

5. B vitamin levels in sugary and starchy endosperms.

The well known correlation of niacin level and "sugary" genes has proven difficult to explain. Assays for seven B vitamins on comparable *Su* and *su* endosperms have revealed that the niacin difference is not unique. Biotin, inositol, choline, pyridoxine, riboflavin, and pantothenic acid as well as niacin are higher (P less than 0.02) in *su*. A more general explanation is therefore required for the *Su-su* differences than directly relating niacin and carbohydrate metabolism.

H. J. Teas