
New York State Agricultural Experiment Station

Geneva, N. Y.

THE QUALITY OF PACKET VEGETABLE SEED ON SALE
IN NEW YORK IN 1926, 1927, AND 1928

M. T. MUNN, OLIVE M. HOEFLE, AND MARY E. WOODBRIDGE



PUBLISHED BY THE STATION
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THE QUALITY OF PACKET VEGETABLE SEED ON SALE IN NEW YORK IN 1926, 1927, and 1928

M. T. MUNN, OLIVE M. HOEFLE, AND MARY E. WOODBRIDGE

ABSTRACT

The results of the cooperative work between the Department of Agriculture and Markets, Albany, N. Y., and the Seed Testing Laboratory of this Station in the purchase, examination, analysis, and test of 964 sealed packets of vegetable seeds obtained in the open markets of this State show that of all the packets purchased from 47 different seedsmen or dealers during the planting seasons of 1926, 1927, and 1928 by inspectors 9.2 per cent, or 9 packets out of every 100, were worthless for planting purposes. In addition there was a relatively high percentage of packets which carried but little real seed or planting value. In 1923, out of 347 packets there were 23 per cent which were considered worthless, in 1924, out of 500 packets there were 18 per cent which were classed as worthless.

In this investigation, as in the previous ones, packets of seed of the same kind and variety varied widely as to selling price, size and weight of packet, freedom from foreign materials, general appearance, and viability or ability to germinate.

The results of these studies with packet vegetable seeds show, in general, that all of the seeds sold in this form by each respective seedsmen are approximately of the same quality. In other words, it may be said in speaking of packet vegetable seedsmen, or "commission box" seedsmen, at least, that "by their seeds ye shall know them." The reliable, long-established seedhouses in this and other states which sell to New York residents thru the medium of sealed paper packets can usually be trusted, for they make an effort to place in the packets seeds of such quality as will merit the trust placed in them.

On the other hand, there are altogether too many seedhouses or dealers, and a study of the results given herein will indicate who they are, who apparently take no care to determine purity or quality and who sell anything the seed grower or wholesaler will give them, so long as the buying public will accept such goods. The garden is a valuable adjunct to the home and no uncertainty should be permitted at any point in its care, especially with the important matter of seeds for planting.

In 1925 an amendment to the field seed law was enacted bringing under inspection all vegetable seed sales. The general efforts at compliance with this law and its effect upon the trade are herein discussed. The intent of the law is to provide to the buyer of vegetable seeds that quality and certainty to which he is entitled. The newly enacted amendment to the seed law provides for trial grounds or control fields upon which stocks or offerings can be grown to maturity. Preliminary studies made by planting the seed in the field and maturing the crop show plainly that so far as quality is concerned there is still wide variation. Here, again, the old-established, well-known, or better-known seed firms who have a name and a reputation to maintain gave dependable varieties and good quality.

INTRODUCTION

In Bulletins Nos. 507 and 533 of this Station, entitled "The Quality of Packet Vegetable Seed on Sale in New York," there were given the results of cooperative work between the Department of Agriculture and Markets, Albany, N. Y., and the Seed Testing Laboratory of this Station in the purchase, examination, analysis, and test of 947 sealed packets of vegetable seeds collected during the seed selling seasons of 1923 and 1924, respectively. Until September 1, 1925, there was no law to control the sale of vegetable seeds, therefore this extra work and investigation in securing vegetable seed packets was undertaken by the Commissioner of Agriculture and Markets acting under the provision of the Farms and Markets law. The present bulletin contains the results of continued work of the same nature as that previously reported, with 964 sealed packets of vegetable seeds collected during the planting seasons of 1926, 1927, and 1928, or since the vegetable seed law became effective on September 1, 1925.

NOTES ON VEGETABLE SEED PACKETS COLLECTED

Immediately at the end of the active planting and buying season and upon receipt of all of the packets collected by agents of the Commissioner of Agriculture and Markets, the entire collection of the packets of the same kind and variety of seed were arranged according to their variety name as given by the vendor. Notations were then made concerning the statements as to kind of seed, variety name, year when packeted or put up, and name and address of person or firm who put up or packeted the seeds and labeled them as

required by the vegetable seed law. All of the packets of one kind were then examined, weighed, counted, soaked in water where necessary, put on the same kind of blotting paper or other substratum, in the same manner, at the same time, and then given the same treatment in the germinator as to wetting and temperature control. The various lots were identified thruout the entire procedure by the inspectors number only and not by the dealers name. None of the samples were "coddled" in any way or given special treatment. All of the final readings or interpretations as to the number of seeds considered completely germinated were made in the same manner. The time allowed for the complete germination test in all cases was precisely that prescribed in the "Rules for Seed Testing."

PURITY

In terms of pure seed or mechanical purity the packets of any one kind and variety when compared showed unmistakably all degrees of care in filling. The seed in some of the packets was contaminated with seeds of unrelated crops quite foreign to the kind of seed named, while other packets contained all grades and degrees of inert matter much of which should not appear in vegetable seeds if any reasonable amount of cleaning had been done. As judged from the consistently uniform character and quality of some of the older, well-established seedmen's packets there were altogether too many packets which showed but little care in their preparation. In fact, over 8 per cent of all of the sealed vegetable seed packets contained weed seeds of a number of different kinds and with as high as six different kinds of weed seeds in appreciable amounts in certain packets. This is a condition quite inexcusable when one considers the condition under which vegetable seed crops are grown in good culture.

Approximately 5 per cent of all the packets contained as impurities seeds of other unrelated crops quite foreign to the kind of seed named, as for instance rye in radish seed, onion in cucumber, celery in cauliflower, and alfalfa seed in carrot seed packets. Some lots of seed showed unmistakable evidences of insect injury which must have occurred even before the seeds were packeted. In other cases, live insects were found at work in the packets at the time they were opened.

Since it is necessary with many kinds of seeds to purify a representative small portion of the sample from which sets of 100 seeds each are selected indiscriminately for germination testing, it was decided

TABLE 1.—THE PURITY, VIABILITY, AND "ACTUAL VALUE" OF PACKETS OF CELERY, CARROT, AND PARSNIP SEEDS COLLECTED IN 1926.

INSPECTION No.	NAME OF DEALER	PERCENTAGE OF				
		Weed seeds	Inert matter	Pure seed	Germination	Actual value*
Celery						
BF 5	J. & T. Adikes, Jamaica	0.08	1.56	98.36	82	79.6
S 227	American Seed Co., Detroit, Mich.	0.41	0.83	98.76	50	48.3
S 66	Anonymous	0.00	0.70	99.30	14	13.9
S 98	W. W. Barnard Seed Co., Chicago, Ill.	0.29	5.30	94.41	66	62.3
S 297	W. D. Burt, Dalton	0.18	1.98	97.84	29	28.2
S 294	W. D. Burt, Dalton	0.10	1.66	98.24	35	24.3
S 295	W. D. Burt, Dalton	0.46	2.97	96.57	47	45.3
S 253	Chautauqua Seed Co., Dunkirk	0.00	0.55	99.45	91	90.4
S 190	Erie Seed Co., Fredonia	0.07	2.73	97.20	4	3.8
V 570	Forrest Seed Co., Cortland	0.18	1.98	97.84	51	49.8
S 54	Harvey Seed Co., Buffalo	0.00	1.42	98.58	82	79.8
BF 35	Peter Henderson & Co., New York	0.00	1.28	98.72	70	69.1
—	Hygrade Seed Co., Tuckahoe	0.30	1.93	97.77	67	65.5
—	Hygrade Seed Co., Tuckahoe	0.06	1.16	98.78	78	75.9
BF 59	A. Kennedy Inc., New York	0.00	0.74	99.26	77	76.4
S 169	Lake Shore Seed Co., Dunkirk	0.06	0.78	99.16	78	77.3
BF 24	W. E. Marshall & Co., New York	0.06	0.73	99.21	72	71.4
V 588	B. F. Metcalf & Son, Syracuse	0.08	0.98	98.94	94	92.0
S 272	Northrup-King, Minneapolis, Minn.	0.20	2.86	96.94	48	44.5
S 131	Randolph Seed Co., East Randolph	0.14	2.13	97.73	85	82.9
V 575	Chas. F. Saul, Syracuse	0.10	1.48	98.42	62	61.0
Carrot						
BF 4	J. & T. Adikes, Jamaica	0.00	3.50	96.50	39	37.6
S 226	American Seed Co., Detroit, Mich.	0.00	3.00	97.00	41	39.7
S 159	A. J. Brown Seed Co., Grand Rapids, Mich.	0.10	2.40	97.50	54	52.6
S 301	W. D. Burt, Dalton	0.10	1.30	98.60	61	60.1
S 210	Card Seed Co., Fredonia	0.00	1.60	98.40	67	65.9
S 246	Chautauqua Seed Co., Dunkirk	0.00	1.50	98.50	73	71.8
S 137	Checker Seed Co., Randolph	0.10	3.10	96.80	75	72.6
S 23	Crosman Seed Co., East Rochester	0.30	4.00	95.70	44	42.1

V 642	F. H. Ebeling, Syracuse	0.00	0.50	99.50	80	79.6
S 185	Erie Seed Co., Fredonia	0.20	2.30	97.50	35	34.1
S 283	Forrest Seed Co., Cortland	0.00	6.00	94.00	85	78.9
V 567	Forrest Seed Co., Cortland	0.20	3.00	96.80	55	53.2
S 220	Fredonia Seed Co., Fredonia	0.00	2.30	97.70	68	66.4
S 43	Harvey Seed Co., Buffalo	0.00	3.80	96.20	76	73.1
S 44	Harvey Seed Co., Buffalo	0.20	1.20	98.60	86	84.7
S 45	Harvey Seed Co., Buffalo	0.00	3.50	96.50	71	68.5
S 46	Harvey Seed Co., Buffalo	0.20	2.10	97.70	59	57.6
BF 34	Harvey Seed Co., Buffalo	0.00	1.10	98.90	67	66.1
—	Peter Henderson & Co., New York	0.00	4.20	95.80	49	46.9
BF 58	Hygrade Seed Co., Tuckahoe	0.00	2.80	97.10	73	70.8
BF 21	A. Kennedy, Inc., New York	0.10	2.20	97.70	85	83.0
V 587	W. E. Marshall & Co., New York	0.10	10.10	89.90	48	43.1
S 264	B. F. Metcalf & Son, Syracuse	0.00	2.20	97.60	64	62.5
S 267	Northrup-King, Minneapolis, Minn.	0.20	1.00	99.00	58	57.4
S 121	Northrup-King, Minneapolis, Minn.	0.00	2.50	97.20	44	42.7
V 629	Randolph Seed Co., East Randolph	0.30	4.20	95.60	36	34.4
V 573	J. B. Rice Seed Co., Cambridge	0.20	4.60	95.40	63	60.2
BF 53	C. F. Saul, Syracuse	0.00	3.50	97.50	55	52.5
—	Stump & Walter Co., New York	0.00				
Parsnip						
S 234	American Seed Co., Detroit, Mich.	0.00	10.80	89.20	38	33.7
S 82	Anonymous	0.00	6.10	93.90	1	0.9
V 607	Binghamton Seed Co., Binghamton	0.00	6.00	94.00	20	18.8
S 156	A. J. Brown Seed Co., Grand Rapids, Mich.	0.00	10.40	89.60	76	68.0
S 208	Card Seed Co., Fredonia	0.00	13.70	86.30	2	1.7
S 247	Chautauqua Seed Co., Chautauqua	0.00	10.10	88.90	33	26.6
S 215	Dunkirk Seed Co., Dunkirk	0.00	20.80	79.20	2	1.5
V 646	F. H. Ebeling, Syracuse	0.00	6.00	94.00	69	64.8
S 189	Erie Seed Co., Fredonia	0.00	3.30	96.70	17	15.8
S 236	D. M. Ferry & Co., Detroit, Mich.	0.00	6.70	93.30	78	72.7
S 281	Forrest Seed Co., Cortland	0.00	8.80	91.20	8	7.2
S 31	Harvey Seed Co., Buffalo	0.00	1.00	99.00	88	87.1
S 261	Northrup-King Co., Minneapolis, Minn.	0.00	5.50	94.50	19	17.9
V 623	J. B. Rice Seed Co., Cambridge	0.00	4.70	95.30	44	41.9
V 577	C. F. Saul, Syracuse	0.00	5.30	94.70	29	27.4

*Percentage of pure seed x percentage of germination divided by 100.

in 1926 to carry the process somewhat farther and perform a complete purity analysis. There are given in Table 1 the results of the purity analyses of samples of celery, carrot, and parsnip seed, three of the more important kinds of seeds which are perhaps most often found unclean when in packets. When consulting this table, it should be borne in mind that aside from variety, "actual value" is a numerical figure which should represent the physical or approximate field value of the lot of seed. It involves both pure seed and viability, and is calculated by multiplying the percentage of pure seed obtained by the percentage of germination and dividing by 100. It will be noted that there is wide variation in the "actual values" of the various lots of seed tested. Purity analyses made upon miscellaneous packets in 1927 and 1928 show that, altho there has been an increase in price from 5 to 10 cents in many cases, there has been no appreciable increase in purity of the seed, a condition which is entirely inexcusable with the increased perfection of modern seed-cleaning machinery.

