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There's New Beauty in
STOKES' TOMATOES
for 1939

57 YEARS of TRADITION—

8 Well-Bred Stocks of Tomatoes

Photo by Bachrach

"We have a deep conviction that it is best to attempt but a few things, focusing great energy on them."

variety tests and reasonable variety diversification in the field. We believe that our catalogue descriptions, accompanied by excerpts from customers' reports, will be helpful in your choice of variety.

Once again we say thanks for the increasing business which is being sent to us, both in Tomato seed and in Tomato plants. Once again we extend the hospitality of our Company to all interested persons to visit our Stokesdale Proving Grounds at Vincentown. It is here that our foundation stocks are produced, which in turn plant our 1,000 pedigreed acres for seed. It is here also that various cultural experiments are made. Early August is the most interesting time for a visit. Ice-cold Tomato juice is always on tap!

Francis C. Stokes

President

FRANCIS C. STOKES COMPANY

1881

Tomato Products

1939

VINCENTOWN, NEW JERSEY, U. S. A.

The Girls on the Cover

Our thanks to Mr. Gene Miller, Berkeley Springs, W. Va., Secretary, Morgan County Tomato Festival, for our cover photograph. These very pleasant ladies reflect the spirit and the character of that increasingly important Tomato county. Their festival was all that the name gives it and included a governor, a queen, bands of music, farmers, farmers' sons, farmers' daughters, and a great many Tomatoes!

Photograph on the front cover by Mr. Henry Ruppenthal, Jr.

Stokes tamperproof Tomato canister, with its copyright label, is a symbol of safety to the Tomato grower. The top is not removable except by destroying the box. It is thus impossible to refill. The box itself is ventilated, but is insect proof. The prestige of the label carries with it an honorable record dating back to 1881.

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THE most important American vegetable, Tomato, continues to claim our exclusive interest. We leave the enormously complex problems attendant on the breeding and growing of other vegetable seed to fellow members of the craft, who by training, experience and location are better suited to handle them.

Our Company's concentration on Tomato has brought results which will be useful to you as a Tomato grower, whether you produce for the early market, for green-wrap shipment, for the cannery, or under glass. It is probable that a careful reading of this Catalogue will materially increase your Tomato profits, for our merchandise and our experience are completely at the service of our customers. Your problems are our problems.

The year 1938 was a severe one for Tomatoes. All varieties, in nearly all districts, underwent extremes of rainfall, heat, drought, or hurricane that in many cases proved their undoing. {Our own crops were reduced by 50 per cent.} Again we are impressed with this fact: *No one variety will necessarily give the best performance on the same farm year after year.* Conditions of culture, feeding, moisture, temperature, and humidity are so inconstant that varying results are inevitable. These conditions cannot be accurately forecast. Thus the necessity of continuous

ONE OF THE MOST RESPECTED SEED PACKAGES IN NORTH AMERICA

and HERE THEY ARE—

Yes, only eight stocks, but these eight cover many varying requirements on a continental scale. They represent a comprehensive program of research and production, which combines thoroughness, accuracy, and all reasonable safeguards. We expect them to perform according to the blueprint.

Price of all varieties, postpaid, Trade pkt. 25 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.50; lb. \$5; 5 lbs. \$22.50

(Trade packets and ounces are packed in sealed envelopes; quarter pounds and pounds are packed in canisters)

Stokes Tomato Plants, shipment during the month of May, see pages 6 and 7 for full details

Price \$2 per 1000, f. o. b. Southern shipping station. Price \$2.50 per 1000, f. o. b. New Jersey receiving station

STOKES VARIETY CHART

	Introducer	Primary Classification	Approximate Shape	Ratio Depth to Width	Days to Maturity at Stokesdale	Forcing Stocks Avail. (see page 11)	Plants Available in May	Relative Disease Resistance	Region of Greatest Usefulness	Average Weight in ounces
Valiant	Stokes 1937			90%	106	✓	✓	70%	Northern States	7
Stokesdale	Stokes 1936			82%	112	✓	✓	75%	General	7
Lange's Earliana	Stokes 1933			75%	104			70%	Northern States	4
Bonny Best	Stokes 1908			86%	112	✓		70%	Northern States	4
Pritchard	U. S. D. A. 1931			85%	113	✓		85%	General	4
Rutgers	N. J. Exp. St. 1935			85%	122		✓	90%	From New Jersey South	7
Master Marglobe Strain Six	Stokes 1930			91%	118	✓	✓	90%	From New Jersey South	6
Master Marglobe Strain Eight	Stokes 1937			85%	122		✓	90%	From New Jersey South	7

Picture of the Year!

Skoll! Pardon our pride in this one. The sight of six Eskimos in Northwest Greenland solemnly drinking Stokes Tomato Juice warms us up all over. Captain Bob Bartlett sent us the photograph. He and his famous schooner, *Morrissey*, called there during August. He writes: "The tribe is known as the Peary Eskimos. Some of them were kids when their parents were with Peary in 1906 to 1909, when he discovered the North Pole."

