RESEARCH PAPER

ADVANCE RESEARCH JOURNAL OF
CROP IMPROVEMENT
Volume 8 | Issue 1 | June, 2017 | 66-69
e ISSN-2231-640X

DOI :
10.15740/HAS/ARJCI/8.1/66-69
Visit us: *www.researchjournal.co.in*

Effect of plant population on yield and yield components of safflower cultivars in rainfed condition of Vidarbha region

P.C. UKE[1], S.C. VILHEKAR AND E.R. VAIDYA[1]

AUTHORS' INFO
Associated Co-author :
[1]Oilseeds Research Unit (DR. P.D.K.V.) AKOLA (M.S) INDIA

Author for correspondence:
S.C. VILHEKAR
Oilseeds Research Unit (DR. P.D.K.V.) AKOLA (M.S) INDIA
Email: soniavilhekar111@gmail.com

ABSTRACT : This study was carried out to develop best suitable plant population of two safflower cultivars in rainfed condition. The experiment was conducted at Oilseeds Research Unit Dr. P. D. K. V, Akola, during 2015-16 using a Factorial Randomized Block Design with three replications. Plant population were 1.66, 1.11, 0.83, 0.66 and 0.55 lakh plants/ha and cultivars included were Annigeri-1 and NARI 38. Branches per plant, effective capsules per plant, 100 seed weight and harvest index were significantly decreased as plant population increased. With increasing plant population, seed yield and biological yield were increased. The highest seed yield was obtained from plant population 1.66 lakh/ha (1150 kg/ha) which was at par with 1.11 lakh/ha plant population (1121 kg/ha) and lowest seed yield was recorded in 0.55 lakh/ha plant population (916 kg/ha). National check Annigeri-1 yielded higher seed yield than NARI-38 mainly due to higher number of effective capsules per plant. Similar trend was noticed in gross return, net return and B:C

KEY WORDS : Safflower, Plant population, Variety

How to cite this paper : Uke, P.C., Vilhekar, S.C. and Vaidya, E.R. (2017). Effect of plant population on yield and yield components of safflower cultivars in rainfed condition of Vidarbha region. *Adv. Res. J. Crop Improv.,* **8** (1) : 66-69, **DOI : 10.15740/HAS/ARJCI/8.1/66-69**.

Paper History : Received : 08.02.2017; **Revised :** 03.05.2017; **Accepted :** 13.05.2017