SIZE OF PACKET AND WEIGHT OF SEED

There was a very wide variation in the size of the packets and the weight of the contents, as will be seen by referring to the results given herewith. Very often a large size packet would contain only a relatively small amount of seed, while, on the other hand, some of the small packets contained a comparatively large amount of seed. Apparently, with some seedsmen at least, when dealing with any one particular variety of seed there is no close connection between price for which the packets are sold and the net weight of the seed put into the packet. Nor did the quality of the seed as shown by viability tests explain the difference, since often the smallest packets would give the lowest germination results. In quite a number of cases there has been an increase in price per packet during the past six years, but no appreciable increase in weight of contents.

PRICE OF PACKETS

The various seed packets collected were being sold at prices ranging from 50 cents for an 18-gram packet (equivalent to \$12.50 per pound) down to 1 cent per packet, and, also, there were collections of several kinds of seeds which sold for 10 cents per collection. In practically all instances, as indicated in Table 2, the price was stamped upon the packet, altho, this price was not in all cases strictly adhered to when the packet was sold. There were instances in which price cut-

ting was plainly evident. There would appear to be an increased tendency on the part of certain packeting houses to stamp the price upon the packet and that price is becoming more uniformly 10 cents per packet.

In connection with price, it can be said that it is to be considered only when comparing two lots of the same strain, variety, and kind of seed and then the amount of pure, live or viable seed is the all-important consideration. For instance, by referring to Table 2 it will be found that the most real value, granting that variety names are correct, in the Early Jersey Wakefield cabbage would be found in the packet of 4 grams with a germination of 80 per cent which sold for 5 cents. Packets of this cabbage were represented, however, varying from 7 grams for 5 cents with a germination of 0 up to as high as 3-gram packets selling for 20 cents and with a germination of 47 per cent. In like manner, there were packets of Golden Self-blanching celery weighing slightly over 0.5 gram with a germination of 50 per cent as compared with packets of 2 grams for 5 cents with a germination of 94 per cent. As pointed out elsewhere in this bulletin, there are "commission" packet seedsmen who are quite consistently placing the maximum amount of high quality vegetable seed in packets sold at a reasonable price.

VIABILITY OR ABILITY TO GERMINATE

One thing most noticeable when making the germination tests to determine the viability of the seeds was the marked difference in the manner in which the seeds in the various packets sprouted. Some of the seeds put to test would start to sprout promptly, showing a high percentage of vigorous, strong sprouts of even length. Other lots of seed would show only a few strong sprouts and in addition all degrees and lengths of sprouts down to those barely able to emerge from the seed. Such lots were usually the ones which tended rather quickly to become overgrown with a profuse growth of mold or fungi. Both of these types of seed might show a final percentage of germination which did not at all represent the actual value of the seed. The fact that some particular lots of seed showed a comparatively high percentage of germination under the more favorable conditions of the laboratory meant nothing because when these lots were planted in the field the resultant stand of plants was relatively and exceedingly small.

On the other hand, some lots of seed which showed a percentage below the arbitrary standard really gave a much more valuable crop. For example, one lot of carrot seed (No. B 36) which gave only 51 per cent germination gave far the most valuable crop of uniform, high quality roots when grown to maturity in the field.

All of the packets collected in 1927 were tested for germination in two quite different ways. In addition to the usual tests made in the regulation germination chambers, identical sets of 100 seeds each of the various lots were planted in the field at the proper time for such gardening operations. Fortunately, the plantings were made under ideal soil and weather conditions and the results may therefore be considered very indicative of what might be expected in practice under optimum conditions. The results of the two tests are given in Table 2 in the form of double figures, i. e., 92 (64) means that the percentage germinating in the chamber in the laboratory was 92, whereas in the field 64 per cent of the seeds gave normal seedlings and what appeared to be a typical field stand.

It has been stated by gardeners that the germination tests made under the favorable artificial conditions in the germination chamber do not closely approximate field performance. This appears to be particularly true when the lot of seed is unduly weak or lacks inherent vitality. That is, the weaker the lot of seed may be in terms of vitality the lower will its field performance be in terms of germination. Some gardeners feel that only soil or greenhouse tests are dependable. However, experience and comparisons have demonstrated that expert seed analysts may calibrate their judgment of the performance of sprouting seeds so as to closely approximate field results, or, in other words, a chamber test for viability can be interpreted in terms of actual field soil tests. In all doubtful cases, or with lots of seeds which are sensitive, a soil test should be made.

FREEDOM FROM DISEASE

One of the prime requisites of good seed is that it shall be free from disease. The 964 packets of vegetable seed comprising this investigation displayed all degrees of freedom from disease as shown at the time of making the test for viability. Many lots of these seeds gave clean, strong sprouts thruout the entire test period, while, on the other hand, many other lots showed unmistakable evidences of disease by molding profusely and very quickly after they were placed in the warm, moist atmosphere of the germinator. A number

of important plant diseases recognized and identified by plant pathologists were noted, each on its particular host seed or habitat.

It should be pointed out that in the estimation of the analysts doing the work of watching and reading these tests many of the packets of seed which were classified as "below the standard" but not classified as "unfit" or "worthless" for planting purposes were in fact of very questionable value because of their weakened, diseased condition. The experience of gardeners and experimenters has shown that any lot of seed which molds quickly in the germinator where very favorable conditions are present is of little value in the field or garden where more unfavorable conditions are normally presented.

VARIETAL PURITY

Viability, vitality, and mechanical purity of seed in packets must not be considered to the exclusion of other more important qualities such as variety. In laying entire stress on viability the value of breeding is ignored. The buyer of packet vegetable seed should be greatly concerned about the quality of the product it produces as considered under the gradations of variety, and more important to commercial vegetable growers, strain and stock.

Aside from a few casual plantings to confirm fairly obvious misrepresentations as to variety, no field trials were made from sealed packets of seed previous to the season of 1927, when, as previously described, plantings were made of each lot and plants from many of the kinds permitted to mature the crop in the field. The results gave rather conclusive evidence that, with the exception of some cabbage packets, one of which contained 8 per cent turnip seed, and possibly some of the tomato packets, there was no extensive misrepresentation as to variety in sealed packets as has been frequently intimated in popular literature. There were, however, very wide differences as to quality as considered under the gradations of strain and stock. For instance, the various packets of parsnip under the variety name of Hollow Crown produced roots of a great variety, and type of characters, varying from uniform roots typical of that variety to the most curiously misshapen roots of no real culinary value. The several packets of any one variety of radishes, beets, and carrots and other kinds likewise showed varying type characters, some of them producing only a few true to type specimens.

It should be stated in this connection that it was evident that there was sometimes more difference between two seedsmen's "strain"

of the same variety and kind of seeds than there was between two seedsmen's variety of the same kind of seed. The whole situation can best be summed up by saying that, so far as variety is concerned, it was quite evident that most of the packets were true to name—honest, but some of them very poor. Here, again, it should be pointed out that judging from the finished product, it was quite evident that the older, well-established, and better-known seedsmen merit the confidence placed in them and their seed packets. Some of the packeting houses have even gone to the point of printing the stock number upon the packets.

The seed law was amended, effective September 1, 1928, providing for trial grounds or control fields which will be utilized for planting and growing to maturity such packets and lots of seed about which there is uncertainty, looking forward to the idea that the home gardener who buys seeds in sealed packets is entitled to quality in the same sense as the commercial vegetable grower who buys in a different manner from bulk lots. The buyer of sealed packages is entitled to that invisible quality, the absence of which he has no means to detect until the packet is opened and the crop grown to maturity.

SEED LAW COMPLIANCE

The label requirements for vegetable seed which became a part of the so-called seed law in 1925 are very short, explicit, and should be complied with very easily. The intent of the law is to bring vegetable seed sales under inspection in order that seedsmen selling such seeds may be judged by what they sell, not by their good intentions or how they prepare their packets. The law does not in any way insure the buyer of the quality of product for which he bargains.

The value of the control of vegetable seed sales will depend very largely upon the type and extent of the inspections made, the number and distribution of samples collected, and the extent to which buyers make use of the printed information. All of the vegetable seed packets concerned in this bulletin were collected upon the open market since the label requirements became effective.

The label requirements for vegetable seeds are so short that it seems best to preface the following discussion on law compliance by giving in each case the exact text of the law (in italics) bearing upon each point:

"Section 140. Label requirements of vegetable seeds. Each separate container of vegetable seeds sold, offered, or exposed for sale within this

state for seeding purposes shall be clearly and plainly labeled in the English language as follows: 1. The kind of seed, and the variety."

The name of the kind of seed was given on each of the 964 packets. However, the variety name was lacking upon approximately 1 per cent of the packets.

"2. The year for which packeted or put up, using type not smaller than ten point."

The year for which the seed was packeted or put up was not indicated upon 18.5 per cent of the packets. There has been quite a marked evident contrast between the attitude or reactions of the various seedsmen to the requirement of the law that each packet should show the year packeted. Some of the seedsmen placed the year in large bold face type of proper size in a conspicuous place on the packet and even in some cases made this a talking point in favor of fresh seeds, while on the other hand other seedsmen did just the opposite by placing the year in small type even smaller than the legal size and upon the back side of the packet and often among other printed matter so that it could not be readily discovered unless one should search specifically for the information. A few seedsmen placed simply the numbers 26, or 28, for 1926 and 1928. This information is required by law as a practical substitute for a statement of germination. It has been repeatedly argued by seedsmen that viability is an elusive value with packeted vegetable seeds and that a statement of germination may not carry the full information that it should. Also, that stock or strain is of more importance than viability figures and to feature mere germination figures places that item out of proportion to other important values inherent in the seed stock. This provision for stamping the year upon the packets prevents the holding over from year to year of old seed and packets until they are all sold as has been done in the past in some instances. It is to every buyer's advantage to note the year indicated upon vegetable seed packets since that precaution at least guards against old stock and ensures that at least the packet was recently filled with seed about which the packeter should have knowledge.

"3. The name and address of the person or firm who put up or packeted the seeds and labeled the same."

The name of the person or firm who put up and packeted the 946 packets was not given on 5.1 per cent of them. The law requires that the source of the seed to that extent be identified, and to that end the packeter be judged by his identified offerings. No unidentified seed stock should be accepted by the buyer.

