

**27201 to 27288—Continued.****27201 to 27257—Continued.**

**27255.** *Argentine.* Grown from S. P. I. No. 3507. Source of parent seed Buenos Aires, Argentina (imported in 1899). One plant yielded 10 grams of seed.

**27256.** Utah, irrigated. Grown from S. P. I. No. 22558. Source of parent seed, Gunnison, Utah (crop of 1907). Eight plants yielded three-fourths pound of seed. Average per plant 42 grams; 530 seeds per gram.

**27257.** *Argentine.* Grown from S. P. I. No. 12549. Source of parent seed, Buenos Aires, Argentina (imported in 1905). One plant yielded 56 grams of seed; 567 seeds per gram.

“In making comparison as to yield of seed careful notice must be taken of the number of plants from which the yield was obtained. A large number indicates a thicker stand in the rows, hence less opportunity for full development. Fair comparisons may be made in most cases between strains represented by approximately the same number of plants.”

**27258 and 27259. MEDICAGO SATIVA L.****Alfalfa.**

**27258.** Commercial sand lucern. Grown from potted plants of S. P. I. No. 25110, which were started in the greenhouse at Washington and sent to Dickinson, N. Dak. Original seed received from Zurich, Switzerland. Fifty-five plants yielded  $2\frac{3}{8}$  pounds of seed, an average yield per plant of 20 grams.

NOTE.—This number and Nos. 27261 and 27262 below were not grown from seed produced at Zurich, but from samples that were submitted by seedsmen of Darmstadt, Germany, to the seed-control station for test.

**27259.** Grown from P. L. H. No. 3411, which is inbred *Grimm* alfalfa produced in 1908 at Dickinson, N. Dak., by a selected plant from the same parent seed as P. L. H. No. 3235 (see No. 27201 above). Present sample grown in 1909. Sixteen plants yielded 1 pound of seed, an average yield per plant of 29 grams. Mr. Waldron reports that the winter of 1909–10 killed a much larger percentage of this inbred strain than the open-pollinated *Grimm* included in various experiments. Whether this killing was due to deterioration or whether the selected parent happened to be a nonhardy one can not be said, but it suggests an interesting experiment.

**27260. MEDICAGO SATIVA VARIA (Mart.) Urb.****Sand lucern.**

Grown from P. L. H. No. 3386, which is true sand lucern produced by S. P. I. No. 20571, obtained by Prof. N. E. Hansen from Ultuna, Sweden. Forty-nine plants yielded  $2\frac{1}{2}$  pounds of seed, an average per plant of 23 grams.

**27261 to 27266. MEDICAGO SATIVA L.****Alfalfa.**

**27261.** *Commercial sand lucern.* Grown at Dickinson, N. Dak., from S. P. I. No. 25111 (see No. 27258 above). Fifty-two plants yielded  $1\frac{3}{8}$  pounds of seed, an average per plant of 12 grams.

**27262.** *Commercial sand lucern.* Grown at Dickinson, N. Dak., from S. P. I. No. 25112 (see No. 27258). Fifty-five plants yielded  $2\frac{1}{2}$  pounds of seed, an average per plant of 21 grams.

**27263.** Seed from volunteer plants that have persisted for several years on the site of an old experimental plat that was possibly *Grimm*.