

“Intense Narrow Leaved” Mutant in Alfalfa [*Medicago sativa* L.]

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An “Intense Narrow Leaved” mutant occurring spontaneously in a field of alfalfa cv. T 9 grown during *rabi* 2001-02 for nucleus seed production at CCS Haryana Agricultural University, Hisar was isolated. This intense narrow leaved mutant was designated as INLMA-1. The chief characteristics of the mutant plant are (central leaflet length : 13 mm; central leaflet breadth: 4; length of inflorescence along with peduncle: 2.9 cm; number of open flowers plus closed flower buds in an inflorescence: 10 and plant height: approx. 40-50 cm) as compared to the normal plant having (central leaflet length: 24 mm; central leaflet breadth: 9; length of inflorescence along with peduncle: 3.5 cm; number of open flowers plus closed flower buds in an inflorescence: 18 and plant height: approx. 100-150 cm). The data presented above clearly revealed the remarkable differences in various morphological characteristics in the mutant plant as against the parent plant from where it was isolated. This mutant plant possessing morphological marker traits can be of immense importance for the plant breeders, geneticists and cytogeneticists for making inheritance studies and cytogenetic studies on it and utilizing it in alfalfa breeding program.