



**Research Paper**

# On optimum plot size and shape for field experimentation on brinjal (*Solanum melongena* L.) under middle Gujarat condition

■ M.S. SHITAP AND V.B. DARJI

See end of the paper for authors' affiliations

Correspondence to :

**M.S. SHITAP**

Department of Agriculture Statistics, B.A. College of Agriculture, Anand Agricultural University, ANAND (GUJARAT) INDIA

**Paper History :**

**Received :** 27.02.2014;

**Revised :** 21.06.2014;

**Accepted :** 08.07.2014

**ABSTRACT :** An uniformity trial on JBGR-1 of brinjal was conducted at the Main Vegetable Research Station, Anand Agricultural University, Anand to determine the optimum size and shape of the plot using maximum curvature method. The variability as judged by co-efficient of variation (CV) per unit area decreased with the increase in plot size. The optimum plot (net) size obtained and advocated was 6.48 sq. m. covering single row of 7.2 m length and spaced at 0.9 m (7.2 m × 0.9 m) for field experiments on brinjal under Anand condition.

**KEY WORDS :** Plot size, Shape, Field experiment Brinjal

**HOW TO CITE THIS PAPER :** Shitap, M.S. and Darji, V.B. (2014). On optimum plot size and shape for field experimentation on brinjal (*Solanum melongena* L.) under middle Gujarat condition. *Internat. Res. J. Agric. Eco. & Stat.*, 5 (2) : 148-152.