"Accuracy and All Reasonable Safeguards"

The work at Stokesdale goes on unrelentingly. It is the backbone of our entire effort. Without it our stocks would slide back to mediocre standards within a two-year period. Here, all summer long, a trained crew of men is engaged in the tedious, but necessary, job of measuring, weighing, and appraising single plants and single fruits. The slightest advance is promptly reflected in the great mirror of Stokesdale—our customers' fields. But we do not stop here. Tomato varieties react very differently under varying conditions. For this reason records of our stocks are noted in over 100 widely scattered sections. All of these reports are thoroughly checked and analyzed. It is obvious that the planting-range of any variety is limited.

The year's last cultivation of Rutgers on Stokesdale Proving Grounds, June 30, 1938

The search for single plant types on Stokesdale Proving Grounds in our plot of Bonny Best. Messrs. Foster, Schaffer and Willits.

Virginia Tomato Field Trials, August 16, 1938, Hague, Virginia

Penn State Field Day, August 12, 1938, State College, Pa.

Examining Tomatoes at the farm of our customer, Mr. Warren W. Custer, Newtown, Bucks Co., Pa. Messrs. Custer, Stokes and Currie.

New York State Vegetable Field Trials, Cornell, September 19, 1938. Dr. Paul Work is leader of the group

"A Program of Research and Production"

This page illustrates some of the safeguards. They have to do with disinfecting, curing, cleaning, and packaging. Upwards of 30,000 pounds of seed were disinfected at our Vincenttown Plant under supervision of the New Jersey State Department of Agriculture between October 10 and December 10, 1938. Each lot was later tested on Agar plates for disease organisms. After thorough drying—in the open air whenever possible—the seed is double milled and then packed in ventilated but tamper-proof canisters and sold under our copyright label. In addition to these precautions, comprehensive germination tests are made. The results of these are shown, with dates, on every package of Stokes Tomato Seed. A chart of germination tests will be found on page 12.

Accurate measurement is required of the New Improved Ceresan used in disinfecting Stokes Tomato Seed. This operation was completed in October and November, two months after harvest.

The disinfecting process is completely supervised by an official of the New Jersey State Department of Agriculture. A five-minute immersion in the solution of 1 to 1200 is the standard.

After drying for 20 minutes the seed is then centrifuged before putting on the racks for drying

Weather permitting, we always prefer to dry our seed in the sun, rather than under artificial heat

All of our Tomato Seed is double milled. First through a Clipper cleaner and second through a Sutton, Steele & Steele specific gravity cleaner.

Stokes Tomato Seed is sold in these canisters. The tops are sealed on by machinery so that they are completely tamper-proof.

Photos by Rod Allen

SOUTHERN-GROWN PLANTS • An Enormously Important Factor in the Tomato Industry

LAST year our Company handled approximately 20 carloads of Georgia-grown Tomato plants. Our experience with them was more satisfactory than ever before. We consider the Southern-grown plants not only an important factor to Tomato growers in the North, but we look on them as having passed the experimental stage. If you have lingering doubts about their importance, we assure you that you can now accept them as having come of age. Their success is based on a stronger plant costing less money.

The Georgia plant-certification system is one of the most effective sanitation jobs we have known. It covers soil practice, certification of seed, spraying, and packing.

The seed must not only be certified by the state of origin, but must pass a biological test for freedom from pathogenic organisms. The present disinfectant, New Improved Ceresan, has proved far more effective than the bichloride of mercury treatment in use up until last year. This new ethyl mercury phosphate has almost completely controlled the dreaded *Macrosporium solanum*, or stem-rot disease, which formerly took a heavy toll.

The following letter, from Athens, Ga., dated November 12, 1938, we consider significant. These 40 samples of Tomato seed were disinfected in the process illustrated on page 5.

Dear Mr. Stokes:

I am inclosing attached reports on 40 samples of Tomato seed you sent me for tests.

All of these are very well disinfected and the few organisms, such as *Penicillium*, Yeast, and *Aspergillus*, are secondary saprophytes. There were only a few cases of *Macrosporium* or *Bacterium vesicatorium*. These are the cleanest seed you have ever sent here.

In regard to the germination, most of the samples ran 90 per cent or better, but four or five, as you will see, germinated rather low, and if you think there might have been some slip in the sample, I will be glad to run germination tests again on them.

Very truly yours,

JULIAN H. MILLER, *Plant Pathologist.*

Our Contribution to American Tomato Varieties

Atlantic Prize.....	1889
Sparks' Earliana.....	1900
Bonny Best.....	1908
Master Marglobe.....	1930
Stokesdale.....	1936
Valiant.....	1937

Stokes Tomato Plants are packed 100 to the bundle and there are usually 5 bundles to the $\frac{5}{8}$ basket. They are packed in damp moss and remain fresh and strong.