TABLE 2.—QUALITY OF VEGETABLE SEEDS SOLD IN PACKETS IN NEW YORK IN 1926, 1927, AND 1928

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
J. & T. Adikes, Jamaica, L. I.						
BF 9-1926	Cabbage, Chinese.....	1925	3		13	B, unfit
BF 4-1926	Carrot.....	1925	26		39	B
BF 5-1926	Celery, Knob.....	1925	2		82	A
BF 8-1926	Cucumber.....	1925	5	10	93	A
BF 2-1926	Kohl Rabi, White Vienna	1925	4		88	A
BF 1-1926	Lettuce, Salamander.....	1925	5	10	91	A
BF 5-1926	Radish.....	1926	12		45	B
BF 3-1926	Spinach, Thick Leaf.....		26		57	B
BF 7-1926	Squash, Boston Marrow	1925	25	25	0	Worthless
BF 6-1926	Tomato, Favorite.....	1925	1		22	B
BF 11-1926	Turnips, White Globe.....	1926	26	15	82	A
American Seed Company, Detroit, Mich.						
S 58-1928	Beans, Dwarf Early Red Valentine.....	1928	88	10	44	B
S 235-1926	Beet, Early Blood.....	1926	6	5	72	A
S 226-1926	Carrot, Danvers Half Long.....	1926	4	5	41	B
S 54-1928	Carrot, Oxheart.....	1928	4		55	B
S 227-1926	Celery, Golden Self Blanching.....	1926	0.7	5	50	B
S 231-1926	Cucumber, Improved Long Green.....	1926	3	5	86	A
S 47-1928	Cucumber, Improved Long Green.....	1928	3		60	B
S 52-1928	Lettuce, Grand Rapids.....	1928	3		66	B
S 49-1928	Iceberg, Lettuce.....	1928	4		74	B
S 228-1926	Onion, Bunching.....	1926	3	5	72	B
S 48-1928	Onion, Large Red Wethersfield.....	1928	3		23	Unfit
S 229-1926	Onion, Yellow Globe Danvers.....	1926	3	5	16	Unfit
S 230-1926	Parsley, Turnip Rooted, or Hamburg.....	1926	3	5	70	A
S 55-1928	Parsnip, Long Hollow Crown.....	1928	10	6	18	B, low value
S 234-1926	Parsnip, Long White Dutch, Hollow Crown.....	1926	3	5	38	B

TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
	Anonymous. No Company Name Given—Con't.					
S 82-1926	Parsnips, Hollow Crown.....		2		1	B
S 78-1926	Peas, Premium, Little Gem.....		10		16	Worthless
S 79-1926	Peas, Telephone.....		10		2	Worthless
S 79-1926	Peas, Telephone.....		10		10	Worthless
S 79-1926	Peas, Telephone.....		10		16	Worthless
S 80-1926	Peppers, Bell, or Bull Nose.....		1		0	Worthless
S 81-1926	Peppers, Sweet Mountain.....		1		0	Worthless
S 83-1926	Pumpkins, Sugar.....		1		0	Worthless
S 84-1926	Squash, Hubbard.....		2		10	B
S 84-1926	Squash, Hubbard.....		1		42	B
S 85-1926	Squash, Summer Golden Crookneck.....		1		38	B
S 67-1926	Sweetcorn, Cory.....		10		40	B
S 68-1926	Sweetcorn, Country Gentleman.....		10		24	B, unfit
S 68-1926	Sweetcorn, Country Gentleman.....		10		7	Worthless
S 69-1926	Sweetcorn, Golden Bantam.....		10		7	Worthless
S 86-1926	Tomato, Atlantic Prize.....		8		70	B
S 87-1926	Tomato, Beauty.....		1		82	A
S 88-1926	Tomato, Earliana.....		1		80	A
S 88-1926	Tomato, Earliana.....		1		78	A
S 89-1926	Tomato, The Stone.....		1		94	A
S 90-1926	Turnips, Early White Flat Dutch.....		5		0	Worthless
S 91-1926	Turnips, Purple Top Strap Leaf.....		2		0	Worthless
S 91-1926	Turnips, Skirving's Ruta Baga Purple Top.....		2		0	Worthless
S 92-1926	Turnips, Skirving's Ruta Baga Purple Top.....		2		0	Worthless
S 93-1926	Turnips, White Swede or Russian.....		2		0	Worthless
	The W. W. Barnard Company, Chicago, Ill.					
S 94-1926	Beans, Golden Wax, Dwarf.....		12	5	88	A
S 94-1926	Beans, Stringless Green Pod.....		22	5	66	B
S 102-1926	Beets, Early Blood Turnip.....		8	5	49	B

TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
	Binghamton Seed Company, Binghamton					
V 606-1926	Beets, Crosby's Egyptian	1926	12	10	83	A
V 603-1926	Cabbage, Early Jersey	1926	8	10	87	A
V 605-1926	Cucumber, Long Green	1926	10	10	95	A
V 602-1926	Lettuce, Improved Hanson	1926	13	10	98	A
V 607-1926	Parsnips, Hollow Crown	1926	10	10	25	B
V 604-1926	Pumpkin, Small Sugar or Pie	1926	10	10	85	A
V 608-1926	Radish, Early Scarlet Turnip	1926	12	10	92	A
V 609-1926	Ruta Baga, White	1926	13	10	2	Worthless
V 610-1926	Spinach, New Zealand		8	10	95	A
V 601-1926	Squash, True Hubbard	1926	12	10	86	A
	Briggs Bros. Co., Rochester					
S 95-1927	Beans, Burpees Dwarf Bush Lima		30	5	0	Worthless
S 91-1927	Beet, Dark Red Egyptian Turnip		11	5	16 (2)	Unfit, weak
S 93-1927	Beet, Long Dark Red		12	5	2 (0)	Worthless
S 94-1927	Beet, Long Dark Red		11	5	3 (1)	Worthless
S 96-1927	Extra Early Red Turnip		17	5	65 (38)	B
S 86-1927	Cabbage, True Early Jersey Wakefield		7	5	0	Worthless
70-1927	Carrot, Long Orange		8	5	0	Worthless
71-1927	Carrot, Danvers Half Long		8	5	0	Worthless
90-1927	Carrot, Early Scarlet Short Horn		8	5	0	Worthless
75-1927	Celery, Golden Heart or Dwarf		1	5	0	Worthless
76-1927	Cucumber, Early Green Prolific		7	5	0	Worthless
77-1927	Cucumber, Early Green Cluster		11	5	57 (19)	B
92-1927	Kohl Rabi, Large Purple		7	5	3 (0)	Worthless
74-1927	Lettuce, Solid Headed Yellow		6	5	0	Worthless
75-1927	Lettuce, Hanson		6	5	0	Worthless

TABLE 2.—CONTINUED.

INSPECTION No. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
	Alfred J. Brown Seed Company, Con't.					
140-1927	Onions, Large Red Wethersfield.....		3	5	70 (39)	B
S 156-1926	Parsnips, Long Smooth Hollow Crown.....	1926	6	5	76	A
138-1927	Parsnips, Long Smooth Hollow Crown.....	1927	8		65 (22)	A
146-1927	Peas, Little Marvel.....		124		71 (71)	B
145-1927	Peas, McLeans Little Gem.....		124		85 (47)	A
144-1927	Peas, Telephone.....		128		23 (16)	B, low value
V 640-1926	Peppers, Large Bell or Bull Nose.....		1	5	80	A
V 638-1926	Radish, Black Spanish.....		12	5	86	A
142-1927	Radish, Early Scarlet Top White Tip.....	1927	10		73 (41)	B
S 152-1926	Radish, French Breakfast.....	1926	8		52	B
S 149-1926	Radish, White Icicle.....	1926	8	5	83	B
S 153-1926	Ruta Baga, American Purple.....	1927	8	5	46	B
S 162-1926	Ruta Baga, American Purple.....	1927	10	5	51	B
S 154-1926	Salsify, Mammoth Sandwich Island.....	1926	1	5	70	A
V 635-1926	Salsify, Mammoth Sandwich Island.....	1928	1	5	94	A
V 632-1926	Salvia.....	1927	1	5	70	A
V 631-1926	Squash, Hubbard.....	1928	6	5	30	B
147-1927	Sweetcorn, Golden Bantam.....		124		77 (47)	B
135-1927	Tomato, Ponderosa.....	1927	1	5	93 (42)	A
S 160-1926	Tomato, Stone.....	1927	1	5	81	A
V 637-1926	Turnips, Purple Top White Globe.....	1928	12	5	38	B
	Burnett Bros., New York City					
B 120-1927	Beet, Early Blood Turnip.....	1927	4		87 (85)	A
B 123-1927	Cabbage, Early Jersey Wakefield.....	1927	2		90 (45)	A
B 126-1927	Carrot, Danvers Half Long.....	1927	5		63 (29)	B
B 127-1927	Cucumber, Perfect White Spine.....	1927	4		98 (52)	A
B 129-1927	Kohl Rabi, Early White Vienna.....	1927	4		92 (64)	A
B 125-1927	Lettuce, Big Boston.....	1927	4		99 (37)	A
B 124-1927	Onion, White Globe.....	1927	3	5	85 (59)	A

		1927	380		78 (69) 31 (11) 33 88 (62)	B B, weak B A
B 119-1927	Peas, Telephone.....	1927	380			
B 128-1927	Radish, French Breakfast.....	1927	7			
B 103-1927	Spinach, Bloomsdale.....	1927	14			
B 121-1927	Swiss Chard.....	1927	4			
W. D. Burt Co., Dalton						
S 308-1926	Beans, Golden Wax.....	1926	144	15	89	A
S 304-1926	Beets, Blood Turnip.....	1926	12	10	80	A
S 296-1926	Beets, Swiss Chard.....	1926	3		88	A
S 299-1926	Cabbage, Drumhead.....	1926	5		27	B, low value
S 300-1926	Cabbage, Early Winningstadt.....	1926	5		38	B, low value
S 301-1926	Carrot, Long Orange.....	1926	4		61	B
S 297-1926	Celery, Golden Heart.....	1926	3		29	B
S 294-1926	Celery, Golden Self Blanching.....	1926	3		35	B
S 295-1926	Celery, White Plume.....	1926	2		47	B
S 302-1926	Cucumber, Chicago Pickling.....	1926	2		98	A
S 289-1926	Lettuce, Big Boston.....	1926	5		42	B
S 290-1926	Lettuce, Prize Head.....	1926	4		62	B, weak seed
S 291-1926	Onions, White.....	1926	1		76	A
S 298-1926	Onions, Yellow Globe Danvers.....	1926	1	5	78	A
S 305-1926	Peas, Early Alaska.....	1926	140	15	98	A
S 286-1926	Peppers, Large Bell.....	1926	1		95	A
S 288-1926	Radish, Icicle.....	1926	4	70	70	B
S 289-1926	Radish, Long Scarlet.....	1926	4		88	A
S 293-1926	Salsify, Mammoth.....	1926	5		12	B, unfit
S 307-1926	Sweetcorn, Evergreen.....	1926	126	15	84	A
S 306-1926	Sweetcorn, Golden Bantam.....	1926	102	15	30	B
S 285-1926	Tomato, Golden Queen.....	1926	1		86	A
S 303-1926	Turnips, Purple Top.....	1926	6		66	B
Burt's Sunrise Collection†						
S 59-1928	Beans, Golden Wax.....	1928	3		99	A, seven seeds
S 59-1928	Beets, Eclipse.....	1928	2		82	A
S 59-1928	Cabbage, Drumhead.....	1928	0.3		47	B, molded
S 59-1928	Carrot, Early.....	1928	0.2		72	A

*Figures in parenthesis are for field test.

†A =above standard; B =below standard.

†† Twelve samples taken from a sealed packet which was reported as being sold for 10 cents and labeled as "Sunrise Collection of Choice Vegetable Seeds."

TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
Burt's Sunrise Collection;—Con't.						
S 59-1928	Cucumber, Improved Long Green	1928	1		99	A
S 59-1928	Muskmelon, Early	1928	1		63	B, molded
S 59-1928	Onions, Yellow Globe Danvers	1928	0.5		0	Worthless
S 59-1928	Peas, Early	1928	14		75	B
S 59-1928	Radish, White Tipped	1928	1		56	B, weak
S 59-1928	Sweetcorn, Early Crosby	1928	5		90	A
S 59-1928	Tomato, Early	1928	0.4		68	B
S 59-1928	Watermelon, Flesh Bright Scarlet	1928	2		28	B
Card Seed Co., Fredonia						
S 204-1926	Beans, Golden Wax	1926	12	10	88	A
121-1927	Beans, Golden Wax	1927	20		71	B
119-1927	Beans, Large White Pole Lima	1927	25		60	B
S 201-1926	Beets, Detroit Dark Red	1926	8	10	69	B
S 120-1927	Beets, Early Red Turnip	1927	4		58 (38)	B
S 115-1927	Cabbage, Danish Ballhead	1927	4		28 (19)	Unfit, mixed
S 210-1926	Carrot, Danvers Half Long	1926	6	10	67	B
113-1927	Carrot, Danvers Half Long	1927	5		51 (27)	B
S 202-1926	Kohl Rabi, Early White Vienna	1926	3	10	99	A
117-1927	Lettuce, Hanson	1927	5		98 (51)	A
S 208-1926	Parsnips, Hollow Crown	1926	5	10	2	Worthless
122-1927	Peas, Gradus	1927	112	15	74 (40)	B
112-1927	Radish, Early Red Turnip	1927	5		80 (41)	B
S 205-1926	Radish, Early Red Turnip	1926	8	10	40	B, low value
118-1927	Sweetcorn, Early Evergreen	1927	18		94 (86)	A
S 207-1926	Sweetcorn, Golden Bantam	1926	22	10	96	A
S 206-1926	Tomato, Livingstons Beauty	1926	1	10	89	A
S 209-1926	Turnip, Purple Top White Globe	1926	10	10	74	B

Chautauqua Seed Co., Dunkirk

S 250-1926	Beans, Burpee's Stringless.....	1926	18	5	68	B
S 243-1926	Beans, Golden Wax.....	1926	21	5	80	B
S 245-1926	Beans, Kentucky Wonder.....	1926	18	5	60	B
S 251-1926	Beets, Detroit Dark Red.....	1926	8	5	75	A
S 242-1926	Beets, Swiss Chard.....	1926	4	5	91	A
S 255-1926	Cabbage, Mammoth Rock Red.....	1926	4	5	44	B
S 246-1926	Carrot, Danvers Half Long.....	1926	4	5	73	B
110-1927	Carrot, Oxheart.....	1927	4		2	Worthless
108-1927	Cauliflower, Henderson's Snowball.....	1927	0.8		28 (5)	B, low value
S 253-1926	Celery, Pascal.....	1926	2	5	91	A
S 244-1926	Cucumber, Boston Pickling.....	1926	5	5	97	A
111-1927	Cucumber, Improved White Spine.....	1927	6		34 (23)	B
106-1927	Lettuce, Grand Rapids.....	1927	6		68 (17)	B
S 248-1926	Lettuce, Hanson.....	1926	4	5	50	B
S 252-1926	Onion, Danvers Yellow Globe.....	1926	2	5	26	B
S 247-1926	Parsnips, Hollow Crown.....	1926	1	5	33	B
104-1927	Radish, Chartier.....	1927	7		60 (32)	B
2608-1927	Radish, Early Scarlet Globe.....	1927	7		96 (78)	A
107-1927	Spinach, Victoria.....	1927	6		0	Worthless
105-1927	Sweetcorn, Golden Bantam.....	1927	13	5	90 (56)	A
S 249-1926	Tomato, Chalks Early Jewel.....	1926	1	5	95	A

Checker Seed Co., Randolph

S 141-1926	Beans, Golden Wax.....	1926	26	10	90	A
S 144-1926	Beets, Improved Blood Turnip.....	1926	8	10	87	A
S 140-1926	Beets Swiss Chard.....	1926	9	10	80	A
S 137-1926	Carrot, Danvers Half Long.....	1926	4	10	75	A
S 139-1926	Endive, Broad Leaved Escarolle.....	1926	5	10	50	B
S 142-1926	Lettuce, Grand Rapids.....	1926	5	10	77	A
S 138-1926	Parsley, Hamburg or Turnip Rooted.....	1926	5	10	60	A
S 145-1926	Radish, French Breakfast.....	1926	8	10	27	B
S 143-1926	Sweetcorn, Golden Bantam.....	1926	20	10	68	B
S 146-1926	Turnips, Purple Top Strap Leaf Flat.....	1926	6	10	87	A

*Figures in parenthesis are for field tests.

†A = above standard; B = below standard.

†Twelve samples taken from a sealed packet which was reported as being sold for 10 cents and labeled as "Sunrise Collection of Choice Vegetable Seeds."

TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
John Lewis Childs, Floral Park						
501-1928	Beans, Fordhook Lima.....	1928	73	10	62	B
500-1928	Beets, Child's Early Wonder.....	1928	5	10	83	A
B 112-1927	Carrot, Extra Early Coreless.....	1927	4	15	84 (41)	A
502-1928	Cauliflower, Child's Dry Weather.....	1928	1	25	72	A
B 108-1927	Lettuce, Big Boston.....	1927	5	94	94	A
B 109-1927	Muskmelon, Improved Rocky Ford.....	1927	3	10	88 (50)	A
B 114-1927	Peas, Alderman.....	1927	60	10	97 (75)	A
B 113-1927	Peas, Gradus or Prosperity.....	1927	60	10	90 (54)	A
B 115-1927	Peas, Laxtonian.....	1927	57	10	94 (75)	A
B 110-1927	Radish, Improved French Breakfast.....	1927	6	10	80 (38)	A
B 117-1927	Sweetcorn, Golden Bantam.....	1927	58	10	71 (20)	B
B 118-1927	Sweetcorn, Howling Mob.....	1927	64	10	83 (54)	A
503-1928	Sweetcorn, Howling Mob.....	1928	70	10	72	B
B 116-1927	Sweetcorn, Stowells Evergreen.....	1927	56	10	82 (69)	A
B 111-1927	Tomato, Select Stone.....	1927	1	10	91 (48)	A
Crosman Seed Co., East Rochester						
S 208-1928	Beans, Dwarf Golden Wax.....	1928	42	10	84	B
S 18-1926	Beets, Detroit Dark Red.....	1926	10	5	73	A
V 702-1928	Beets, Detroit Dark Red.....	1928	10	10	76	A
S 212-1928	Beets, Detroit Dark Red.....	1928	8	10	78	A
S 17-1926	Beets, Early Blood Turnip.....	1926	10	5	82	A
S 14-1926	Cabbage, Premium Late Flat Dutch.....	1926	4	5	34	B
S 201-1928	Cabbage, Premium Late Flat Dutch.....	1928	4	5	70	B
S 15-1926	Cabbage, Early Drumhead.....	1926	3	5	31	B
S 13-1926	Cabbage, Early Dwarf Flat Dutch.....	1926	3	5	35	B
S 22-1926	Cabbage, Early Jersey Wakefield.....	1926	3	5	79	B
S 16-1926	Cabbage, Early Summer.....	1926	4	5	17	B, unfit

V 704-1928	Carrot, Early Scarlet Short Horn.....	1928	5	10	55
S 23-1926	Carrot, Improved Long Orange.....	1926	5	5	44
S 11-1926	Cauliflower, Early Snowball.....	1926	1	10	32
V 705-1928	Cucumber, Boston Pickling.....	1928	10	10	96
S 203-1928	Cucumber, Boston Pickling.....	1928	7	10	97
S 89-1926	Egg Plant, Improved New York Purple.....	1926	1	10	30
V 701-1928	Egg Plant, Improved New York Purple.....	1928	2	10	53
S 205-1928	Egg Plant, Improved New York Purple.....	1928	2	10	59
S 10-1928	Endive, White Curled.....	1926	2	10	46
S 2-1926	Lettuce, Early Curled Simpson.....	1926	4	5	99
V 706-1928	Lettuce, Early Prize Head.....	1928	3	10	78
S 5-1926	Muskmelon, Rocky Ford.....	1926	6	10	67
S 8-1926	Onion, Yellow Globe Danvers.....	1926	4	10	32
S 210-1928	Onion, Yellow Globe Danvers.....	1928	5	10	62
V 703-1928	Onion, White Portugal.....	1928	6	10	60
S 204-1928	Peas, Alaska.....	1928	38	10	88
S 206-1928	Radish, Early Long Scarlet.....	1928	7	10	77
S 12-1926	Radish, Early Round Deep Scarlet.....	1926	8	10	56
V 709-1928	Radish, French Breakfast.....	1928	7	10	65
S 21-1926	Ruta Baga, American Purple Top.....	1926	8	5	31
S 209-1928	Ruta Baga, American Purple Top.....	1928	8	5	35
V 700-1928	Ruta Baga, American Purple Top.....	1928	9	10	23
S 7-1926	Salsify, Vegetable Oyster.....	1926	3	10	66
S 207-1928	Salsify, Vegetable Oyster.....	1928	5	10	28
S 6-1926	Squash, Improved Hubbard.....	1926	7	10	30
V 707-1928	Sweetcorn, Extra Early Golden Bantam.....	1928	35	10	72
S 202-1928	Sweetcorn, Extra Early Golden Bantam.....	1928	36	10	94
S 211-1928	Swiss Chard, Beet Lucullus.....	1928	9	10	62
V 708-1928	Tomato, Chalks Early Jewel.....	1928	2	10	60
S 3-1926	Tomato, New Stone.....	1926	1	5	74
S 4-1926	Tomato, Acme.....	1926	1	5	92
S 19-1926	Turnips, Early White Flat Dutch.....	1926	8	5	36
S 20-1926	Turnips, Purple Top Strap Leaf.....	1926	11	5	47
S 200-1928	Watermelon, Monte Cristo.....	1928	8	5	60
S 1-1926	Watermelon, Tom Watson.....	1926	7	5	66

*Figures in parenthesis are for field tests.

†A = above standard; B = below standard.

TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR," PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
Dunkirk Seed Co., Dunkirk						
S 214-1926	Kale, Dwarf.....		4	5	28	B, unfit
S 211-1926	Kale, Dwarf.....		4	5	53	B
S 213-1926	Onions, Bunching.....		4	5	37	B
S 215-1926	Parsnips, Large White Dutch.....		4	5	2	Worthless
S 212-1926	Radish.....		6	5	41	B, low value
F. H. Ebeling, Syracuse						
V 645-1926	Beets, Crosbys Egyptian.....	1926	12		81	A
V 642-1926	Carrot, Chantenay.....	1926	8		80	A
V 669-1927	Carrot, Danvers Half Long.....	1927	9	10	58	B
V 665-1927	Cabbage, Red Rock.....	1927	5	10	55	B
V 666-1928	Cucumber, Davis Perfect.....	1927	10	10	95	A
V 644-1926	Cucumber, Early Cluster.....	1926	10		83	A
V 641-1926	Endive, Green Curled.....	1926	7		75	A
V 643-1926	Lettuce, Iceberg.....	1926	8		98	A
V 644-1927	Lettuce, May King.....	1927	8		80	A
V 661-1927	Onion, Red Wethersfield.....	1927	10	10	91	A
V 662-1927	Onion, Southport White Globe.....	1927	10	10	36	A
V 650-1926	Onion, Yellow Globe Danvers.....	1926	7		84	A
V 646-1926	Parsnips, Hollow Crown.....	1926	8		69	A
V 648-1926	Radish, French Breakfast.....	1926	12		88	A
V 663-1927	Radish, Long Black Spanish.....	1927	12	10	92	A
V 670-1927	Salsify, Mammoth Sandwich Island.....	1927	7	10	80	A
V 649-1926	Spinach, King of Denmark.....	1926	12		75	A
V 668-1927	Spinach, King of Denmark.....	1927	12	10	77	A
V 647-1926	Turnips, White Sweet Waldo.....	1926	8		6	Unft
V 667-1927	Turnips, White Sweet Waldo.....	1927	12	10	5	Unft

