

BROOKINGS, SOUTH DAKOTA

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Scoring *Pr* vs *pr* aleurone color

--Whalen, RH; Auger, DL

Most offices and labs have fluorescent lighting, and it is often difficult to accurately distinguish *Pr* (purple) from *pr* (red) aleurone color under fluorescent light. The best way to score *Pr* vs *pr* kernels indoors is by viewing them under pure incandescent light rather than fluorescent light or a mixture of the two. The closer one holds the kernels to the incandescent bulb, the easier it is to accurately distinguish *Pr* from *pr*. Even under incandescent light, a very small proportion of kernels that appear to be purple are found to be red when held much closer to the light bulb, presumably due to segregation of modifying factors. These observations have been confirmed by several people.