



## Effect of different date of sowing and growing conditions on coriander (*Coriandrum sativum* L.) cv. Gujarat coriander-2

K.M. KARETHA, GIRIRAJ JAT\* AND A.R. LADUMOR

Department of Horticulture, College of Agriculture, Junagadh Agricultural University, JUNAGADH (GUJARAT) INDIA (Email : giriraj1113@gmail.com)

**Abstract :** The present investigation on the effect of different date of sowing and growing conditions on coriander (*Coriandrum sativum* L.) cv. Gujarat Coriander-2 as leafy vegetable, was conducted at Horticulture Instructional Farm, Department of Horticulture, Collage of Agriculture, Junagadh during the year 2010. Seed germination, growth parameters and yield attributes were influenced by different sowing dates. Among them dry weight of plant (2.11 g), green yield (23.52 tonne/ha) and TSS (5.44°Brix), were found maximum in treatment T<sub>5</sub> (sowing at 22<sup>nd</sup> June). Whereas, minimum mortality percentage (3.48 %), width of leaf (2.04 cm) and maximum fresh weight of plant (6.85 g) and germination percentage (77.71 %) were found in treatment T<sub>1</sub> (sowing at 25<sup>th</sup> April). The number of leaves per branch (4.06) and length of leaf (2.29 cm) were found maximum in treatment T<sub>3</sub> and T<sub>4</sub>, respectively (sowing at 08<sup>th</sup> June). Among various growing conditions the germination percentage (76.30 %), length of leaf (2.26 cm), dry weight of plant (2.11 g), green yield (21.82 tonne/ha) and TSS (5.36°Brix) were found maximum, but mortality percentage was found minimum (3.73 %) in C<sub>2</sub> condition (natural ventilated poly house). The number of leaves per branch (3.98) was found maximum in condition C<sub>3</sub> (net house (low-cost)). The width of leaf (2.00 cm) and fresh weight of plant (6.61 g) per plant were found maximum in condition C<sub>1</sub> (fan pad poly house).

**Key Words :** Date of sowing, Growing condition, Coriander

**View Point Article :** Karetha, K.M., Jat, Giriraj and Ladumor, A.R. (2014). Effect of different date of sowing and growing conditions on coriander (*Coriandrum sativum* L.) cv. Gujarat coriander-2. *Internat. J. agric. Sci.*, **10** (2): 524-528.

**Article History :** Received : 10.12.2013; Revised : 26.03.2014; Accepted : 10.04.2014