

# Register of Australian Herbage Plant Cultivars

## B. Legumes

### 12. Stylo

#### b. *Stylosanthes humilis* H.B.K. (Townsville stylo)

#### cv. Paterson

Reg. No. B-12b-3

Registered September 1969

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#### Origin

Natural occurrence at 'Greenvale', north Queensland. Seed of Paterson was derived from a single plant of a population grown in a pot experiment at the Pastoral Research Laboratory, Townsville, from seed collected at 'Greenvale'. The Greenvale collection was compared with other naturally occurring lines in trials conducted by CSIRO and the Queensland Department of Primary Industries at a number of sites in north Queensland. Subsequently, Paterson was compared with the Greenvale collection and other lines by CSIRO and the Queensland Department of Primary Industries at sites in north Queensland. Dr. D. Cameron selected it for its early-flowering habit and its good production compared with prostrate types.

Submitted for registration by the CSIRO Division of Tropical Pastures, Pastoral Research Laboratory, Townsville. Breeders' seed held by CSIRO Division of Tropical Pastures, Brisbane. Recommended by the Queensland Herbage Plant Liaison Committee for registration. Registered September 1969.

#### Morphological description

An erect herbaceous annual which is very similar morphologically to cv. Lawson and cv. Gordon. Paterson can be distinguished from cv. Lawson and cv. Gordon by its purplish black seeds (versus brown seed for other two cultivars). Immature seeds may be brown or brown with purple mottling.

#### Agronomic characters

Paterson is an early-maturing type which is adapted to tropical areas with an annual rainfall of 635-890 mm and a long dry season. Its general agronomic characters are similar to those of cv. Lawson. Depending on time of germination, first flowers appear between early February and early March, while in cv. Lawson first flowers usually appear about mid March. In areas with a short growing season, Paterson usually flowers and sets seed normally while the seed production of cv. Lawson may be seriously curtailed or prevented. It nodulates satisfactorily with indigenous 'cowpea-type' rhizobia and commercial cowpea inoculant.