This photograph was taken two hours after the arrival of the car shown on the opposite page, shipped from Georgia May 7, arriving in Mt. Holly, N. J., May 9, 1938.

SOUTHERN-GROWN PLANTS • Available During May from Stokes Pedigreed Seed

THERE will again be a large acreage of Tomato plants grown in Georgia in the spring of 1939 from Stokes Tomato Seed. Early bookings are always heavy and we advise reasonably prompt placing of orders. It has been our experience that the best plants from Georgia are obtainable between April 25 and May 20.

Under certain conditions of weather after May 20 it has been found necessary to withdraw certain Georgia acreage from certification because of the incidence of *Macrosporium*. We are therefore planning to produce our plant-supply for late season shipment in South Carolina. This will be of special interest to our New York State customers who ordinarily cannot plant their fields until May 25. The Georgia plants will be certified. South Carolina plants will not be certified. No official certification system is available in South Carolina at this time.

The schedule of varieties and shipping dates will be adhered to as nearly as possible, weather permitting.

Price f.o.b. Southern shipping point, \$2 per 1000

Price f.o.b. New Jersey receiving point, \$2.50 per 1000

Solid cars will be shipped to any point

Plants are packed in $\frac{5}{8}$ -bushel baskets. These usually contain five bundles of 100 plants per bundle.

Except for private truck delivery, we recommend f.o.b. New Jersey basis, for solid cars arrive a day sooner than L. C. L. shipments.

Varieties Available

VALIANT

STOKESDALE

RUTGERS

MASTER MARGLOBE

Strain Six

Strain Eight

This photograph was taken at Mt. Holly, N. J., the morning of May 9, 1938. It is a typical Tomato plant delivery. Very often an entire car is completely unloaded within an hour after its arrival.

THERE ARE MANY DIFFERENT IDEAS ON SPACING TOMATOES

	Plants per Acre
3 feet x 1 foot	14,520
3 feet x 2 feet	7,260
3 feet x 3 feet	4,840
4 feet x 1 foot	10,890
4 feet x 2 feet	5,445
4 feet x 3 feet	3,630
4 feet x 4 feet	2,723
5 feet x 3 feet	2,901
5 feet x 4 feet	2,178
5 feet x 5 feet	1,743

Where Is Vincentown?

Vincentown, our Company headquarters, is located in the rich dairy farming district of Burlington County, New Jersey. We are 25 miles east of Philadelphia, out Route 38 from the Camden airport; 22 miles south of Trenton on Route 39; 80 miles south of New York via Routes 25 and 39. A company car will always be sent to the nearest railway station or airport for non-motoring visitors. Our Stokesdale Proving Grounds are usually at their prime in early August. Our telephone is Vincentown 1.

VALIANT . . .

Extra-Early • Extra-Solid • Extra-Large

Valiant is a brilliant Tomato and has a brilliant future

VALIANT, a Stokes 1936 introduction, now in its seventh generation of single-plant selection, has performed well. Because it is comparatively new, we print on this page an unusual number of letters received from those who have planted it. It will be noted that the most favorable results were obtained in the more northerly states. Valiant is *not quite* as early as Lange's Earliana, but its superior quality has, as a rule, made it more profitable. Valiant is a market, not a cannery, Tomato. Its ability to develop large, solid fruits within three days of Earliana will astonish you. We especially recommend it for heavier soils which will develop and maintain an ample vine-growth. Valiant has proved to be this year's most profitable Tomato for a large number of our customers.

Price, postpaid: Trade pkt. 25 cts.; oz. 50 cts.; 1/4 lb. \$1.50; lb. \$5; 5 lbs. \$22.50

MAINE

The Valiant is all one could ask for in a Tomato. It is as early as the Earliana, and the quality is 100 per cent better. I sold some of them to a market here and they stood up for ten days after fully ripe, while the ordinary strains in the market were too soft for sale after three or four days.

I have always had good success with your seed; in fact, it is the best that I have ever been able to obtain. I do not think that it is possible to produce any better seed.—J. T. S., Bangor.

I consider the Valiant Tomato the best new introduction to date. It possesses vigor of plant, productiveness, size of fruit, shape, and quality found in no other early Tomato.—H. L. H., Oakland.

Valiant was the best Tomato we ever had. Very solid, free from cracks, and of excellent flavor. As to earliness, they were not enough behind Earliana to be noticeable. I have never been disappointed in Stokes' seeds.—C. J. T., Auburn.

MASSACHUSETTS

We took about \$90.00 from about 650 plants of Valiant. Quite a number of the plants were ruined at the height of their season by rain, and others were obviously injured. The quality was often remarked upon, especially their firmness and keeping qualities. Even dead-ripe fruit did not become soft nor bruised.—J. O. W., Merrimac.

