

**FAMILY: POACEAE****DRAFT**Genus: *Spartina*

page date: 4/2004

**1. PRECONDITIONING:**

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

**Morphology**

Fig 1 External floret and caryopsis

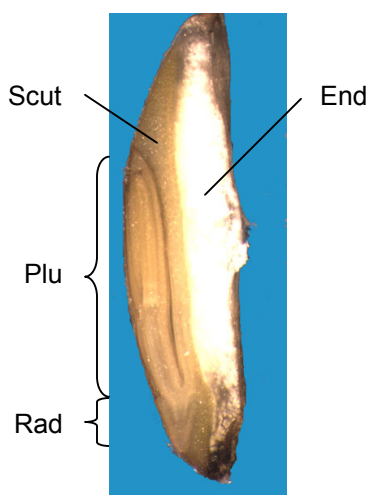
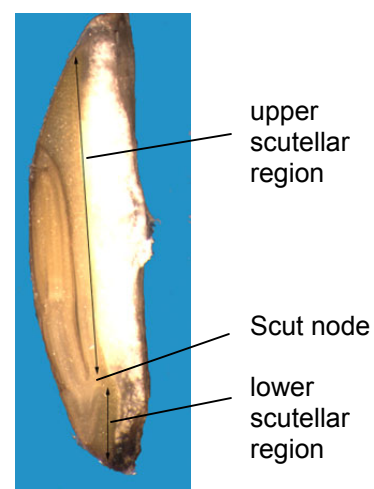


Fig 2 Embryo

**2. PREPARATION AND STAINING:**

METHOD	TZ Conc(%)	TIME (hrs)	TEMP (°C)
1. pierce with a needle in central endosperm area	1.0	overnight	20-30
2. bisect longitudinally	0.1	overnight	20-30



## ASSOCIATION OF OFFICIAL SEED ANALYSTS

FAMILY: POACEAE

GENUS: *Spartina*

**Post Staining Notes:** None for bisected method. If seeds are pierced, they should be bisected prior to evaluation.

### 3. Evaluation:

#### VIALBE (NORMAL STAINING)

- entire embryo evenly stained
- endosperm will not stain
- upper scutellum region unstained for less than 1/3 the area and unstained region is away from the scutellar node
- lower scutellar region unstained for less than 1/3 the area and unstained region is away from the scutellar node.

#### NON-VIALBE (ABNORMAL OR NO STAINING)

- any part of the plumule, radicle, or scutellar node unstained
- soft or flaccid embryo
- more than 1/3 of each scutellar region unstained

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