Erie Seed Co., Fredonia

S 198-1926	Beans, Golden Wax.....	1926	27	10	79	A
S 188-1926	Beans, King of the Garden (Pole).....	1926	16	5	93	A
S 199-1926	Beans, Valentine.....	1926	26	10	98	A
S 197-1926	Beets, Egyptian Blood Turnip.....	1926	8	10	73	A
S 192-1926	Cabbage, Savoy.....	1926	2	5	26	B, unfit
S 185-1926	Carrot, Long Orange.....	1926	5	5	35	B, low value
S 190-1926	Celery, Grand Pascal.....	1926	1	5	4	Worthless
S 195-1926	Kohl Rabi, Early White Vienna.....	1926	3	5	47	B
S 187-1926	Lettuce, May King.....	1926	3	5	84	A
S 186-1926	Lettuce, Prizehead.....	1926	3	5	69	A
S 189-1926	Parsnips, Hollow Crown.....	1926	2	5	17	B, low value
S 194-1926	Radish, Chartier.....	1926	5	5	68	B
S 193-1926	Radish, Long Black Spanish.....	1926	4	5	94	A
S 184-1926	Ruta Baga, White Swede Turnip.....	1926	3	5	26	B, low value
S 183-1926	Spinach, Bloomsdale.....	1926	3	5	60	B
S 200-1926	Sweetcorn, Fredonia Evergreen.....	1926	20	10	43	B
S 196-1926	Sweetcorn, Golden Bantam.....	1926	22	10	90	A
S 182-1926	Tomato, Chalks Jewel.....	1926	1	5	68	B
S 191-1926	Turnips, White Globe.....	1926	2	5	15	B, low value

D. M. Ferry & Co., Detroit, Michigan

V 620-1926	Beets, Crosby's Egyptian.....	1926	12	10	87	A
S 237-1926	Beets, Crosby's Egyptian.....	1926	10		76	B
V 619-1926	Cabbage, Copenhagen Market.....	1926	6	10	69	B
S 238-1926	Cabbage, Mammoth Rock Red.....	1926	6		68	B
V 618-1926	Cauliflower, Early Snowball.....	1926	1	10	65	B
V 617-1926	Cucumber, Early Short Green.....	1926	8	10	83	A
S 239-1926	Cucumber, Early White Spine.....	1926	8		76	B
V 616-1926	Endive, Moss Curled.....	1926	6	10	84	A
V 615-1926	Lettuce, Mammoth Black Seeded Butter.....	1926	5	10	88	A
S 240-1926	Onions, Large Red Wethersfield.....	1926	6		63	A
V 613-1926	Parsley, Champion Moss Curled.....	1926	5	10	40	B
S 236-1926	Parsnips, Hollow Crown.....	1926	8		78	A
V 612-1926	Peppers, Large Bell or Bull Nose.....	1926	1	10	33	B
S 241-1926	Sweetcorn, Early or Sugar.....	1926	58	10	88	A
V 611-1926	Turnips, Purple Top White Globe.....	1926	9	10	69	B
V 614-1926	Watermelon, Harris Earliest.....	1926	9	10	80	A

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TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"Year" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
The Forrest Seed Co., Inc., Cortland						
S 279-1926	Beans, Improved Golden Wax	1926	36	5	88	A
S 282-1926	Beets, Early Blood Turnip	1926	6	5	79	A
S 280-1926	Beets, Swiss Chard	1926	6	5	86	A
S 275-1926	Cabbage, Late Flat Dutch	1926	3	5	81	A
V 562-1926	Cabbage, North King	1926	6	5	93	A
S 283-1926	Carrot, Danvers Half Long	1926	5	5	85	A
V 567-1926	Carrot, Early French Forcing	1926	8	5	55	B
V 561-1926	Cauliflower, Danish Giant	1926	1	10	42	B
V 570-1926	Celery, Golden Self-Blanching	1926	1	5	51	B
V 569-1926	Cucumber, Early White Spine	1926	8	5	89	A
S 278-1926	Lettuce, Simpson's Early Curled	1926	6	5	83	A
V 563-1926	Lettuce, Early Curled Simpson	1926	8	5	98	A
S 281-1926	Parsnips, Hollow Crown	1926	3	5	8	Worthless
V 568-1926	Peppers, Red Cayenne	1926	1	5	60	A
V 564-1926	Radish, California Mammoth White	1926	8	5	15	Unft
S 276-1926	Radish, Early Scarlet Turnip	1926	6	5	68	B
S 284-1926	Tomato, Earliana	1926	1	5	61	B
V 565-1926	Tomato, Sparks Earliana	1926	1	5	85	A
V 566-1926	Turnips, Early Snowball	1926	12	5	22	B, low value
S 277-1926	Turnips, Purple Top Strap Leaf	1926	8	5	74	B
Fredonia Seed Co., Fredonia						
64-1927	Beans, Early Red Valentine	1927	110	15	95 (92)	A
S 224-1926	Beans, Improved Red Valentine	1926	17	10	97	A
65-1927	Beans, Kentucky Wonder	1927	116	15	98 (85)	A
S 225-1926	Beets, Blood	1926	6	10	71	A
S 220-1926	Carrot, Improved Long Orange	1926	6	10	68	B
S 217-1926	Lettuce, Early Curled Simpson	1926	4	10	97	A

S 218-1926	Onions, Yellow Globe Danvers.	1926	2	10	72	A
S 63-1927	Peas, Alaska.	1927	112	15	98 (81)	A
S 66-1927	Peas, Early Gradus.	1927	96	15	98 (81)	A
S 67-1927	Peas, Telephone.	1927	96	15	90 (59)	A
S 216-1926	Radish, Long Black Spanish.	1926	8	10	64	B
S 223-1926	Radish, Long Globe White Top.	1926	7	10	77	B
S 221-1926	Radish, Scarlet Globe White Top.	1926	6	10	62	B
S 221-1926	Spinach, Long Standing.	1926	18	10	95	A
S 219-1926	Sweetcorn, Stowells Evergreen.	1926	1	10	81	A
S 223-1926	Tomato, Sparks Earliana.	1926	1	10		A
A. W. Gilman, Rochester						
S 23-1928	Beans, Green Pod.	1928	94	10	97	A
S 25-1928	Beets.	1928	11	10	81	A
S 30-1928	Carrot.	1928	10	10	59	B
S 32-1928	Cucumber, Long Green.	1928	12	10	88	A
S 26-1928	Lettuce.	1928	16	10	97	A
S 28-1928	Onion.	1928	11	10	95	A
S 29-1928	Parsnip.	1928	6	10	85	A
S 27-1928	Radish.	1928	17	10	94	A
S 31-1928	Swiss Chard.	1928	7	10	85	A
S 24-1928	Turnip, Purple Top Globe.	1928	19	10	99	A
Hart & Vick, Rochester						
S 17-1928	Beans, Improved Rustless Golden Wax.	1928	41	10	75	B
S 11-1928	Beans, Burpee Bush Lima.	1928	44	10	77	B
S 16-1928	Cabbage, H. & V. Special Chinese.	1928	2	10	96	A
S 14-1928	Cucumber, Deltus.	1928	4	10	56	B
S 15-1928	Lettuce, Big Boston Large Head.	1928	5	10	90	A
S 18-1928	Onion, Prizetaker.	1928	5	10	96	A
S 20-1928	Parsnip, Long Hollow Crown.	1928	5	10	65	A
S 22-1928	Radish, Sparkler.	1928	11	10	95	A
S 21-1928	Spinach, Princess Juliana.	1928	4	10	86	A
S 13-1928	Sweetcorn, Golden Bantam.	1928	42	10	69	B
S 12-1928	Sweetcorn, Stowells Evergreen.	1928	34	10	78	B
S 19-1928	Tomato, John Baer.	1928	3	10	76	A

*Figures in parenthesis are for field tests.

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TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
	Harvey Seed Company, Buffalo					
S 55-1926	Artichoke, Large Green	1926	2		80	A
S 49-1926	Beans, Golden Wax	1296	40		96	A
S 50-1926	Beans, Kentucky Wonder	1926	36		88	A
S 51-1926	Beans, Large Bush Lima	1926	32		91	A
—1926	Beans, Refugee, or 1000 to 1	1926	46		91	A
S 48-1926	Beets, Eclipse	1926	4		79	A
S 47-1926	Beets, Detroit Dark Red	1926	4		88	A
S 43-1926	Carrot, Chantenay	1926	4		76	A
S 44-1926	Carrot, Coreless	1926	4		86	A
S 45-1926	Carrot, Danvers Half Long	1926	4		71	A
S 46-1926	Carrot, Oxheart	1926	4		59	B
S 53-1926	Cauliflower	1926	0.5		91	A
S 54-1926	Celery, Golden Self Blanching	1926	2		82	A
S 39-1926	Cress, Curled or Peppergrass	1926	3		97	A
S 37-1926	Cucumber, Early White Spine	1926	5		90	A
S 38-1926	Cucumber, Improved Long Green	1926	3		85	A
S 36-1926	Onion, Yellow Globe Danvers	1926	1		72	A
S 35-1926	Onion, Large Red Wethersfield	1926	2		60	A
S 32-1926	Parsley, Double Curled	1926	3		64	A
S 33-1926	Parsley, Hamburg or Rooted	1926	3		40	B
S 34-1926	Parsley, Plain	1926	4		56	B
S 31-1926	Parsnip, Hollow Crown	1926	3		88	A
S 28-1926	Peas, American Wonder	1926	42		60	B
S 29-1926	Peas, McLeans Little Gem	1926	46		95	A
S 30-1926	Peas, Telephone	1926	44		86	A
S 27-1926	Ruta Baga, Purple Top Yellow	1926	5		99	A
S 40-1926	Sweetcorn, Crosbys	1926	28		92	A
S 42-1926	Sweetcorn, Stowells Evergreen	1926	28		90	A
S 41-1926	Sweetcorn, Golden Bantam	1926	30		49	B, weak
S 26-1926	Tomato, Ponderosa	1926	1		94	A
S 25-1926	Tomato, June Pink	1926	1		92	A
S 24-1926	Watermelon, Mountain Sweet	1926	3		90	A

Peter Henderson & Co., New York City			
28-1927	Beans, Bountiful Bush.....	1927	86
26-1927	Beans, Bush Lima.....	1927	150
BF	Beets, Early Blood Turnip.....	1926	6
23-1927	Beets, Early Blood Turnip.....	1927	30
BF	Cabbage, Late Flat Dutch.....	1926	3
22-1927	Cabbage, Late Flat Dutch.....	1927	30
BF	Carrot, Long Orange Improved.....	1926	6
21-1927	Carrot, Long Orange Improved.....	1927	30
BF	Celery, Golden Dwarf.....	1926	2
BF	Cucumber, Extra Early Green Prolific.....	1926	6
19-1927	Cucumber, The "Henderson".....	1927	30
BF	Kale, Dwarf Green Curled Scotch.....	1927	4
20-1927	Kale, Siberian.....	1927	5
BF	Lettuce, Early Curled Simpson.....	1926	4
18-1927	Lettuce, New York.....	1927	4
BF	Muskmelon, Rocky Ford.....	1926	6
39-1926	Muskmelon, Rocky Ford.....	1927	31
BF	Onion, Large Red Wethersfield.....	1926	4
40-1926	Onion, Prizetaker.....	1927	30
BF	Parsley, Extra Double Curled.....	1927	6
27-1927	Peas, Dwarf Telephone.....	1927	70
BF	Radish, Early Round Dark Red.....	1926	7
13-1927	Radish, White Tip Early Scarlet Turnip.....	1927	31
30-1926	Salsify, Mammoth Sandwich Island.....	1926	3
BF	Salsify, Mammoth Sandwich Island.....	1927	34
14-1927	Spinach, King of Denmark.....	1927	31
10-1927	Squash, White Bush Scallop.....	1926	6
BF	Sweetcorn, Hendersons New Cupid.....	1927	30
25-1927	Swiss Chard.....	1927	30
24-1927	Tomato, Earliana.....	1927	2
11-1927	Tomato, Stone.....	1926	2
BF	Turnip, Purple Top White Globe.....	1926	6
27-1926	Turnip, Purple Top White Globe.....	1927	30
BF	Watermelon, Tom Watson.....	1927	33

*Figures in parenthesis are for field tests.

TABLE 2.—CONTINUED.

