

Zadok's Code		
Principal stage	Secondary stage	Description
Germination		
*Barley can germinate at 34 degrees F		
0	0	Dry kernel
	0.1	Start of imbibition (water absorption)
	0.5	Radicle emerged
	0.7	Coleoptile emerged
	0.9	Leaf just at coleoptile tip
Seedling Development		
1	0	First leaf through coleoptile
	0.1	First leaf at least 50 percent emerged
	0.2	Second leaf at least 50 percent emerged (12 days after emergence)
	0.3	Third leaf at least 50 percent emerged
	0.4	Fourth leaf at least 50 percent emerged
	0.5	Fifth leaf at least 50 percent emerged
Tillering (15 days)		
2	0	Main shoot only
	0.1	Main shoot plus one tiller visible
	0.2	Main shoot plus two tillers
	0.3	Main shoot plus three tillers (16-23 days)
	0.4	Main shoot plus four tillers
	0.5	Main shoot plus five tillers
Stem Elongation (16-31 days)		
3	0.1	First node detectable
	0.2	Second node detectable (16-31 days)
	0.3	Third node detectable
	0.7	Flag leaf just visible
	0.9	Flag leaf collar just visible (38-39 days)
Boot Cycle		
4	0.1	Flag leaf sheath extending
	0.3	Boot just beginning to swell (45 days)
	0.5	Boot swollen
	0.7	Flag leaf sheath opening
	0.9	First awns visible
Head Emergence (58 days)		
5	0.1	First spikelet of head just visible
	0.3	One-fourth of head emerged
	0.5	Half of head emerged
	0.7	Three-fourths of head emerged
	0.9	Head emergence complete
Flowering (Not readily visible in barley)		
6	0.1	Beginning of flowering
	0.5	Half of florets have flowered
	0.9	Flowering complete
Milk Development in Kernel		
7	0.1	Kernel watery ripe
	0.3	Early milk
	0.5	Medium milk
	0.7	Late milk
Dough Development in Kernel		
8	0.3	Early dough
	0.5	Soft dough (20 days maximum to very hard kernel in the field depending on weather)
	0.7	Hard dough, head losing green color (Aviv)
	0.9	Approximate physiological maturity
Ripening		
9	0.1	Kernel hard (difficult to divide with fingernail)
	0.2	Thumbnail cannot dent kernel, harvest ripe (84-90 days)

This is a normal barley cycle which is dependent on the Meteorological conditions throughout its life cycle. When inspecting at the end of the 12th Biblical Lunar month we look for quantities in various locations that are at the 8.3-8.5 stages.