

53500 to 53527. PHASEOLUS spp. Fabaceæ. Bean.

From Reading, England. Seeds purchased from Sutton & Sons. Received April 4, 1921.

Introduced for experiments in breeding disease-resistant strains.

53500 to 53511. PHASEOLUS COCCINEUS L. Scarlet Runner bean.

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| 53500. <i>Champion Scarlet.</i> | 53506. <i>Sutton's Mammoth White.</i> |
| 53501. <i>Chelsea Giant White.</i> | 53507. <i>Sutton's Painted Lady.</i> |
| 53502. <i>Ne Plus Ultra.</i> | 53508. <i>Sutton's Prize Winner.</i> |
| 53503. <i>Scarlet.</i> | 53509. <i>Sutton's Scarlet.</i> |
| 53504. <i>Sutton's A-1.</i> | 53510. <i>Veitch's Hackwood Park.</i> |
| 53505. <i>Sutton's Best of All.</i> | 53511. <i>Veitch's Mammoth Scarlet.</i> |

53512 to 53527. PHASEOLUS VULGARIS L. Common bean.

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| 53512. <i>Canadian Wonder.</i> | 53520. <i>Sutton's Mcnster Negro.</i> |
| 53513. <i>Long-Podded Negro.</i> | 53521. <i>Sutton's Perfection.</i> |
| 53514. <i>Sutton's Canadian Wonder.</i> | 53522. <i>Sutton's Plentiful.</i> |
| 53515. <i>Sutton's Everbearing.</i> | 53523. <i>Sutton's Prolific Negro.</i> |
| 53516. <i>Sutton's Evergreen.</i> | 53524. <i>Sutton's Reliance.</i> |
| 53517. <i>Sutton's Forcing.</i> | 53525. <i>Sutton's Satisfaction.</i> |
| 53518. <i>Sutton's Green Gem.</i> | 53526. <i>Sutton's Superlative.</i> |
| 53519. <i>Sutton's Magnum Bonum.</i> | 53527. <i>Sutton's White Haricot.</i> |

53528 to 53531. SACCHARUM OFFICINARUM L. Poaceæ.**Sugar cane.**

From Saint Croix, Virgin Islands. Cuttings presented by Dr. Longfield Smith, agronomist in charge, Agricultural Experiment Station. Received May 9, 1921.

53528. S. C. 12/4.

A cane which has shown the most promise in a test of 120 varieties (imported and Saint Croix seedlings which had given promise in previous trials). It has given a larger yield in weight than other good canes previously grown. The canes yield quite as much juice as the standard cane, *Ribbon*, and the juice is generally distinctly richer in sucrose. The canes are fairly stout, an average specimen having a circumference of 5 to 6 inches. The internodes are 5 to 7 inches long. An exceptionally good specimen in a rotation field had 33 joints and gave the following measurements: Weight of cane, 21 pounds; length, 12 feet; circumference, 6.25 inches. (Adapted from *Louisiana Planter and Sugar Manufacturer*, vol. 66, p. 308.)

53529. S. C. 12/37.

A cane which gives good results as a plant and also as a ratoon. It yielded 5.9 tons per acre, showing an increase of 2.1 tons per acre over the *Ribbon* control plots. The ratoons gave 22.1 tons per acre. (Adapted from *Report of the Agricultural Experiment Station in St. Croix, 1914-15*, p. 18.)

53530. S. C. 13/13.

This cane gave 6.2 tons per acre, showing an increase of 2.9 tons over *Ribbon* cane. The ratoons gave 13.2 tons per acre. (Adapted from the *Report of the Agricultural Experiment Station in St. Croix, 1914-15*, p. 20.)

53531. [No label.]