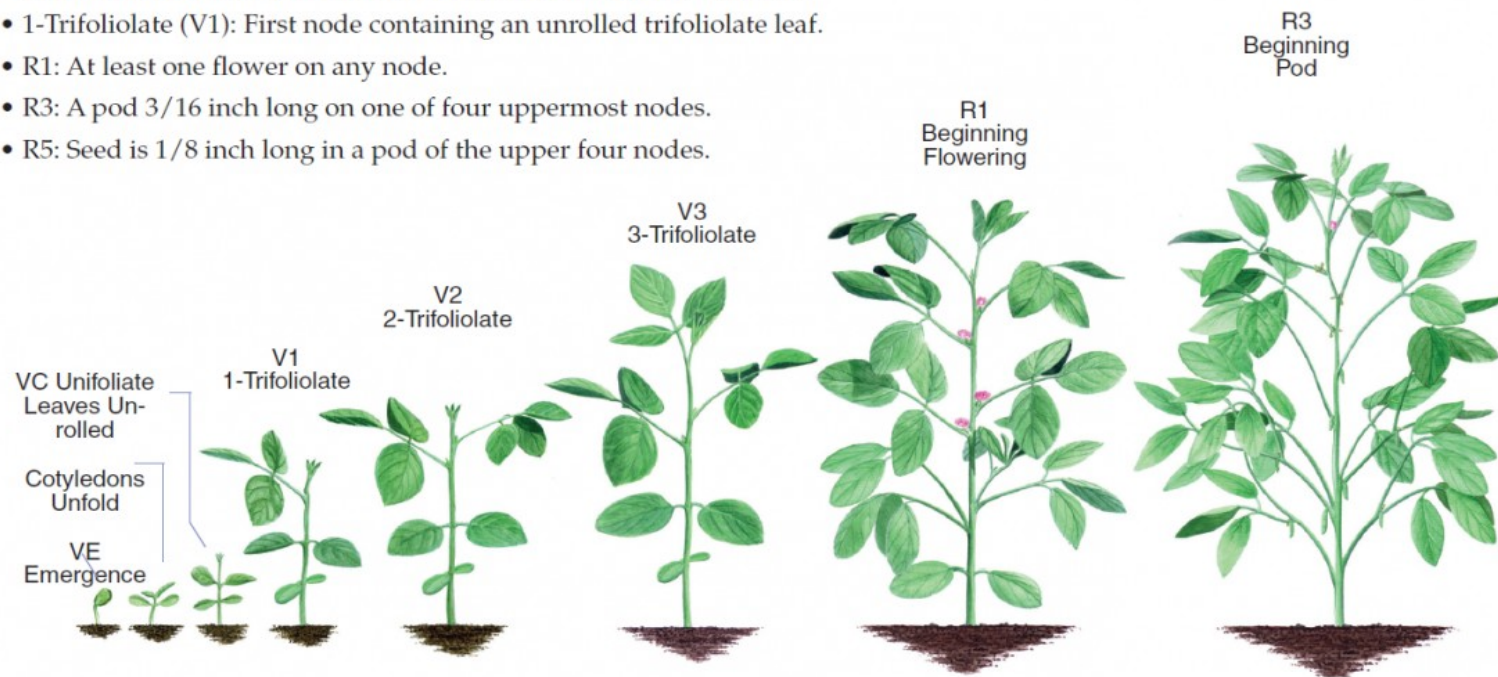


Soybean Growth Stages

Soybean Growth Stages

- Emergence (VE): Hypocotyl pulls cotyledons through soil surface, cotyledons provide nutrients and energy.
- Cotyledons (VC): Cotyledon leaves with unifoliate leaves unrolled.
- 1-Trifoliolate (V1): First node containing an unrolled trifoliolate leaf.
- R1: At least one flower on any node.
- R3: A pod 3/16 inch long on one of four uppermost nodes.
- R5: Seed is 1/8 inch long in a pod of the upper four nodes.



<https://i1.wp.com/cropwatch.unl.edu/2017-CW-News/2017-images/soybean/soybean-growth-stages-EC130.PNG>

Additional resources:

Poster: <https://bookstore.ksre.ksu.edu/pubs/MF3339.pdf>

Good photos of growth: <https://www.channel.com/en-us/agronomy/soybean-yield-components-from-growth-stages-r1-to-r4.html>

Quick guide to soybean growth: <https://www.ag.ndsu.edu/publications/crops/soybean-growth-and-management-quick-guide/a1174.pdf>

Soybean characteristics diagrams

<https://inspection.canada.ca/plant-health/seeds/seed-inspection-procedures/soybean/eng/1347209394341/1347209477717> Specifically, Appendix III

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