

FAMILY: POACEAESpecies: *Bouteloua curtipendula*

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**1. PRECONDITIONING:**

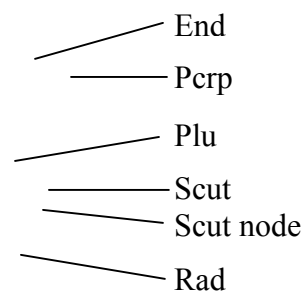
METHOD	TIME (hrs)	TEMP (°C)
imbibe on moist blotters	overnight	20-25

Morphology

External (spikelet)



Caryopsis

**2. PREPARATION AND STAINING:**

METHOD	TZ Conc(%)	TIME (hrs)	TEMP (°C)
1. Laterally cut spikelet through all caryopses	1.0	overnight	20-30
2. Extract largest caryopsis. Longitudinally cut caryopsis.	0.1	4-6 hrs.	20-30



lateral cut



longitudinal cut

ASSOCIATION OF OFFICIAL SEED ANALYSTS

FAMILY: POACEAE

Species: *Bouteloua curtipendula*

Post Staining Notes:



3. Evaluation:

VIABLE (NORMAL STAINING)

Laterally cut spikelets:

- scutellum and embryonic axis stained for at least one caryopsis

Longitudinally cut caryopses:

- radicle, plumule, and scutellar node stained

- scutellum region unstained for less than 1/3 the area and unstained region is away from the scutellar node.

lateral cut



longitudinal cut



NON-VIABLE (ABNORMAL OR NO STAINING)

- any part of the plumule, radicle, or scutellar node unstained

- soft or flaccid embryo

- more than 1/3 of scutellar region unstained

