

5. Persistence of sugars in the stalk.

After harvesting the mature ears on October 17th, the plants of three experimental hybrids with high refractometrical readings and the plants of four standard hybrids remained in the field for later observations. On November 22, after six consecutive nights of frost (from minus 2 °C to minus 5 °C), the refractometrical readings were determined. The results are recorded in Table IV. The stalks of standard hybrids were, on the whole, lodged and rotten. The stalks of the hybrids with high refractometrical readings were, on the contrary, still stiff and erect.