect materially the yield of sugar beets and while there was some improvement in quality from the subsoiled plot over the shallow plow-in, no advantage was gained over deep plowing.