INSPECTION No. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
	Hodgkins-Fields Hdw. Co., Dunkirk					
97-1927	Beans, Black Wax.....		150	10	99 (93)	A
99-1927	Beans, Golden Wax.....		159	10	95 (82)	A
102-1927	Beans, Large Lima.....		182	10	99 (58)	A
101-1927	Peas, Champion of England.....		212	20	95 (64)	A
98-1927	Peas, Little Gem.....		216	20	90 (60)	A
103-1927	Sweetcorn, Golden Bantam.....		234		76 (64)	B
100-1927	Sweetcorn, Stowells Evergreen.....		228		88 (47)	A
	Hygrade Seed Co., Tuckahoe					
506-1928	Beets, Crosbys Egyptian.....	1928	9	10	76	A
CB -1926	Beets, Detroit Dark Red.....	1926	7		88	A
CB -1926	Beets, Swiss Chard.....	1926	7		81	A
CB -1926	Cabbage, Savoy.....	1926	8		84	A
508-1928	Carrot, Danvers Long.....	1928	5	10	63	B
CB -1926	Carrot, Chantenay.....	1926	6		49	B
CB -1926	Cauliflower, Cauli Ricci.....	1926	8		76	A
CB -1926	Celery, Sedano Bianchi.....	1926	3		67	A
CB -1926	Celery, Sedano Verdi.....	1926	3		78	A
CB -1926	Chicory, Large Rooted or Coffee.....	1926	4		88	A
CB -1926	Egg Plant, Long Purple Muliganani.....	1926	1		23	B
CB -1926	Egg Plant, Long Purple Muliganani.....	1926	1		23	B
CB -1926	Endive, Broad Leaf.....	1926	6		80	A
CB -1926	Endive, Curled.....	1926	6		96	A
CB -1926	Endive, Curled.....	1926	6		21	B
CB -1926	Lettuce, Lactuca Romana.....	1926	5		65	B
CB -1926	Muskmelon.....	1926	6		79	B
CB -1926	Okra.....	1926	4		60	B
511-1928	Onion, Red Wethersfield.....	1928	3	10	2	Worthless
CB -1926	Parsley, Plain.....	1926	6		30	B

512-1928	Peas, Gradus.....	1928	46	10	55	B
CB -1926	Peppers, Cayenne.....	1926	1		61	A
504-1928	Peas, Improved Telephone.....	1928	46	10	76	B
CB -1926	Radish, White Tip.....	1926	7		72	B
507-1928	Radish, Scarlet Globe White Tip.....	1928	9	10	82	B
509-1928	Radish, White Icicle.....	1928	9	10	73	B
CB -1926	Spinach.....	1926	5		92	A
505-1928	Swiss Chard.....	1928	7	10	94	A
CB -1926	Squash, Cocozelle.....	1926	6		82	A
CB -1926	Squash, Cocozelle Lunghe.....	1926	3		35	B
CB -1926	Squash, Cocozelle Lunghe.....	1926	3		65	B
CB -1926	Sweet Fennel, Florence.....	1926	4		71	A
CB -1926	Tomato, Red Pear.....	1926	2		60	B
CB -1926	Tomato, Chalks Jewel.....	1926	2		69	B
CB -1926	Watermelon, Hygrade.....	1926	5		84	A
W. H. Hunt & Co., Inc., New York City						
B 139-1927	Cabbage, Early Jersey Wakefield.....	1927	3		62 (38)	B
B 134-1927	Carrot, Danvers Half Long.....	1927	5		74 (38)	A
B 135-1927	Cucumber, White Spine.....	1927	4		95 (59)	A
B 140-1927	Lettuce, Big Boston.....	1927	7		99	A
B 136-1927	Onion, Southport Red Globe.....	1927	5		80 (55)	A
B 137-1927	Parsnip, American Hollow Crown.....	1927	4		70 (26)	B
B 130-1927	Peas, Gradus.....	1927	116		98 (85)	A
B 138-1927	Radish, Crimson Giant.....	1927	5		67 (43)	B
B 133-1927	Spinach, Victoria.....	1927	15		23	B
B 132-1927	Tomato, Tall Stone.....	1927	1		95 (45)	A
B 131-1927	Turnip, Golden Ball.....	1927	5		83 (59)	A
Andrew R. Kennedy, Inc., New York City						
BF 66-1926	Beets, Detroit Dark Red.....	1926	4		95	A
B 78-1927	Beets, Eclipse.....	1927	3		84 (62)	A
B 77-1927	Carrot, Danvers Half Long.....	1927	2		71 (37)	A
BF 58-1926	Carrot, Early Scarlet Horn.....	1926	3		73	A
BF 59-1926	Celeriac.....	1926	1		77	A
B 81-1927	Celery, Perfection White Plume.....	1927	1		60	A

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TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
Andrew R. Kennedy, Inc.—Con't.						
BF 65-1926	Chicory, Whitloof	1926	2		86	A
B 74-1927	Cucumber, Early White Spine	1927	3		92 (30)	A
BF 60-1926	Kohl Rabi, Early White Vienna	1926	2		84	A
BF 57-1926	Lettuce, Wonderful		2		94	A
B 79-1927	Lettuce, Wonderful	1927	1		99 (50)	A
B 75-1927	Onion, Prizetaker	1927	1		78 (58)	A
BF 62-1926	Onion, White Portugal	1926	2		75	B
B 76-1927	Parsley, Extra Double Curled	1927	3		54 (11)	B
BF 61-1926	Radish, Long Scarlet	1926	6		60	B
B 73-1927	Radish, Scarlet White Tipped	1927	6		82 (60)	B
B 72-1927	Ruta Baga, Long Island Improved	1928	4		72 (40)	B
BF 64-1926	Spinach, Long Season	1926	5		79	A
BF 63-1926	Squash, Early Summer Bush Crookneck	1926	6		52	B
B 80-1927	Tomato, Ponderosa	1927	0.6		71 (27)	B
Lake Shore Seed Co., Dunkirk						
V 737-1928	Beans, Black Wax Bush	1928	13	10	74	B
V 600-1926	Beans, Golden Wax	1926	14	10	96	A
53-1927	Beans, Red Valentine	1927	20		30 (17)	B
S 177-1926	Beans, Red Valentine	1926	28	10	98	A
S 167-1926	Beans, Large White Lima	1926	12	10	80	B
V 739-1928	Beets, Early Egyptian	1928	10	10	70	A
V 598-1926	Beets, Extra Early Egyptian Blood	1926	10	10	62	B
S 170-1926	Beets, Dewings Improved Blood Red		10		63	B
V 733-1928	Cabbage, Danish Ballhead	1928	5	10	87	A
S 59-1927	Cabbage, Extra Early Savoy	1927	5		42 (37)	B
S 181-1926	Cabbage, Filderkraut	1926	5	10	23	Unfit
S 166-1926	Cabbage, Filderkraut	1926	5	10	28	Unfit

V 591-1926	Cabbage, Hollander or Danish Baldhead.....	1926	6	10	16	Worthless
S 175-1926	Cabbage, Red Rock.....	1926	5	10	30	Low value
60-1927	Carrot, Oxheart.....	1927	5		59 (27)	B
S 164-1926	Cauliflower, Snowball.....	1926	1	5	47	B
S 169-1926	Celery, Fancy White Solid.....	1926	2		78	A
S 171-1926	Chicory, Large Rooted.....	1926	2	5	24	B, molded
V 596-1926	Cucumber, Improved Long Green.....	1926	6	10	71	B
S 179-1926	Cucumber, Peerless White Spine.....	1926	6	10	98	A
V 734-1928	Cucumber, Peerless White Spine.....	1928	6	10	96	A
V 593-1926	Endive, Green Curled.....	1926	4	10	62	B
55-1927	Lettuce, Cos or Celery.....	1927	5		43 (10)	B
S 180-1926	Lettuce, Early Curled Silesia.....	1926	6	10	99	A
V 597-1926	Lettuce, Grand Rapids.....	1926	4	10	89	A
V 736-1928	Lettuce, Grand Rapids.....	1928	5	10	30	B
V 599-1926	Okra or Gumbo.....	1926	8	10	72	A
V 731-1928	Onion, Large Red Wethersfield.....	1928	4	10	95	A
S 174-1926	Onion, Large Yellow Danvers.....	1926	3	10	78	A
62-1927	Onion, Southport Large Yellow Globe.....	1927	3	10	84 (48)	A
S 168-1926	Parsley, Double Curled.....	1926	2	5	25	B
V 592-1926	Parsley, Plain Semple.....	1926	4	10	25	B
S 176-1926	Peas, Telephone.....	1926	25		90	A
V 594-1926	Radish, Early Red.....	1926	5	10	47	B
S 58-1927	Radish, Early Red Turnip White Tipped.....	1927	6		69 (33)	B
V 732-1928	Radish, Early Red Turnip White Tipped.....	1928	8	10	60	B
S 56-1927	Radish, Early Red Turnip.....	1927	6		53 (14)	B
S 173-1926	Radish, Round Black Spanish Winter.....	1926	5	10	78	B
S 165-1926	Sweetcorn, Country Gentleman.....		12	5	82	A
S 172-1926	Sweetcorn, Golden Bantam.....		28	10	99	A
54-1927	Sweetcorn, Stowells Evergreen.....	1927	20		80 (44)	A
57-1927	Sweetcorn, Stowells Evergreen.....	1927	20		71 (58)	B
V 738-1928	Sweetcorn, Stowells Evergreen.....	1928	16	10	50	B
61-1927	Tomato, New Stone.....	1927	4		40 (21)	B
V 595-1926	Turnips, Early Purple Top Strap Leaf.....	1926	6	10	78	B, molded
V 735-1928	Turnips, Yellow Globe.....	1928	10	10	32	B

*Figures in parenthesis are for field tests.

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TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
MacNiff Horticultural Co., New York City						
B 84-1927	Cucumber, Improved White Spine.....	1927	5	5	91 (69)	A
B 86-1927	Lettuce, Big Boston.....		3	5	88	A
B 87-1927	Onions, Southport White Globe.....	1927	4		75 (66)	A
B 94-1927	Peas, Gradus.....		242		91 (64)	A
B 92-1927	Peas, Little Gem.....		34		99 (68)	A
B 93-1927	Peas, Champion of England.....		28		96 (63)	A
B 85-1927	Radish, White Tip Scarlet Early.....		4	5	86 (60)	A
B 90-1927	Sweetcorn, Red Cob Cory.....		30	5	84 (27)	A
B 91-1927	Sweetcorn, De Reus Golden Giant.....		30	5	84 (64)	A
B 89-1927	Sweetcorn, Golden Bantam.....		30	5	83 (44)	A
B 88-1927	Sweetcorn, Stowells Evergreen.....		28	5	88 (52)	A
W. E. Marshall & Co., New York City						
BF 23-1926	Beets.....	1926	6	10	69	B
BF 12-1926	Beets, Early Blood Turnip.....	1926	6	10	72	A
B 154-1927	Cabbage, Large Late Drumhead.....	1927	4		76 (58)	B
BF 21-1926	Carrot, Improved Long Orange.....	1926	5	10	85	A
B 153-1927	Celery, Giant Pascal.....	1927	3		90	A
BF 24-1926	Celery, White Plume.....	1926	2	10	72	A
B 157-1927	Cucumber, Davis Perfect.....	1927	4		95 (74)	A
BF 15-1926	Cucumber, White Spine.....	1926	3	10	98	A
BF 16-1926	Endive, Broad Leaved Batavian.....	1926	3	10	82	A
B 158-1927	Endive, White Curled.....	1927	4		90 (57)	A
B 159-1927	Kale, Dwarf Green Scotch.....	1927	2		92 (51)	A
B 160-1927	Lettuce, Big Boston.....	1927	2		87	A
BF 17-1926	Muskmelon, Emerald Gem.....	1926	3	10	67	B
BF 161-1927	Muskmelon, Hackensack.....	1927	3		90 (78)	A
BF 25-1926	Muskmelon, Rocky Ford.....	1926	3	10	66	B
B 163-1927	Onion, Large White Globe.....	1927	2		85 (92)	A