I was surprised greatly at the crop, size, and earliness of Valiant.—C. R., Ludlow.

I am pleased to say that this was the biggest Tomato year I ever had. Your Valiant is a real mortgage lifter. I believe that Marglobe is a little better market Tomato than Stokesdale. Rutgers is much firmer than Marglobe or Stokesdale but give me *Valiant, the Champion*.—J. G. R., Taunton.

NEW YORK

Your Valiant is the only new variety I planted this year. I am very pleased with it. It is not only very early but a firm Tomato of good quality. I rely on Pritchard for midseason and late Tomatoes.—E. H. B., Poughkeepsie.

It is indeed a task to sit down and write all about the beauty, firmness, and productivity of your Valiant. We have never had a Tomato which exceeded our expectations in every way as much as did this one. It is certainly the most bountiful, firm, and easy-growing Tomato to be raised.—B. Bros., Altamont.

CONNECTICUT

Valiant Tomato turned out finely, just as your catalogue stated. Will order again for next year. Stood up very well for shipment to local market.—T. N. J., Stratford.

This year tried some Valiant along with other varieties and liked them very much and plan to raise at least 10,000 Valiants next season. They did very well under adverse conditions and bore heavier and longer than many kinds.—W. H. R., Suffield.

KANSAS

All of the Stokes varieties were of fine quality. As expected, the varieties behaved differently in respect to yield. We are more than pleased with the Valiant and think it will eventually find a place in this territory.—F. P. E., Hays.

WASHINGTON

Valiant performed very well for us in two different locations this past season. It was ahead of Nystate, Marglobe, John Baer, and Pritchard in one lot, being surpassed only by Chalk's Jewel. In the other area Valiant was ahead of all others in yield per plant except Nystate, being several pounds per plant ahead of Marglobe, Penn State, Pritchard, and John Baer.—A. G. B. B., Corvallis.

RHODE ISLAND

Your Valiant Tomato was compared to Comet, Bestal, Scarlet Dawn, and Earliana, both staked and unstaked, the past season. It was not quite as early as Comet and Bestal but comparable to Scarlet Dawn and earlier than Earliana in our trials. It ranked second in total yield of No. 1 fruits.—F. K. C., Kingston.

COLORADO

We like the Valiant better than anything we had in the field.—E. H., Denver

MONTANA

We had good results from Valiant. We find it as early as Earliana with much better quality. Stokesdale is an improvement on Break o' Day and a few days later than Valiant.—H. W. U., Glendive.

STOKESDALE . . .

Second-Early • Large • Productive

Valiant and Stokesdale are selections from the same hybrid. Both have been developed on our own Proving Grounds. Both are important in that each is a new *kind* of Tomato. Stokesdale develops a heavier vine, is one week later in maturing, and is therefore a Tomato of more general usefulness. As a market Tomato it has been hugely profitable in the Florida-Georgia-Texas belt. The same goes for New Jersey, Pennsylvania, West Virginia, Michigan, and Wisconsin. As a cannery Tomato it has performed with distinction, especially in New York State. It usually ripens ahead of Bonny Best, but is 2 ounces heavier. It will average one week earlier than Master Marglobe. Its producing power will amaze you. These newly received customers' letters tell the rest of the story:

Price, postpaid: Trade pkt. 25 cts.; oz. 50 cts.; 1/4 lb. \$1.50; lb. \$5; 5 lbs. \$22.50

PENNSYLVANIA

Stokesdale was very good under practically all conditions. In several of the rural counties in central Pennsylvania, such as Clearfield, Jefferson, and others, it was especially good, since the season is not long enough for a later variety. Personally, in looking over what we consider the early and second-early varieties, I believe that Stokesdale heads the list. In comparison with Bonny Best, John Baer, Chalk's Jewel, Pritchard, and others of that particular group, Stokesdale is also a little earlier and yields very heavy.—W. B. N., State College.

We are glad to tell you our experience with your Valiant and Stokesdale Tomato seed. We consider them the best varieties we have ever grown. They are very solid, have an excellent flavor and are prolific and we expect to continue to grow these varieties.—M. G. J., Jr., Tunkhannock.

CONNECTICUT

Stokesdale and Marglobe were both fine. Stokesdale yielded tremendously. We sold over 500 half bushels from 900 plants. This doesn't seem possible but it's an actual fact. Marglobe set late and cracked quite badly.—J. W., Mystic.

MASSACHUSETTS

We have heavy rocky soil but Stokesdale did very well this year. It is very productive. I don't think I will ever raise any other Tomato but Stokesdale. We also had Rutgers. It did pretty good but not as well as Stokesdale and I am very pleased that I have found the right Tomato to grow. Thanks to you.—S. S., West Springfield.

