

Study of the fenugreek (*Trigonella foenicum - graecum L.*) morphological characteristic.

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Fenugreek is one of the multipurpose vegetables. Its leaves, due to high protein, minerals, vitamins and ... contents has high nutrient and are used with meals and for meal preparation in different alkaloids with a high medicinal and commercial values, and used as a green manure for livestock nutrition.

in spite of long history of its cultivation in our country and other countries as vegetable and medicinal herb, it has not been classified very well. fenugreeks mostly are classified according to number of leafcuttings and parts of the plant consumed.

Therefore identification of the fenugreeks are very important.

To achieve the above aims two field experiments were carried out in Zanjan and Karaj. the cultivars were compared in a completely block design.

The seed yield was determined after one leaf cutting and no leaf cutting in Karaj and Zanjan respectively. plant height, number of branches per plant, number of pods in each plant and number of seed per pod were compared. 8 cultivars and 7 cultivars were studied in Zanjan and Karaj respectively. The results are as follows:

1- In both field experiments, the seed yields of cultivars were significantly different.