

Department of Agricultural Engineering

Research

The current research project of the Department focuses on the improvement of energy efficient mechanized processes and the use of renewable energy in agriculture.

In the last 5-year period the members of staff were engaged in the research projects which were financed by both the state and a number of companies. The work performed resulted in 16 patents for invention, publication of 2 monographs and 15 journal articles.

The main scientific research results of the Department

- 1) mechanized technology of seed growing;
- 2) wind electromechanical device BAEM-2,5;
- 3) tillager “Oratania”;
- 4) rape biofuel generation technology.

The Department widely collaborates with a number of research institutes and major industrial enterprises including:

- L. Pohorilyi Ukrainian research institute of agricultural prognostication, equipment trial running and technology testing;
- PA PC “Agroremmash”;
- research and production enterprise “Bilotserkivmaz”

Educational process

The members of staff teach the following courses:

- Agricultural Engineering
- Agricultural Machinery
- Machinery in Crop Production
- Mechanical Material Maintenance in Agriculture
- Leading companies in agricultural machinery