KANSAS

Stokesdale produced more than Rutgers, Master Marglobe, Pritchard, and Bonny Best—fruits were larger and no cracks. It is the ideal Tomato for this territory. Under normal conditions I believe it will break all production records. Also proved to be the best-quality Tomato that has ever been grown in the Middle West.—H. A., Hiawatha.

NEW YORK

We had very fine results from the Stokesdale seed that we received from you. Some of our acreage turned out 15 tons per acre of good firm fruit. When we get ready to take on our requirements for another season, we shall contact you for more seed.—Wm. Bewley, Middleport.

WISCONSIN

I surely am more than pleased with the results I had the past three years with the Stokesdale variety. It surpasses any others I have raised in quality, size, and yield.—E. V., Thiensville.

VERMONT

I doubt if you can ever improve on the Stokesdale Tomato any more than I think you can ever issue a more attractive catalogue than you did for the year 1938. Both seem to me as near perfection as is possible. For me the Stokesdale proved much better than the Valiant—stronger plants, better foliage, and more solid fruit.—S. N. G., Ascutney.

SOUTH DAKOTA

Valiant and Stokesdale have performed very well for me here in spite of the extremely dry weather. They produced a large crop of large, smooth Tomatoes that anyone could pick and sell and feel that his customer was getting his money's worth both in size and quality. Pritchard is another good Tomato.—A. L. M., Brookings.

MONTANA

Valiant and Stokesdale, here in Missoula, Mont., were wonderful. They began to ripen July 20 and at this date (October 18, 1938) they are still full of ripe and green Tomatoes. I had no culls from Valiant or Stokesdale.—J. C. S., Missoula.

TEXAS

Stokesdale made a creditable showing again this season, being second to Break o' Day and Bonny Best, in yield and earlier fruit.—W. H. F., Weslaco.

Stokesdale at Westfield, N. Y., August 31, 1938. This field of Messrs. Meed and Loveless was reported to have yielded in excess of 25 tons per acre. It was almost impossible to walk through this field without damaging the fruit. It was one of the very heaviest crops we have ever seen.

LANGE'S EARLIANA . . .

*Grown in Ontario by our Canadian
Associates • Stokes Seeds Ltd.*

A vastly improved selection out of the Spark's Earliana introduced by Johnson & Stokes in 1900. The seed we are offering this year has been grown for us in Ontario by our Canadian associates, Stokes Seeds Limited. In our opinion it is the earliest and smoothest stock of Lange's Earliana we have ever offered.

The success of the variety is due to its ability to produce fully half of its crop during the first ten days of harvest. The crown-set is exceptionally heavy and the Tomato is unusually smooth and deep for Earliana. In our opinion it is the finest Earliana available at any price. Blocked plants in New Jersey ripened as early as June 20. It is not at all unusual for the crown-set to carry fully six to twelve developed fruits.

Price, postpaid: Trade pkt. 25 cts.; oz. 50 cts.; 1/4 lb. \$1.50; lb. \$5; 5 lbs. \$22.50

NEW JERSEY

We had a good crop of Lange's Earliana and Valiant. Rutgers grew in crop fairly well but was terribly hurt by the storm. I think that the seed of all three kinds we tried were high grade.—W. N. C., Monroeville.

MICHIGAN

All the Tomatoes I raised were of the Lange's strain of Earliana. I had a good crop, the first home-grown on this market. They were of good size and quite uniform.—E. H. C., Ipsilanti.

This photograph speaks for itself. It portrays part of the Lange family in their Earliana field on their farm near Swedesboro, N. J.

NEW YORK

All that have reported agree on the superior character of Valiant. We found it exceptionally early, of fine form and superior quality. I shall use it next year as my No. 1 early variety. Of course, as a second early, Stokesdale has been highly satisfactory with my trade for the past two years. As a late variety, Rutgers leads all others. I find it a wonderful Tomato for all uses.—J. W. D., Skaneateles.

ILLINOIS

I have used your Tomato Seed for several years and find it the best to be found on the market any year. My son and I prune and stake all of our plants, some to single stalk and others to two stalks. We sure had some fine Tomatoes last season, some Valiant weighing as high as 12 to 16 ounces each. Twenty Valiant Tomatoes weighed 16 pounds. Merchants we sold to said they were the best Tomatoes in this district. Everyone likes the solid meat of all of your Tomatoes.—W. L. M., Decatur.

PENNSYLVANIA

The Valiant Tomatoes were wonderful. I had very large stalks and they were loaded with fruit. I never had so large an early Tomato. Lots of hands had eight Tomatoes as large as a tin cup and larger and very solid. I mulched my plants with straw and the fruits were as smooth as hothouse Tomatoes. There were no cracks in the stem ends. The stalks were still green when I was through picking. No signs of blight.—J. B. B., Johnstown.

