

Register of Australian Herbage Plant Cultivars

B. Legumes

12. Stylo

a. *Stylosanthes guianensis* (Aubl.) Sw. var. *guianensis* (stylo)

cv. Endeavour

Reg. No. B-12a-4

Registered September 1971

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Origin

Derived from seed collected (Q.8558) by Dr. B. Grof. of the Queensland Department of Primary Industries in south-western Guatemala in 1965. The exact location of collection (lat. 14.4°N., long. 91.3°W.) is an area with an elevation of 1860 m and an annual rainfall of 2160 mm with a wet season extending from June to October.

Q.8558 was initially tested over several seasons in preliminary screening trials conducted by the Queensland Department of Primary Industries and the CSIRO Division of Tropical Pastures, and subsequently in comparative field trials at South Johnstone and several other locations.

Submitted by the Queensland Department of Primary Industries and recommended for registration by the Queensland Herbage Plant Liaison Committee. Registered September 1971.

Morphological description

Endeavour is a semi-erect, viscous, densely branching, lower-growing type than cv. Cook. The leaflets are narrow lanceolate and light green in colour. Both leaflets and stems are strongly viscous. The standard and wings are both canary yellow, the colour of the standard thus differing from that of cv. Cook. Other differences between Cook and Endeavour include leaf colour (dark green vs light green), hair colour (red vs light green) and stipule colour (red vs light green).

Agronomic characters

Endeavour is 2-4 weeks earlier flowering than cv. Schofield at South Johnstone, but has a longer period of vigorous growth over a wide range of soil types on the wet coast. It has outyielded cv. Schofield in a number of situations where Schofield has been the principal pasture legume in commercial plantings. It does not, however, have the winter-spring growth of cv. Cook. It nodulates readily with the standard *Rhizobium* inoculant for the species.

Significant features of Endeavour are rapid establishment and early vigour which enable it to compete well with vigorous grasses. It makes very rapid growth in early summer when cv. Cook may be somewhat slow.

Initial indications are that Endeavour is suited mainly to the high-rainfall coastal areas, whilst Cook on account of its early flowering habit will also be useful on areas of more restricted summer rainfall and shorter growing seasons.

Reference

1. Harding, W.A.T., and Cameron, D.G. (1972). New Pasture legumes for the wet tropics. *Qd. Agric. J.* **98**, 394-406.