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The Northeast Regional Plant Introduction Station has first responsibility for the maintenance of Lotus introductions in the National Plant Germplasm System. A 26-page cumulative catalog has now been prepared of all the Lotus introductions we have received and for which we have seed increases in the seed storage. This catalog was prepared as a computer printout and the print is large and legible. It lists all of the introductions that are available from the lowest P.I. number (P.I. 157531) to the highest P.I. number (P.I. 356000). The catalog is in tabular form, it gives the P.I. number, the country of origin, and plant descriptors as follows: uniformity from plant to plant, habit of growth, vigor of growth, plant size, number of stems, size of stems, leafiness or number of leaves, size of leaves, color of leaves, flower color, date of blooming, time of pod maturity, pod set, recovery after cutting in the late summer, winter hardiness or percentage of plants surviving the winter, and vigor of spring recovery. Notes were also taken on damage due to diseases and insects.

Copies of this cumulative catalog are available from the Coordinator, Regional Project NE-9, N.Y. State Agricultural Experiment Station, Geneva, N.Y. 14456.

Some Promising Introductions of Lotus corniculatus

During the interval mid-June to July 1977, notes were taken on various characteristics of trefoil introductions. Those introductions that were the most vigorous, leafy and persistent and should be further tested for use as forage are: P.I. 228233 Italy, 230332 Tur., 234804 Switz., 235101 Swe., 244036 Braz., 304280 Urug., 358997 Braz., and 383690 Tur.

A comment indicates that P.I. 234804 may be too short and have too low a plant habit for use as hay.

Comments on other promising introductions of Lotus corniculatus are as follows:

P.I. 325376 USSR - conspicuous for retention of good green color into the summer months and also for being a good seed producer.

P.I. 296318 Brazil - vigorous and leafy, not very wide spreading, surprisingly erect. One of the most erect in the planting. No lodging.

P.I. 303820 USA - vigorous and very leafy, not very erect, good dark green color. Showing some amount of leafhopper injury.

P.I. 303824 USA - vigorous and leafy, main feature is long stems, fairly leafy, not very erect, possibly semi-erect.

P.I. 325379 USSR - good retention of dark green color, stems long and almost prostrate, leaves small and slender, resembles Lotus tenuis.

G-18985 Urug. - some plants outstanding, some plants vigorous, leafy and erect. Also long stemmed. Not too good retention of green color, probably leafhopper damage.

G-18989 Urug. - variable but some plants very vigorous, leafy, tall and erect, very many stems. Surprisingly erect and long stems.