We were very well pleased with Valiant. It came very early for us and was far smoother than Earliana. Production good. Plants set April 28, first picking July 1. Stokesdale was a little later. Production good. Similar to Bonny Best.—B. Bros., Malvern.

Your Valiant was the most wonderful early Tomato I ever raised. It is large, solid, very meaty, and a wonderful producer. Starting to ripen early in July, it continued to fruit very heavily until late September. Took first and second premiums at our Fair among 25 entries. Stokesdale is also a very large Tomato and did well for us.—O. W. B., Commodore.

BONNY BEST . . .

Grown in New York State under Ideal Conditions

For nearly thirty years the Bonny Best-John Baer family has been the outstanding leader of the second-early group. It is a Tomato of enormous economic importance in New York, Michigan, Wisconsin, Washington, and Oregon. Walter P. Stokes introduced the original Bonny Best in 1908. The strain we are offering is known as the Carrier Strain. It is large, deep and smooth, and is a heavy producer. We have harvested this 1938 seed in New York State. It is an excellent stock which is strongly recommended.

Price, postpaid: Trade pkt. 25 cts.; oz. 50 cts.; 1/4 lb. \$1.50; lb. \$5; 5 lbs. \$22.50

This field of Bonny Best was photographed near Williamson, N. Y. It produced in excess of 20 tons per acre

Proving-Ground Stocks for Greenhouse Forcing

Each year we supply important quantities of this elite seed to growers of hothouse Tomatoes. It is also in demand by others who can profit by absolute perfection in their operation. This seed is comparable in every way to stock seed for our own pedigreed acreage. It is all grown at Stokesdale and is all the direct product of single-plant selection.

The fact that customers purchase this obviously high-priced seed year after year indicates that the extra investment pays its way. The high production expense of hothouse Tomatoes requires that only the most perfect seed-stocks be used. The five varieties offered give a fair range of choice. Here again we recommend that at least two, if not three, varieties be used. Growing conditions and changing market values make that much diversification desirable.

PRICE OF ANY OF THESE SPECIAL STOCKS, POSTPAID

(All Grown on Stokesdale in 1938)

Trade pkt. \$1; 1/4 oz. \$1.75; 1/2 oz. \$3; oz. \$5; 1/4 lb. \$17.50

I am glad to say in regard to the Tomatoes which I raised in the greenhouse last winter that the Stokesdale did very well for an inside crop. I had Bonny Best for about two-thirds of my planting and the rest Stokesdale. The latter made larger Tomatoes and very smooth and solid. I want to grow more of them next year and shall be needing seed for same.—B. B., Colora, Md.

Varieties Available:

VALIANT
STOKESDALE
BONNY BEST
PRITCHARD
MASTER MARGLOBE-
STRAIN EIGHT

PRITCHARD . . .

The Last Origination of a Great Plant Breeder

WE HAVE a wholesome respect for the Pritchard Tomato. Under certain growing conditions, this variety far outyields all others. This particularly applies to New York and to New England where Marglobe ordinarily does not ripen a full crop. In maturity, Pritchard will average five days ahead of Marglobe.

Pritchard, a Marglobe × Cooper's Special hybrid, originally introduced by the U. S. Department of Agriculture as Scarlet Topper, was officially renamed by the Department to honor its originator, the late Dr. Fred J. Pritchard. His originations in wilt-resistant types have had a vast influence on Tomato production in the United States.

Pritchard is a plant of the determinate growth type and because of this it is highly desirable to feed it heavily in order to develop as heavy vine as possible. We recommend that ammonia in some available form should be applied before the fruits develop. Reasonable vine protection is very desirable.

**Price, postpaid: Trade pkt. 25 cts.; oz. 50 cts.;
1/4 lb. \$1.50; lb. \$5; 5 lbs. \$22.50**

PRITCHARD

COMPARATIVE VARIETY TRIAL of STOKES STRAINS AT UNIVERSITY OF MINNESOTA, ST. PAUL, 1938*

VARIETY	Date of First Ripe Fruit	Yield (lbs.) †	Average Size (lbs.)	Marketability (%)	Shape (%)	Smoothness (%)
Stokesdale	8/8	601.5	.3425	89.1	75% intermediate 25% globe	95.0
Rutgers	8/15	343.4	.4548	95.1	20% intermediate 80% globe	96.8
Valiant	8/8	801.7	.4137	93.4	28% intermediate 72% globe	93.3
Master Marglobe	8/15	390.8	.3566	96.2	10% intermediate 90% globe	100.0
Earliana	8/8	1032.8	.2495	77.3	100% flat	50.0

*This report is printed through courtesy of Professor T. M. Currence.

†Yield from 40 plants of each variety. Total of 10 pickings.

