Crop Water Use by Growth Stage — Soybeans
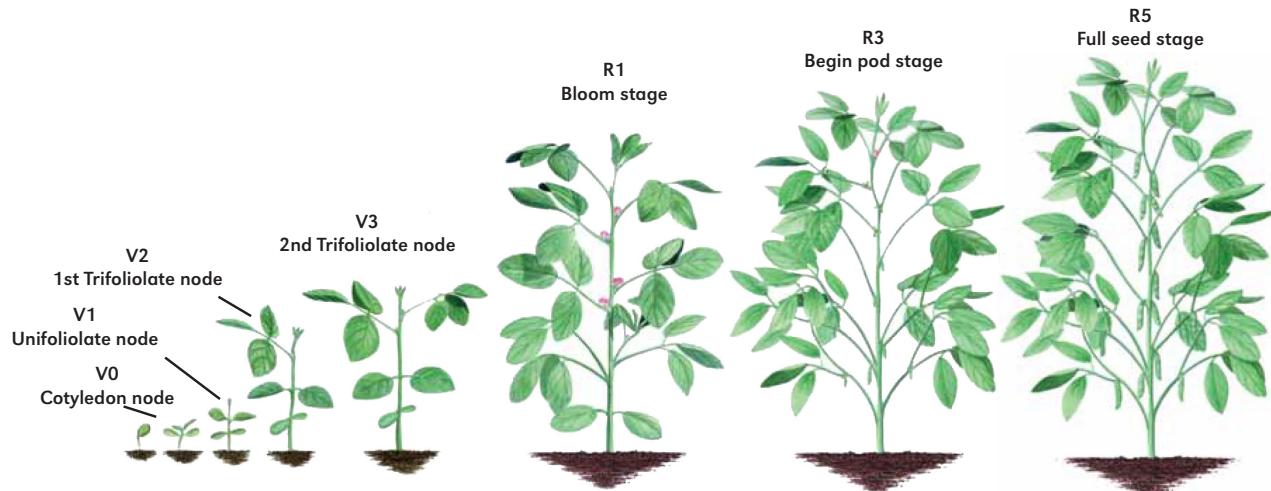
Soybean Growth Stages

Stage	Description
V0	Cotyledon node 0 — cotyledons extended
V1	Unifoliolate node 1 — unifoliolate leaves expanded
V2	1st Trifol node 2 — trifoliolate leaves expanded
V3	2nd Trifol node 3 — trifoliolate leaves expanded
R1	Begin bloom — one flower any node
R2	Full bloom — flowers at top 2 nodes
R3	Begin Pod — A pod 3/16 inch long in any of the top 4 nodes
R4	Full Pod — A pod 3/4 inch long in any of the top 4 nodes
R5	Full Seed — A seed 1/8 inch long in any of the top 4 nodes
R6	Full Seed — A seed filling a pod cavity in 4 top nodes
R7	Begin Pod Mature (leaf fall) — one brown pod anywhere on plant
R8	95% pods mature
Mature	Harvest-ready

Crop Stage	Kc	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50
V0 Cotyledon	0.1	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25
V1 1st Node	0.2	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40	0.42	0.44	0.46	0.48	0.50
V2 2nd Node	0.4	0.40	0.44	0.48	0.52	0.56	0.60	0.64	0.68	0.72	0.76	0.80	0.84	0.88	0.92	0.96	1.00
V3 3rd Node	0.6	0.60	0.66	0.72	0.78	0.84	0.90	0.96	1.02	1.08	1.14	1.20	1.26	1.32	1.38	1.44	1.50
R1 Begin Bloom	0.9	0.90	0.99	1.08	1.17	1.26	1.35	1.44	1.53	1.62	1.71	1.80	1.89	1.98	2.07	2.16	2.25
R2 Full Bloom	1.0	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50
R3 Begin Pod	1.1	1.10	1.21	1.32	1.43	1.54	1.65	1.76	1.87	1.98	2.09	2.20	2.31	2.42	2.53	2.64	2.75
R4 Full Pod	1.1	1.10	1.21	1.32	1.43	1.54	1.65	1.76	1.87	1.98	2.09	2.20	2.31	2.42	2.53	2.64	2.75
R5 Begin Seed	1.1	1.10	1.21	1.32	1.43	1.54	1.65	1.76	1.87	1.98	2.09	2.20	2.31	2.42	2.53	2.64	2.75
R6 Full Seed	1.1	1.10	1.21	1.32	1.43	1.54	1.65	1.76	1.87	1.98	2.09	2.20	2.31	2.42	2.53	2.64	2.75
R7 Begin Pod Mature	0.9	0.90	0.99	1.08	1.17	1.26	1.35	1.44	1.53	1.62	1.71	1.80	1.89	1.98	2.07	2.16	2.25
R8 95% Pods Mature	0.2	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40	0.42	0.44	0.46	0.48	0.50
Harvest Mature	0.1	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25