

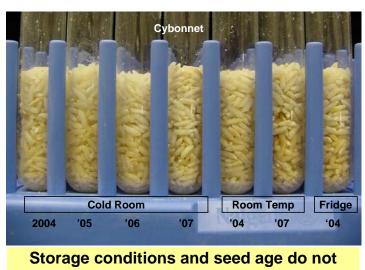
## Stackburn (yellowing) occurs in Arkansas rice cultivars, regardless of age or storage temperature

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- Rice can yellow during storage if moisture levels and temperatures are allowed to increase. Although **post-harvest yellowed** (**stackburned**) rice is reduced in value, no study has looked at the diverse rice varieties available to determine if there are some varieties that show less yellowing.
- The ability of a number of Arkansas and popular southern U.S. rice varieties to yellow was tested under laboratory conditions. A colorimeter was used to measure the color change.
- All cultivars showed some level of post-harvest yellowing. Similar levels of yellowing occurred for each cultivar despite different storage temperatures and different lengths of storage. The level of yellowing achieved was relatively high.

• Other, diverse cultivars yellow less indicating that a more diverse group of cultivars should be investigated to increase the likelihood of identifying non-yellowing varieties for breeding purposes.



affect the level of yellowing