Our good customer, Mr. Thomas T. Hersey, Mitchell, South Dakota, two years ago was ruined by grasshoppers. Did he throw up his hands and quit? He certainly did not. Instead he made some giant models and made the hoppers go to work for him. These netted Mr. Hersey some real money. *Life* Magazine published four photographs of his insects in November. The old American spirit isn't dead yet!

Germination Tests in State Laboratories on Stokes Tomato Seed, November, 1938

VARIETY	New Brunswick, N. J. (%)	eneva, N. Y. (%)
Valiant. Lot A	90	96
Stokesdale. Lot A	77	82
Stokesdale. Lot B	77	74
Stokesdale. Lot C	82	75
Bonny Best. Lot A	92	95
Rutgers. Lot A	97	98
Rutgers. Lot B	96	96
Rutgers. Lot C	96	98
Master Marglobe No. 6. Lot A	91	94
Master Marglobe No. 6. Lot B	93	96
Master Marglobe No. 6. Lot C	92	92
Master Marglobe No. 8. Lot A	91	94
Master Marglobe No. 8. Lot B	95	94
Master Marglobe No. 8. Lot C	92	92

PENNSYLVANIA

I did not have any Valiant—only Stokesdale, Pritchard, and Rutgers. The Stokesdale did well, but of the three, Pritchard is my favorite. The fruits were only a few days later than Stokesdale and the plants yielded far more. Pritchard is my favorite of all I've tried so far.—H. J. B., Olyphant.

RUTGERS . . .

Main Crop—Large—Vigorous—Productive

RUTGERS is rapidly establishing an important place in the industry. Although it was originally intended as a canner type (Campbell Soup Company made the original Marglobe × J. T. D. cross), Prof. L. G. Schermerhorn of the New Jersey Experiment Station has worked hard and long to refine it to a shipping Tomato as well. Considerable success has attended this effort.

The remarkable fact about Rutgers is its vigorous plant. Its central stalk is so strong and tall that the entire structure has the ability to withstand adverse weather better than any other variety we know. The next important quality is the large size of its fruit. This is of the solid, thick-wall type demanded in modern Tomatoes. Its color is notoriously fine.

Rutgers requires special handling in its feeding. Care should be taken to withhold nitrogen at least for six weeks after setting in the field. An oversupply of nitrogen will retard maturity, develop large, ill-shaped fruit, and materially lower production. Reports on Rutgers have not been favorable from all districts, but where conditions suit, it performs favorably. We are doing our part to develop a refinement of fruit type that will make it more profitable as a market and shipping Tomato.

Price, postpaid: Trade pkt. 25 cts.; oz. 50 cts.; 1/4 lb. \$1.50; lb. \$5; 5 lbs. \$22.50.

PENNSYLVANIA

Paired with Rutgers, your Stokesdale makes a most satisfactory combination for any truck farmer. Of course, Master Marglobe, in my estimation, is a superior shipping Tomato, although I can see no reason for any farmer wanting a finer strain of Tomato than your Stokesdale. Most hands of your Stokesdale developed several Tomatoes of over 3-inch diameter—truly a wonderful sight to any truck farmer.—E. H. B., Bloomsburg.

MICHIGAN

We are very well pleased with our crop of Tomatoes, the seed of which was purchased from your seed-house. Valiant produced a heavy crop of Tomatoes, as did the Strain Six of Stokes Master Marglobe and the Rutgers. This is October 24 and we are still able to pick perfect Tomatoes. We have built up a fine trade for such good produce. You may feel assured that you will receive our Tomato seed order for 1939.—W. H. D., Milan.

F. C. Stokes and Prof. L. G. Schermerhorn on our Stokesdale Proving Grounds the afternoon of our Field Day, August 17, 1937.

MARYLAND

Your seed proved very satisfactory for me this year. The Master Marglobe and Rutgers produced excellent fruit. I was very well pleased with the results, both in quality and production.—R. B., Westover.

Mr. and Mrs. Harry C. Luttrell, Berkeley Springs, W. Va., with the prize-winning package of the Tomato Festival—a basket of Rutgers

Photograph by Henry Ruppenthal, Jr

MASTER MARGLOBE • Strain Six

The Industry's Foremost Shipping Tomato

Stokes Master Marglobe is a heavy producing, large solid Tomato.

The full story of Master Marglobe is on the opposite page. The points for emphasis in Strain Six are perfection of shape, interior solidity, and general brilliance of appearance. We have spent eleven years and over \$25,000 in an effort to make this the finest slicing Tomato in America—"the Tomato with the extra slice." Its very broad use is an indication of the success of this effort. Strain Six is streamlined and finely bred.

The fame of this beautiful shipping Tomato is almost legendary. It is conceded to be the most important market Tomato in North America. You are cordially invited to share in its success. Almost any good thing is imitated by those who are unwilling to lay their own groundwork.

Planters desiring the genuine Stokes Master Marglobe must look for it in Stokes tamperproof container. For your protection, and for the protection of our own heavy investment, the name Stokes Master Marglobe is now guarded by a registered trade-mark.

