



Growth Stages of Chickpea

Cicer arietinum L.



FIGURE 1



FIGURE 2



FIGURE 3



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Cicer arietinum L.

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PHOTOGRAPHS: Courtesy of H.F. Schwartz and R.M. Harveson (Univ. of Nebraska) [03/10]

LEGUME TYPES: chickpea, garbanzo, common gram

VEGETATIVE GROWTH STAGES

- VE • seedling emergence [Fig. 1]
- V1 • 1st multifoliate leaf has unfolded from the stem
- V2 • 2nd multifoliate leaf has unfolded
- V3 • 3rd multifoliate leaf has unfolded
- V4 • 4th multifoliate leaf has unfolded
- Vn • nth multifoliate leaf has unfolded [Fig. 1]

REPRODUCTIVE GROWTH STAGES

- R1 • early bloom, one open flower on the plant
- R2 • full bloom, most flowers are open [Fig. 2]
- R3 • early pod visible
- R4 • pod has reached full size and is largely flat
- R5 • early seed, seed in any single pod fills the pod cavity
- R6 • full seed, seeds fill rounded pod cavity [Fig. 3]

PHYSIOLOGICAL MATURITY

- R7 • leaves start to yellow and 50% of pods are yellow
- RH • 90% of pods are golden-brown (harvest maturity)

ADDITIONAL RESOURCES AVAILABLE AT:

<http://legume.ipmpipe.org>

<http://wiki.bugwood.org/PIPE:Legume>

<http://www.apsnet.org/> – Compendium of Chickpea & Lentil