

# **•STUDY ON IMPORTANT INDICES IN THE SEEDS OF SOME SUNFLOWER HYBRIDS AND THEIR CORRELATION**

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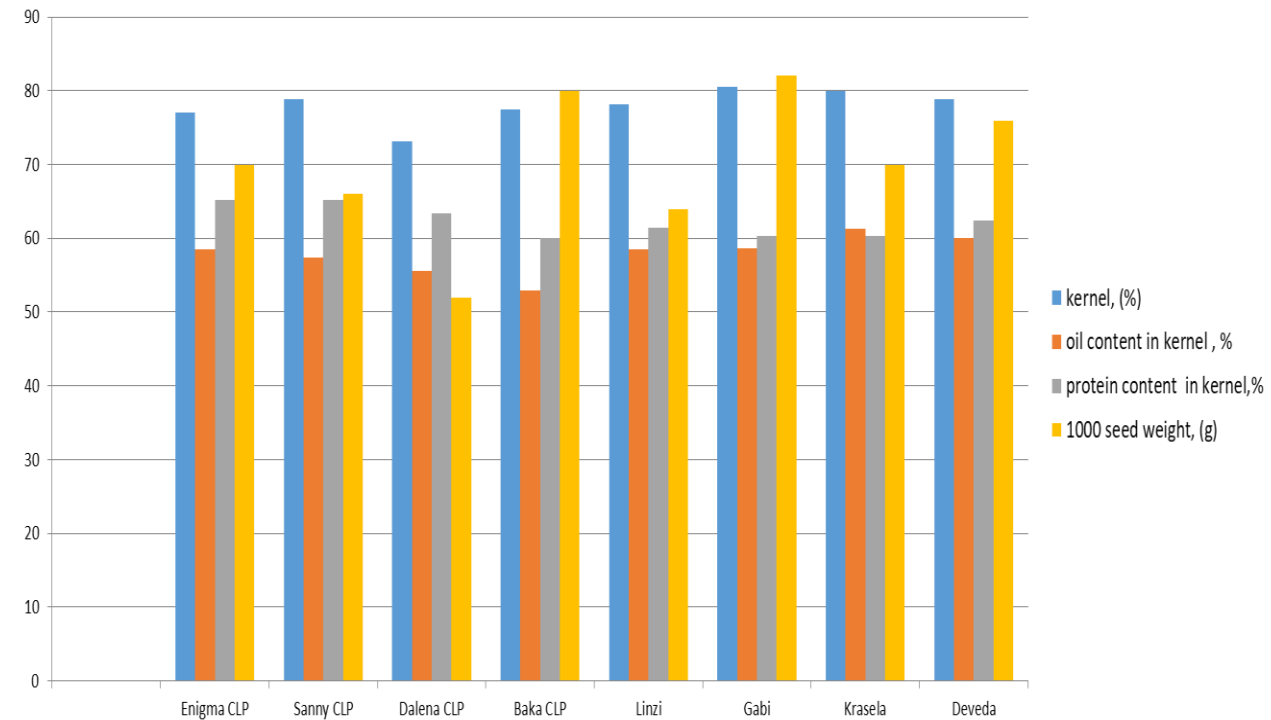
**The selection of sunflowers in recent years is aimed at creating herbicide-resistant hybrids. They occupy almost entirely the areas sown with this culture.**

**The aim of this study is to investigate some quantitative and qualitative indices in conventional and herbicide-resistant hybrids created in DZI-Gen. Toshevo.**

The study included four CLP hybridas - Enigma CLP, Sunny CLP, Dalena CLP, Baci CLP and four conventional hybrids – Linzi, Gaby, Krasela and Deveda.

The following indices have been studied:

- kernel content (%) and husk (%);
- oil in kernel(%);
- oil in husk (%);
- whole seed oil (%);
- protein in kernel(%);
- protein in whole seed(%);
- 1000 seed weight, (g).



## CONCLUSION

The oil in the kernel in two of the conventional hybrids is higher by about 3-4% than herbicide-resistant hybrids. With regard to the protein content in the kernel, there is no proven statistical difference.

Herbicide-resistant hybrids have a higher percentage of husk content in seeds by about 2-3%, but they contain oil in their husk about 2% less than conventional hybrids.

