Register of Australian Herbage Plant Cultivars

B. Legumes
8. Lucerne
a. Medicago sativa L. (lucerne)

cv. Siro Peruvian
Reg. No. B-8a-4
Registered prior to December 1971

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Origin
The cultivar Hairy Peruvian originated from an ecotype in the Chilean-Peruvian region of South America from material introduced during the period of the Spanish conquest (2). It was introduced into the U.S.A. from Peru by the U.S.P.A. in 1899 (18). CSIRO introduced material from the U.S.A in 1930 (C.P.I. 1353), and on a number of subsequent occasions. Results of trials in Australia were rather conflicting (1, 7, 8, 9, 12, 13, 15). These different results were primarily attributable to variations between the lines of Hairy Peruvian tested (16). Material derived from one particular introduction (C.P.I. 21611) was multiplied under the aegis of the South Australian Department of Agriculture, a foundation seed area established at Wambo Research Station, and seed from it first certified in 1964-5, under the name Hairy Peruvian. The South Australian Herbage Plant Liaison Committee renamed it Siro Peruvian in 1967.

Morphological description
Habit is erect and compared with Hunter River the stems are coarser and less leafy and the leaflets larger and thicker. It cannot readily be distinguished from cv. African. The leaflets of Siro Peruvian do not have the dense pubescence which is a feature of most lines of Hairy Peruvian in the U.S.A. (18). Seeds are slightly larger than Hunter River and average 350-360 000/kg.

Agronomic characters (3-7, 10, 11, 14, 15, 17)
Siro Peruvian is a non-dormant winter type with a long growing period and the ability to make winter growth in mild climates. It is more susceptible to frost damage than Hunter River. Under mild winter temperatures it has given higher yields in late autumn and winter than Hunter River. In spring and summer, yields comparable with or a little higher than Hunter River obtained in most locations. Under hot summer conditions with irrigation Deniliquin, N.S.W., and at Biloela in Queensland, Siro Peruvian gave much higher summer as well as winter yields than Hunter River.

Recovery after cutting is rapid. Persistence, however, is poor and stands are short-lived; on the Tablelands of New South Wales crops thin out after 3-4 years; at Narrabri, N.S.W., under dry land conditions, autumn-winter yield dropped behind that of the Hunter River during the third season; while at Deniliquin, N.S.W., lack of persistence compared with Hunter River was more marked under irrigation than dryland conditions.

Nodulation requirements are the same as for Hunter River.
References