BF 14-1926	Onion, Leek Large American Flag	1926	3	10	72	A
BF 18-1926	Onion, Barletta	1926	2	10	68	A
BF 26-1926	Parsley	1926	2	10	33	B
B 153-1927	Parsnip, Hollow Crown	1927	3		57 (25)	B
B 151-1926	Peas, Early Alaska	1927	370		98 (76)	A
BF 20-1926	Peppers, Large Bell or Bull Nose	1926	1	10	63	A
B 164-1927	Pumpkin, Early Sugar	1927	5		99 (54)	A
BF 13-1926	Radish, French Breakfast	1926	4	10	60	B
B 165-1927	Radish, Early Scarlet Globe	1927	6		88 (48)	A
B 153-1927	Spinach, Long Standing	1927	7		20	B
B 166-1927	Tomato, Bonny Best	1927	1		77 (35)	A
BF 22-1926	Tomato, The Stone	1926	17	10	72	B
B 167-1927	Turnip, Early White Milan	1927	4		78 (34)	A
BF 19-1926	Watermelon, Mountain Sweet	1926	2	10	40	B
B. F. Metcalf & Son, Syracuse						
V 584-1926	Beets, Crosbys Egyptian		14	5	90	A
V 744-1928	Beets, Crosbys Egyptian	1928	5	10	75	A
V 583-1926	Cabbage, Early Copenhagen		3	5	73	B
V 747-1928	Cabbage, Mammoth Rock Red	1928	4	10	80	A
V 587-1926	Carrot, Danver		4	5	48	B
V 746-1928	Carrot, Improved Long Orange	1928	6	10	64	B
V 588-1926	Celery, Golden Self Blanching	1926	2	5	94	A
V 741-1928	Cucumber, Davis Perfect	1928	6	10	98	A
V 589-1926	Cucumber, Improved Long Green	1926	3	5	70	B
V 748-1928	Lettuce, Early Curled Silesia	1928	3	10	97	A
V 590-1926	Lettuce, Onondaga		6	5	84	A
V 742-1928	Onion, Yellow Globe Danvers	1928	5	10	91	A
V 582-1926	Parsley, Double Curled		4	5	67	A
V 743-1928	Radish, Early Long Scarlet	1928	6	10	66	B
V 586-1926	Radish, French Breakfast	1926	5	6	76	B
V 749-1928	Ruta Baga, American Purple Top	1928	4	10	75	B
V 745-1928	Swiss Chard	1928	4	10	94	A
V 581-1926	Turnip, Purple Top Strap Leaf		4	5	81	A
V 740-1928	Turnip, Purple Top White Globe	1928	4	10	95	A

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TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
F. B. Mills, Rose Hill						
V 724-1928	Beets, Eclipse.....	1928	7	4	91	A
V 722-1928	Beets, Improved Long Red.....	1928	5	3	81	A
V 714-1928	Cabbage, Mammoth Rock Red.....	1928	30	25	65	B
V 725-1928	Cabbage, World Beater.....	1928	2	6	53	B
V 721-1928	Carrot, Improved Long Orange.....	1928	3	4	81	A
V 726-1928	Celery, Giant Pascal.....	1928	0.4	5	68	A
V 713-1928	Cucumber, Fancy Pickles.....	1928	33	12	85	A
V 727-1928	Cucumber, Earliest Everbearing.....	1928	3	4	94	A
V 711-1928	Lettuce, Black Seeded Simpson.....	1928	29	40	96	A
V 716-1928	Onion, Early White Welch.....	1928	1	10	25	B
V 717-1928	Onion, Giant Australian Brown.....	1928	2	5	84	A
V 723-1928	Pepper, Mexican Bouquet.....	1928	0.3	5	30	B
V 720-1928	Radish, Giant Butter White Tipped.....	1928	3	4	81	A
V 719-1928	Radish, Long Scarlet Short Top.....	1928	4	4	91	A
V 729-1928	Ruta Baga, Giant White Sweet.....	1928	29	8	81	A
V 718-1928	Spinach, Bloomsdale Savory Leaved.....	1928	3	5	68	A
V 712-1928	Tomato, The Burbank.....	1928	18	50	68	B
V 715-1928	Tomato, Quick Crop.....	1928	19	25	62	B
V 728-1928	Turnip, Early White Flat Dutch.....	1928	4	4	92	A
V 710-1928	Turnip, Early Snowball.....	1928	30	8	93	A
Northrup King & Co., Minneapolis, Minnesota						
S 263-1926	Asparagus.....	1926	6	5	2	Worthless
28-1927	Beans, Early Dwarf Black Wax.....	1927	60	10	91 (85)	A
S 257-1926	Beans, Improved Golden Wax.....	1926	58	10	93	A
S 43-1928	Beans, Improved Golden Wax Dwarf.....	1928	57	10	95	A
S 268-1926	Beets, Early Blood Turnip.....	1926	6	5	93	A
S 39-1928	Beets, Edmands Improved Blood Turnip.....	1928	4	5	63	B
S 37-1928	Cabbage, Early Dwarf Flat Dutch.....	1928	3	5	66	B

S 265-1926	Cabbage, Premium Late Flat Dutch.	1926	3	5	65	B
S 46-1927	Cabbage, Premium Late Flat Dutch.	1927	4	5	70 (53)	B
S 260-1926	Cauliflower, Early Snowball.	1926	1	5	89	A
S 33-1928	Cauliflower, Early Snowball.	1928	1	5	84	A
S 276-1926	Carrot, Chantenay.	1926	8	5	58	B
S 45-1927	Carrot, Oxheart.	1927	8	5	62 (27)	B
S 40-1928	Carrot, Oxheart.	1928	5	5	54	B
S 272-1926	Celery, Golden Self Blanching.	1926	2	5	48	B
S 37-1927	Celery, Golden Self Blanching.	1927	3	5	42	B
S 36-1928	Cucumber, Boston Pickling.	1928	6	3	92	A
S 271-1926	Cucumber, Improved White Spine.	1926	4	5	85	A
S 35-1928	Cucumber, Improved Long Green.	1928	6	5	90	A
S 39-1927	Lettuce, Black Seeded Simpson.	1927	5	5	99 (70)	A
S 43-1927	Lettuce, Prizehead.	1927	4	5	92 (50)	A
S 41-1927	Lettuce, New York Wonderful.	1927	4	5	90 (86)	A
S 40-1927	Lettuce, Grand Rapids.	1927	5	5	84 (26)	A
S 262-1926	Onion, Earliest White.	1926	5	5	68	B
S 273-1926	Onion, Large Red Globe.	1926	5	5	28	B
S 270-1926	Onion, Large White Globe.	1926	2	5	55	B
S 31-1927	Onion, Large White Globe.	1927	3	5	78 (70)	A
S 32-1927	Onion, Large Red Wethersfield.	1928	5	5	78 (30)	A
S 30-1927	Onion, Prizetaker.	1927	4	5	87 (70)	A
S 33-1927	Onion, Prizetaker.	1927	4	5	88 (51)	A
S 261-1926	Parsnip, Sweet Marrow.	1926	4	5	19	B
S 36-1927	Parsnip, Sweet Marrow.	1927	5	5	38 (17)	B
S 256-1926	Peas, American Wonder.	1926	46	10	52	B
S 21-1927	Peas, American Wonder.	1927	172	20	87 (61)	A
S 26-1927	Peas, Champion of England.	1927	184	20	58 (43)	B
S 25-1927	Peas, Everbearing.	1927	186	20	69 (56)	B
S 24-1927	Peas, Little Gem.	1927	182	20	92 (83)	A
S 22-1927	Peas, Notts Excelsior.	1927	180	20	88 (72)	A
S 27-1927	Peas, Telephone.	1927	48	10	92 (50)	A
S 23-1927	Peas, Thomas Laxton.	1927	170	20	78 (72)	B
S 45-1928	Peas, Thomas Laxton.	1928	42	10	84	B
S 266-1926	Radish, French Breakfast.	1926	6	5	94	A

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TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDSMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD,	GERMINATION PER CENT*	VALUE†
Northrup King & Co.—Con't.						
S 38-1927	Radish, French Breakfast.....	1927	9	5	85 (55)	A
S 42-1928	Radish, French Breakfast.....	1928	8	5	75	B
S 34-1927	Radish, Early Scarlet Globe.....	1927	8	5	82 (43)	B
S 47-1927	Radish, Early Scarlet Globe.....	1927	8	5	87 (38)	A
S 269-1926	Radish, Long Scarlet Short Top.....	1926	7	5	90	A
S 35-1927	Radish, White Strassburg.....	1927	7	2	70 (48)	B
S 41-1928	Radish, Sterling White Top.....	1928	8	5	90	A
S 34-1928	Ruta Baga, Prize Winner.....	1928	9	5	68	B
S 44-1928	Sweetcorn, Extra Early Golden Bantam.....	1928	52	10	90	A
29-1927	Sweetcorn, Golden Bantam.....	1927	56	10	92 (54)	A
S 258-1926	Sweetcorn, Extra Early White Cory.....	1926	46	10	72	B
S 259-1926	Sweetcorn, Golden Bantam.....	1926	50	10	96	A
44-1927	Swiss Chard.....	1927	6	5	98 (88)	A
S 274-1926	Tomato, Stone.....	1926	1	5	96	A
S 38-1928	Tomato, Stone.....	1928	2	5	65	B
Page Seed Co., Greene						
V 660-1927	Cabbage, Danish Ballhead.....	1927	5	10	65	B
V 659-1927	Carrot, Chantenay.....	1927	9	10	58	B
V 655-1927	Cucumber, Boston Pickling.....	1927	7	10	89	A
V 658-1927	Lettuce, Simpsons Early Curled.....	1927	5	10	90	A
V 653-1927	Onion, Yellow Globe Danvers.....	1927	4	10	20	B
V 657-1927	Parsnip, Hollow Crown or Guernsey.....	1927	8	10	84	A
V 651-1927	Radish, Chartier.....	1927	9	10	91	A
V 656-1927	Ruta Baga, American Purple Top Yellow.....	1927	9	10	46	B
V 652-1927	Salsify, Mammoth Sandwich Island.....	1927	5	10	70	A
V 654-1927	Turnip, White Egg.....	1927	10	10	67	B

TABLE 2.—CONTINUED.

INSPECTION NO. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDMAN AND NAME OF SKED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
	Page Seed Co.,—Con't.					
50-1927	Peas, American Wonder.....	1927	160	15	93 (79)	A
52-1927	Peas, Champion of England.....	1927	158	15	92 (61)	A
51-1927	Peas, Early Dwarf.....	1927	162	15	99 (95)	A
49-1927	Peas, Dwarf Champion.....	1927	158	15	89 (59)	A
48-1927	Peas, Premium Gem.....	1927	156	15	81 (64)	B
V 622-1926	Radish, Chinese Rose-Scarlet.....	1926	7	10	57	B
V 621-1926	Tomato, Improved Dwarf Champion.....	1926	1	10	65	B
	C. F. Saul, Syracuse					
V 572-1926	Beets, Detroit Dark Red.....		30	10	82	A
V 579-1926	Cabbage, Danish Ballhead.....		16	10	70	B
V 573-1926	Carrot, Danvers Half Long.....		20	10	63	B
V 575-1926	Celery, Golden Self Blanching.....		4	10	62	B
V 580-1926	Cucumber, Improved Early White Spine.....		19	10	72	B
V 576-1926	Lettuce, Grand Rapids.....		14	10	95	A
V 571-1926	Onion, Yellow Globe Danvers.....		6	10	52	B
V 577-1926	Parsnip, Hollow Crown or Long Smooth.....		28	29	29	B
V 578-1926	Radish, Vicks Early Scarlet Globe.....		30	85	85	A
V 574-1926	Tomato, Chalks Early Jewel.....		6	10	94	A
	F. A. Sherman Co., Albany					
B 3-1927	Beet, Mammoth Early Blood Turnip.....		9		87 (63)	A
B 1-1927	Carrot, Chantenay.....		7		86 (45)	A
B 2-1927	Lettuce, Simpson.....		3		99 (66)	A
B 5-1927	Onion, Large Red Wethersfield.....		4		90 (70)	A
B 8-1927	Parsley, Double Curled.....		8		15 (4)	B
B 9-1927	Radish, Scarlet Globe.....		6		76 (28)	B
B 6-1927	Spinach.....		8		42	B

