

RESEARCH PAPER

ADVANCE RESEARCH JOURNAL OF  
**C R P**  
**IMPROVEMENT**  
Volume 6 | Issue 1 | June, 2015 | 39-42  
..... e ISSN-2231-640X

# Crop growth rate, leaf area index as affected by sowing dates in linseed (*Linum usitatissimum* L.)

DOI :  
10.15740/HAS/ARJCI/6.1/39-42  
Visit us: [www.researchjournal.co.in](http://www.researchjournal.co.in)

■ B.S. ROKADE<sup>1</sup>, P.S. KAMBALE<sup>1</sup>, J.D. JADHAV AND K.T. MADANE<sup>1</sup>

## AUTHORS' INFO

### Associated Co-author :

<sup>1</sup>Zonal Agricultural Research Station, SOLAPUR (M.S.) INDIA

### Author for correspondence:

J.D. JADHAV

Zonal Agricultural Research Station,  
SOLAPUR (M.S.) INDIA  
Email: [slp.aicrpam@gmail.com](mailto:slp.aicrpam@gmail.com)

**ABSTRACT** : Experiment was laid out in Split Plot Design with three replications. The treatments consisted of 6 dates of sowing D<sub>1</sub>: 40th MW, D<sub>2</sub>: 41st MW, D<sub>3</sub>: 42nd MW, D<sub>4</sub>: 43rd MW D<sub>5</sub>: 44th MW and D<sub>6</sub>: 45th MW as main plot treatment and 3 cultivars V<sub>1</sub>: Kiran V<sub>2</sub>: Garima V<sub>3</sub>: RLC-4 as sub plot treatment at college of Agriculture Latur during *Rabi* season. The data revealed that the LAI increased remarkably upto 75 DAS. The LAI increase in treatment D<sub>1</sub> was highest as compared to late sown crop. The LAI revealed increasing trend upto 75 days in treatment D<sub>1</sub>. However, the other treatments followed this trend upto 60 days. The LAI reported considerable decrease, which was due to of senescences. LAI was recorded significantly higher in cv. GARIMA followed by cv. KIRAN. cv. RLC-4 recorded lowest LAI. Crop sown in treatment D<sub>1</sub> and D<sub>2</sub> reported a remarkable increase particularly during reproductive stage. In the early period CGR reported gradual increase, however, the increase was at higher rate in treatment D<sub>1</sub> and D<sub>2</sub>. The crop growth rate of cultivars was increased upto 75 DAS and thereafter started decreasing. cv. GARIMA recorded more crop growth rate at all stages of crop growth upto 90 DAS than other cultivars.

**KEY WORDS** : Crop growth rate, Leaf area index, Linseed

How to cite this paper : Rokade, B.S., Kambale, P.S., Jadhav, J.D. and Madane, K.T. (2015). Crop growth rate, leaf area index as affected by sowing dates in linseed (*Linum usitatissimum* L.). *Adv. Res. J. Crop Improv.*, 6 (1) : 39-42.

Paper History : Received : 29.01.2015; Revised : 22.04.2015; Accepted : 25.05.2015