

## **APPENDIX A**

### **GROWTH STAGES OF SORGHUM PLANT**

**Growth Stages, their identifying characteristics, and approximate time intervals between growth stages of sorghum\*.**

<b>Growth Stage</b>	<b>Approximate Days After Emergence**</b>	<b>Identifying Characteristics</b>
0	0	<b>Emergence:</b> Coleoptile visible at soil surface.
1	10	<b>Collar of 3rd leaf visible:</b>
2	20	<b>Collar of 5th leaf visible:</b>
3	30	<b>Growing point differentiation:</b> Approximately at 8 leaf stage.
4	40	<b>Final leaf visible in whorl:</b>
5	50	<b>Boot stage:</b> Head extended into flag leaf sheath.
6	60	<b>Half bloom:</b> Half of the plants at some stage of bloom.
7	70	<b>Soft dough:</b> Grain content has a doughy consistency
8	85	<b>Hard dough:</b> Grain content is hard.
9	95	<b>Physiological maturity:</b> Maximum dry matter accumulation.

\* Vanderlip, 1993

\*\* Approximate days required for hybrids of RS 610 maturity grown at Manhattan, Kansas.