

Register of Australian Herbage Plant Cultivars

B. Legumes

1. Clover

Trifolium subterraneum ssp. *subterraneum* (Katzn. et Morley) Zohary and Heller (sub clover) cv. Uniwager

Reg. No. B-1d-12

Registered prior to December 1971

Published in the 2nd ed. of the Register of Australian Herbage Plant Cultivars, 1972.

Origin

Derived as a mutant from cv. Geraldton by treatment with ethylsulphonate (1) in a programme conducted by Dr. A.J. Millington and Dr. C.M. Francis at the Institute of Agriculture, University of Western Australia. First certified in Western Australia in 1967.

Morphological description (3,4)

Habit of growth very prostrate and freely branching. The leaflets are obcordatecuneate, medium small, 1 cm long by 1.5 cm wide, with few hairs on the upper surface, uniformly green without markings. The stems are hairy and green in colour, and although an early-maturing variety, Uniwager branches freely; in spaced plants 10-20 runners, with relatively short internodes (5-7 cm), are formed; the runners may branch to form laterals. The petioles are fine, relatively short, 7-9cm, sparsely hairy, and green. Stipules are green with green veins. Calyx tube and lobes are green. Corolla white with distinct pink veins. Seed medium small, dark purple-black.

Agronomic characters (3,4)

Early-flowering, 9-11 days after Dwalganup and matures about four days after Geraldton. The first flower reaches anthesis about third week in August at Perth. The pasture is usually dense and leafy but somewhat less productive than Geraldton in both top growth and seed. Seed is set freely and above ground and appears to have a very rapid rate of development. Oestrogenic activity, extremely low or completely absent (2).

References

1. Francis, C.M., and Millington, A.J. (1965). Isoflavone mutations in subterranean clover. I. Their production, characteristics, and inheritance. *Aust. J. Agric. Res.* **16**, 565-73.
2. Millington, A.J., Francis, C.M., and Davies, H. Lloyd (1966). Isoflavone mutations in subterranean clover. II. Assessment of their oestrogenic activity by ewe and wether bioassay. *Aust. J. Agric. Res.* **17**, 901-6.
3. Millington, A.J. (1966). Personal communication. Inst. Agric., Univ. of Western Australia.
4. Quinlivan, B.J., Francis, C.M., and Poole, M.L. (1968). The certified strains of subterranean clover. *J. Agric. West. Aust.* **9**(4th Ser.), 161-77.