**Price, postpaid: Trade pkt. 25 cts.; oz. 50 cts.; 1/4 lb. \$1.50;
lb. \$5; 5 lbs. \$22.50**

PENNSYLVANIA

My Tomatoes, Master Marglobe, Valiant, and Stokesdale, set an immense quantity of green fruit and I did have a fair crop. I have a small retail greenhouse and sell about 20,000 plants per year. Considering adverse conditions, the quality was superior as to smoothness, size, flavor, and solidity. I consider your strains highly superior and shall continue to plant them until something better is developed.—H. A. W., Halstead.

Now the Master Marglobe was different. I had given the neighbors quite a few of these plants and they tell me they were as fine Tomatoes as they ever had. The most favorable comment was in regard to its being such a fleshy Tomato with a remarkably thick side wall and such a small seed-cavity.—C. A. Y., Lancaster.

NEW YORK

From my soil no variety I have tried can touch Marglobe. The seed and plants of that variety were 100 per cent satisfactory.—L. C., Oceanside.

The Mitchell sisters are daughters of our Beaufort, S. C., agent, Mrs. Charles B. Mitchell. Both are students at Coker College.

MASTER MARGLOBE • Strain Eight

Large, More Productive, But Not So Deep. A Grand Stock

MASTER MARGLOBE is now in its fifteenth year of single-plant selection. We believe this in itself establishes a record. It has recently been a matter of satisfaction to us to note that in a number of Federal and state experiment station trials Master Marglobe had been used as a check to establish the standard Marglobe type.

Strain Eight has been under development for the past four years. In it we aimed at a different goal—size and production in place of absolute perfection of form. Our primary aim was for the canning industry, but we soon found that many shippers welcomed a Master Marglobe of larger size. This particularly applied to the older producing areas where the soils are not as potent as they once were.

Yes, it is true that Strain Eight will show a depth to width ratio of from 5 to 10 per cent below Strain Six, but in many instances that is more than overcome by the size factor. Eight has much of the beauty of form and interior solidity so long associated with Master Marglobe. Having a slightly heavier vine-growth, Eight requires 3 to 4 days longer for maturity than Six.

It is difficult to over-emphasize the strong qualities of Strain Eight Master Marglobe for manufacture of Tomato juice: Its color is bright red; its flavor is unusually sweet and pleasant; and it is free from serious blossom-end scar. As is the case with all thick-wall varieties, there is some radial cracking. Apparently we are far from conquering this trouble.

Price, postpaid: Trade pkt. 25 cts.; oz. 50 cts.; 1/4 lb. \$1.50; lb. \$5; 5 lbs. \$22.50.

NEW JERSEY

Your Master Marglobe Tomato has no equal. Valiant and Stokesdale cannot give true report as they did not have fair trial.—F. C., Rochelle Park.

The Stokesdale and Master Marglobe turned out to be very successful and one of the finest crops we ever had.—B. H. Co., Pleasantville.

PENNSYLVANIA

As to germination, they could not be better unless you have seed that would germinate twins 100 per cent. I had wonderful reports on your Master Marglobe. Good reports on Valiant and Stokesdale.—W. G. C., Johnstown.

We grew Master Marglobe. It was as perfect as any Tomato we ever saw. We sell more Master Marglobe plants, wholesale and retail, than any other variety. Next to it is your Stokesdale, one of the very best early varieties that we grow for plant-sale. We put it on the market the first time in 1937 and our customers who purchased plants of Stokesdale came for more plants in 1938, with glowing reports of the large-size, fine-quality

fruit. We use the best seeds we can get, regardless of the cost, in order to maintain the quality of the plants we sell. We expect to use your Tomato seed as long as we can get it.—D. E. Z., Chambersburg.

MICHIGAN

I cannot say enough about your Master Marglobe. They are disease-resistant to the very end and ripen perfectly. They are very heavy bearers under the same condition that the Valiant and Stokesdale were grown in, and the Master Marglobe came through with flying colors. I just finished picking them this week, October 14. They started to bear about August 10.—A. C. B., South Haven.

VIRGINIA

Master Marglobe has continued to hold up very well and has produced excellent crops. Stokesdale seems to give very good results on land which is not infested with wilt. On wilt land it does down very badly, however.—L. B. D., Blacksburg.

**"WALL STREET"—Warehouse No. 1, Vincenttown
Oct. 10, 1938**

This answers the question of reduced seed costs. Were it not for our utilizing as Tomato juice the by-product of our 3000 tons, Stokes Tomato Seed prices would be double their present figure. Stokes Tomato Juice is manufactured under strict laboratory control from freshly gathered, quickly handled, pedigreed Tomatoes. Practically the entire 1938 pack was rated Grade A by Government test.

Photo by Rod Allen