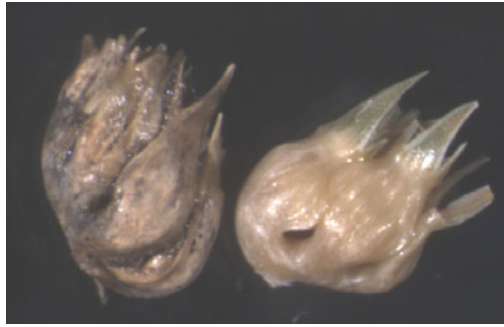


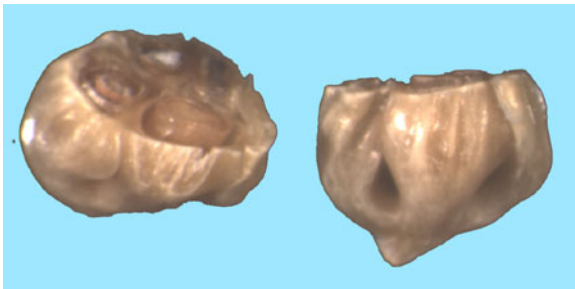
Tetrazolium methods for *Buchloe dactyloides*



Two alternate methods: lateral cut and caryopsis extraction

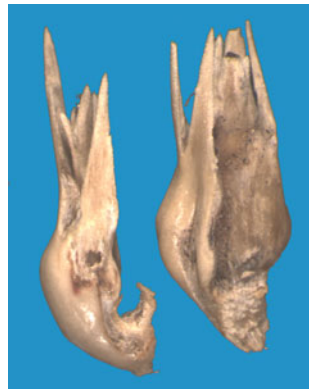
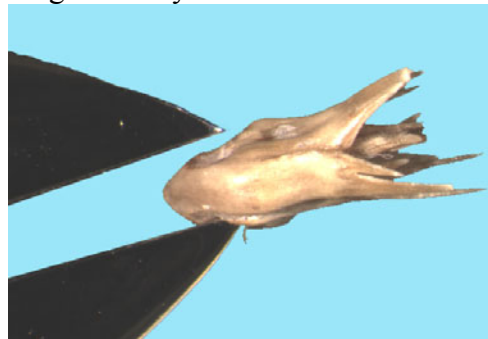
lateral cut

Bur is cut laterally through all caryopses and then stained.

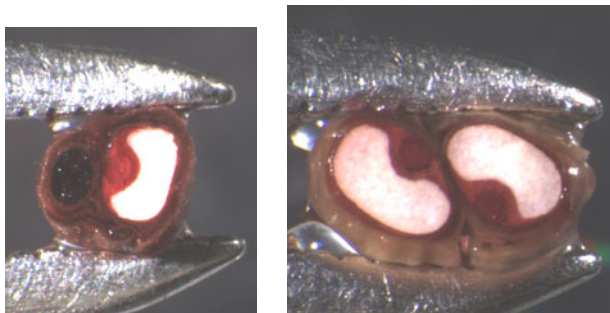
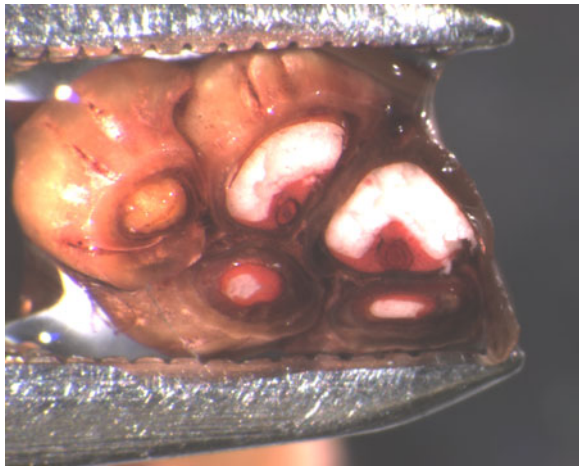
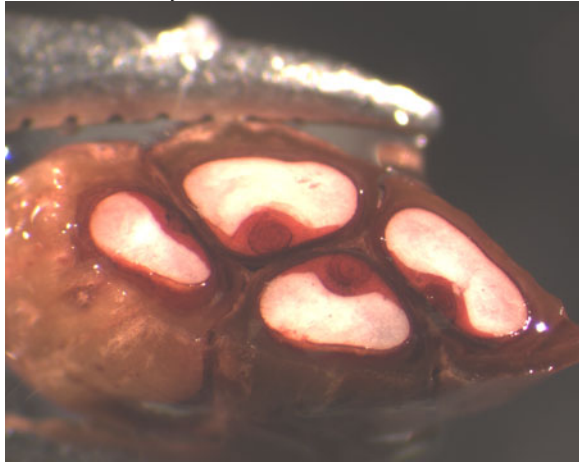


caryopsis extraction

Bur is cut apart (using heavy duty clippers) and the largest or healthiest-looking caryopsis is extracted, longitudinally cut and then stained.



Buchloe dactyloides continued:



lateral cut

advantages:

Fast preparation and evaluation.
All the caryopses in the bur are tested.

disadvantages:

The analyst is only looking at the laterally cut edge and could miss root or shoot problems that are not evident from this view. Beginners may not be adept at making a lateral cut that exposes all the caryopses.



caryopsis extraction

advantages:

Easy evaluation: the analyst looks at a standard longitudinal cross section of a caryopsis. All the structures are visible.

disadvantages:

Longer preparation time. This method relies on choosing the best caryopsis in the bur. If the analyst chooses a dead caryopsis, there is no way of knowing if another caryopsis in the bur would have been viable.