

4. Evaluation of hybrids with high refractometrical stalk juice readings compared with evaluation standard hybrids.

Table III is a summary of the productivity and evaluation of the standard hybrids in comparison with experimental hybrids with a high content of sugars in the stalk at the time of grain maturation. To obtain the average productivity of standard hybrids those with the highest grain yield were considered from each trial: Ohio M 15; Indiana 251 A; Bear 31; Dekalb 505; and Clyde B 31. (Ohio M 15 was the best standard hybrid in 3 different trials.) To obtain the average productivity of hybrids with high percentage of sugar in the stalk, the hybrids with the highest yields -- of grain, of green leaves, and of fermentable sugars -- were considered for each trial. The trials were run as randomized blocks of four replications.