Stump & Walter Co., New York City

B 37-1927	Beans, Bountiful Green Pod	1927	82			91 (91)	A
BF 55-1926	Beets, Detroit Dark Red	1926	10			77 (52)	A
B 32-1927	Beets, Detroit Dark Red	1927	8			86 (52)	A
BF 44-1926	Beets, Swiss Chard Green Lyons	1926	8			84	A
BF 54-1926	Cabbage, Early Jersey Wakefield	1926	4	15		91	A
BF 53-1926	Carrot, Danvers	1926	6			55	B
B 36-1927	Carrot, Selected Chantenay	1927	5			51 (27)	B
BF 52-1926	Cucumber, Improved White Spine	1926	8			80	A
B 33-1927	Cucumber, Improved Early White Spine	1927	5			85 (48)	A
BF 50-1926	Kale, Dwarf Green Curled Scotch	1926	8			62	B
BF 51-1926	Kohl Rabi, Early White Vienna	1926	5			96	A
BF 49-1926	Lettuce, Iceberg	1926	5			98	A
B 2-1927	Lettuce, Simpson		3			99	A
B 35-1927	Onion, Southport White Globe	1927	4	15		71 (29)	A
BF 42-1926	Radish, Early Scarlet Globe	1926	10			82	B
B 30-1927	Radish, Early Scarlet Globe	1927	11			74 (37)	B
BF 48-1926	Radish, White Box	1926	12	10		20	B
B 31-1927	Ruta Baga, Russian or Swedish Turnip	1927	8			94 (74)	A
BF 47-1926	Squash, Hubbard	1926	4			50	B
B 38-1927	Sweetcorn, Golden Bantam	1927	62			90 (71)	A
BF 45-1926	Tomato, Bonny Best	1926	2			94	A
BF 56-1926	Tomato, Stone	1926	2			95	A
BF 46-1926	Turnip, Early White Milan	1926	8			91	A
BF 43-1926	Turnip, Purple Top White Globe	1926	8			76	A
B 29-1927	Turnip, White Globe	1927	8			14 (12)	B
J. M. Thorburn, New York City							
B 147-1927	Cabbage, Early Jersey Wakefield	1927	3	20		47 (23)	B
B 149-1927	Carrot, Early Scarlet Horn	1927	2	10		84 (38)	A
B 150-1927	Endive, Green Curled Winter	1927	4	10		68 (53)	B
B 148-1927	Onion, White Bermuda True Crystal Wax	1927	4	15		75 (47)	A
B 144-1927	Parsnip, Hollow Crown	1927	3			60	B
B 141-1927	Peas, First of All	1927	466	40		91 (79)	A
B 145-1927	Pepper, Ruby Giant	1927	3	10		87 (41)	A
B 146-1927	Radish, French Breakfast	1927	5	10		85 (48)	A
B 142-1927	Swiss Chard, Lucullus Silver Beet	1927	8	10		90 (63)	A

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TABLE 2—CONTINUED.

INSPECTION No. AND YEAR COLLECTED	NAME AND ADDRESS OF SEEDMAN AND NAME OF SEED AND VARIETY AS GIVEN ON THE PACKET	"YEAR" PACKETED OR PUT UP AS STAMPED	NET WEIGHT OF CONTENTS IN GRAMS	PRICE FOR WHICH SOLD, CENTS	GERMINATION PER CENT*	VALUE†
Utica Seed Company, Utica						
V 751-1928	Cabbage, Danish Ballhead		4	10	84	A
V 755-1928	Cabbage, Large Late Flat Dutch		5	10	56	B
V 753-1928	Carrot, Chantenay		6	10	60	B
V 757-1928	Cauliflower, Snowball		1	10	83	A
V 754-1928	Celery, Giant Pascal		2	10	60	A
V 752-1928	Cucumber, Japanese Climbing		6	10	93	A
V 756-1928	Lettuce, Big Boston		5	10	98	A
V 758-1928	Peas, Telephone	1926	84	10	0	Worthless
V 759-1928	Sweetcorn, Stowells Evergreen	1926	65	10	21	Low value
V 750-1928	Tomato, John Baer		2	10	93	A
Vaughans Seed Store, New York City						
B 40-1927	Beans, Bountiful Stringless	1927	70	10	91 (60)	A
B 44-1927	Beets, Detroit Dark Red	1927	9	15	84 (72)	A
B 45-1927	Cabbage, Early Jersey Wakefield	1927	5	10	80 (45)	A
B 46-1927	Carrot, Early Chantenay	1927	8	10	62 (34)	B
B 43-1927	Celery, Fordhook	1927	4	10	80	A
B 48-1927	Cucumber, The Vaughan	1927	4		94 (58)	A
B 47-1927	Egg Plant, Improved New York	1927	5	10	84	A
B 49-1927	Kohl Rabi, White Vienna	1927	6	10	95 (63)	A
B 50-1927	Lettuce, Improved Hanson	1927	4	10	97 (54)	A
B 52-1927	Muskmelon, Benders Surprise	1927	9	10	93 (56)	A
B 51-1927	Onion, Ailsa Craig	1927	8	15	95 (48)	A
B 41-1927	Parsley, Vaughans XXX	1927	5	10	89 (33)	A
B 58-1927	Peas, Laxtonian	1927	74	10	99 (85)	A
B 42-1927	Pepper, Magnum Dulce	1927	4	15	87 (36)	A
B 47-1927	Egg Plant, Improved New York	1927	5	10	84	A
B 53-1927	Radish, Vaughans 20 Day	1927	6	10	74 (53)	B
B 55-1927	Squash, Giant Summer Crookneck	1927	8	10	99 (53)	A
B 54-1927	Spinach, Fill Basket	1927	10	10	65	A
B 39-1927	Sweet corn, Country Gentleman	1927	70	10	90 (80)	A
B 56-1927	Tomato, Earliana	1927	5	15	89 (49)	A
B 57-1927	Turnip, Purple Tp Strap Leaf	1927	8	10	95 (72)	A

James Vick's Sons, Rochester						
S 60-1928	Beet, Detroit Dark Red	1928	7	10	75	A
S 67-1928	Cabbage, Glory of Enkhuizen	1928	3	10	73	B
S 68-1928	Cauliflower, Danish Perfection	1928	1	15	52	B
S 65-1928	Cucumber, Early Green Cluster	1928	6	10	97	A
S 69-1928	Onion, Yellow Globe Danvers	1928	3	10	89	A
S 62-1928	Parsnip, Long Hollow Crown	1928	3	5	65	A
S 61-1928	Peas, Telephone	1928	60	10	94	A
S 66-1928	Radish, Early Scarlet Globe	1928	6	10	77	B
S 62-1928	Sweetcorn, Country Gentleman	1928	60	10	84	A
S 64-1928	Tomato, Norton	1928	2	10	90	A
John Wilk, New York City						
B 68-1927	Beet, Detroit Dark Red	1927	7	10	85 (62)	A
B 66-1927	Carrot, Half Long Chantenay	1927	9	10	83 (48)	A
B 67-1927	Lettuce, Big Boston	1927	4	10	96 (31)	A
B 65-1927	Onion, Southport White Globe	1927	4	10	86 (61)	A
B 71-1927	Parsley, Champion Moss Curled	1927	7	10	67 (15)	A
B 62-1927	Peas, Alaska	1927	436		99 (92)	A
B 64-1927	Peas, Alderman	1927	350		76 (45)	B
B 59-1927	Peas, Early Bird	1927	410		86 (57)	A
B 60-1927	Peas, Gradus or Prosperity	1927	382		89 (77)	A
B 61-1927	Peas, Improved Daniel O'Rourke	1927	400		86 (42)	A
B 63-1927	Peas, Improved Telephone	1927	374		95 (83)	A
B 70-1927	Radish, Early Scarlet Turnip	1927	8	10	48 (19)	B
B 69-1927	Spinach, King of Denmark	1927	8	10	44	B
S. D. Woodruff & Sons, New York City						
B 98-1927	Carrot, Danvers Half Long	1927	4		66 (25)	B
B 100-1927	Cucumber, Davis Perfect	1927	9		92 (44)	A
B 99-1927	Endive, Broad Leaved Batavian	1927	10		74 (37)	B
B 97-1927	Lettuce, Big Boston	1927	4		74 (35)	B
B 96-1927	Lettuce, Early Curled Simpson	1927	3		99 (52)	A
B 101-1927	Muskmelon, Rocky Ford	1927	12		99 (51)	A
B 95-1927	Parsley, Moss Curled	1927	5		63 (9)	A
B 105-1927	Peas, Thos. Laxton	1927	144		91 (59)	A
B 102-1927	Radish, White Icicle	1927	17		92 (65)	A
B 103-1927	Spinach, Bloomsdale	1927	14		33	B
B 106-1927	Sweetcorn, Stowells Evergreen	1927	86		89 (72)	A
B 104-1927	Turnip, Purple Top White Globe	1927	7		96 (67)	A

*Figures in parenthesis are for field tests.

†A = above standard; B = below standard.

TABLE 3.—SUMMARY OF THE EXAMINATION AND TEST OF 964 PACKETS OF VEGETABLE SEEDS PURCHASED IN THE OPEN MARKET IN NEW YORK STATE IN 1926, 1927, AND 1928.

KIND OF SEED	SAMPLES TESTED	STANDARDS OF GERMI- NATION ADOPTED	SAMPLES ABOVE STANDARD	SAMPLES BELOW STANDARD	SAMPLES CONSIDERED WORTHLESS OR UNFIT FOR PLANTING
	<i>Number</i>	<i>Per cent</i>	<i>Number</i>	<i>Number</i>	<i>Per cent</i>
Artichoke.....	1	70	0	1	0
Asparagus.....	1	80	0	0	—
Beans.....	55	85	32	15	14
Beets.....	63	70	50	10	5
Cabbage.....	64	80	18	35	17
Carrot.....	59	70	17	38	1
Cauliflower.....	19	70	6	10	1
Celery.....	31	60	19	10	6
Chicory.....	3	70	2	1	0
Cress.....	3	70	1	2	0
Cucumber.....	56	80	42	13	1
Herbs.....	3	70	2	1	0
Egg plant.....	8	65	2	6	0
Endive.....	12	75	6	6	0
Kale.....	8	70	3	3	25
Kohl Rabi.....	10	75	6	1	30
Lettuce.....	66	75	48	13	1
Muskmelon.....	14	80	7	6	1
Okra.....	2	70	1	1	0
Onion.....	66	75	39	20	10
Parsley.....	19	60	8	11	0
Parsnip.....	27	65	10	13	14
Peas.....	63	85	40	18	7
Pepper.....	13	60	7	3	20
Pumpkin.....	5	75	2	2	20
Radish.....	82	85	27	48	8
Ruta Baga.....	14	80	3	10	7
Salsify.....	10	70	5	4	10
Spinach.....	22	65	9	12	5
Squash.....	14	80	3	10	7
Sweet corn.....	51	80	26	20	9
Swiss Chard.....	9	75	8	1	0
Tomato.....	47	75	29	17	2
Turnip.....	36	80	14	16	16
Watermelon.....	9	80	4	4	0

RESULTS

During the three seasons of the total of 964 packets collected from the 47 seedsmen or dealers and examined, 89, or 9.2 per cent, were found to be absolutely worthless for planting purposes. In addition, there were 18 packets, or 1.9 per cent, which, while they showed a few sprouts during tests were considered unfit for satisfactory planting. Also, there were 371, or 39.2 per cent, which were below the very reasonable standards¹ adopted for comparison. By referring to Table 2 it will be readily observed that many of the packets of seeds found to be below the standards in viability, while not considered worthless, were so low in percentage of viability as to have but little real planting value. In fact it is the weak lots of seeds of low vitality which usually give disappointing results. In all, slightly less than 50 per cent of the total packets were equal to or above the reasonable standards adopted.

By comparing the results of previous investigations as given in Bulletins Nos. 507 and 533 with those herewith reported, it can be readily seen that there are a certain few packeting seedsmen who are consistently preparing year after year satisfactory packets of seeds of good varieties. Also, that there are an equal number of seed-packeting houses putting out "commission boxes" of packets of consistently low quality and value as shown by both viability tests and field trials.

¹The results herewith reported are compared with standards tentatively adopted by the testing laboratory for the seasons in question. The standards represent about the average of standards in use in some other states. These standards are given in Table 3, page 46.