QUANTITATIVE ESTIMATION OF SEED PROTEIN AND ESSENTIAL OIL CONTENT IN EIGHT PLANT TYPES OF FENNEL (FOeniculum Vulgare Mill.)

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Abstract: Investigation highlights quantitative estimation of seed protein and essential oil contents (from M1 harvested seeds) in seven macromutants (screened at M2), along with control. Results indicate that in comparison to control protein content enhance in early flowering mutant; while, essential oil content is higher in thick stem, slender stem, pigmented stem and elongated pinnae mutants. It opens up the scope of efficient breeding for raising desirable ‘plant types’ of interest.

Keywords: Fennel, Macromutants, Estimation, Seed, Protein

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