

was opened again with straight shovel and into this furrow, pieces of potatoes, cut to three or four eyes, were dropped, twelve inches apart and covered with a turn plow. The fertilizer used was 700 pounds per acre, of a mixture consisting of 400 pounds cottonseed meal, 200 pounds acid phosphate and 100 pounds kainit. The seasons were very propitious. It received one cultivation with hoe and plow."

The conclusions as to yield were:

"Six of the above varieties yielded over four hundred bushels per acre, viz.: Boston Peerless, Vermont Early Rose, Beauty of Hebron, Cayuga, Callun's Superb, and Russet. Eleven gave over three hundred and fifty bushels, viz.: Parson's Prolific, Enos Seedling, Home Comfort, Late Favorite, Webb's Early, Sylvian, Extra Early Vermont, Dunn's Seed, Early Puritan, Dictator, Platt's No. 5. Thirteen followed with yields over three hundred bushels per acre, viz.: Baker's Imperial, Strawberry, Bliss' Triumph, Burbank, Sunset, Great Eastern, English Kidney, Rural Blush, Irish Cup, Scotch B., Dunmore, James Vick, and Buffalo Beauty. Of the remainder, seven gave less than two hundred bushels per acre.

"The lowest yield was 170 bushels per acre, while the highest 435."

In reference to size of seed it says:

"Shall we plant the whole potato or cuttings, and what size of each are most productive and economical? Seven varieties of potatoes were used, each being treated exactly alike.

"In each row there were planted eight large potatoes, [a]; eight medium potatoes, [b]; eight pieces, cut, two or more eyes, [c]; and eight pieces cut to one eye, [d]; weighed and planted one foot apart.

"Below is a table giving weight of potatoes and cuttings planted; [a], weight of eight large potatoes; [b], weight of eight medium potatoes; [c], weight of eight cuttings, two or more eyes, and [d] weight of eight cuttings, one eye.

NAME OF VARIETY USED.	Weight of 8 large potatoes planted.	Weight of 8 medium potatoes planted.	Weight of 8 cuttings, 2 or more eyes planted.	Weight of 8 cuttings, one eye planted.
	"A"	"B"	"C"	"D"
Early Rose.....	3 lbs	1 1-4 lbs	7-16 lb	1-6 lb
Boston Peerless.....	4 lbs	1 5-8 lbs	5-8 lb	1-8 lb
Beauty of Hebron.....	2 11-16 lbs	1 lb	7-16 lb	1-4 lb
Rural Blush.....	3 lbs	1 1-4 lbs	7-16 lb	3-16 lb
Extra Early Vermont.....	2 7-24 lbs	1 lb	5-8 lb	1-8 lb
Russet.....	2 7-16 lbs	1 7-16 lbs	1-2 lb	1-8 lb
Burbank.....	1 5-16 lbs	1 lb	3-16 lb	1-8 lb

In regard to the yield:

"The productive results obtained concur with those of previous years; the larger the seed planted the greater the yield. The economical results are, however, different. To determine these an account must be taken of seed planted and the net yield per acre determined. To make this plain, a table is given showing amounts planted per acre with each experiment and variety, together with the net yield. In