

Cytological checking of the homozygous and heterozygous parental stocks is necessary before a critical analysis of the pairing configurations observed at pachytene and later stages of meiosis in the intercrossoes can be made.

Note:

Based on our results, the procedure of crossing the interchanges belonging to a particular group, e.g. all the 1-5's, with one interchange stock in the group is useful as a check on identification. In this type of test, it is highly desirable to cross only homozygous lines.

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5. Power tool for pericarp and aleurone removal.

A battery powered commercial manicure unit has been recently employed in rapidly removing small areas of the pericarp and aleurone. Endosperm characters may then be easily classified. The emery unit, held in the hand, is 2 1/2" long and 1" wide and is equipped with an emery drum attachment. A 2' long cord runs from the unit to a 5" x 3 1/2" case which encloses two flashlight batteries and provides space for storage of the unit. This unit, called "Lady Manicure by Patricia Thompson", is manufactured by Thompson Designs, Inc., 125 Factory Road, Addison, Illinois. Retail Price: \$5.95.

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6. Interchange stocks segregating wx.

It may be of interest to persons working with interchanges that the following stocks are segregating for waxy.

1. Source: University of Illinois: 5-6 (8590), 5-6 (8665), 5-6 (8696), 6-7 (027-6), 6-7 (4545), 6-7 (8143).
2. Source: Iowa State University: 5-6 (5906), 5-6 (6522), 5-6 (6559), 6-7 (4337).
3. Source: Purdue University: 5-6 b.

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