

TECHNOLOGY FOR BIODIESEL PRODUCTION FROM FALSE FLAX (*CAMELINA SATIVA*)



Pilot plant for biodiesel production

Areas of Application

The technology is proposed for reducing the production costs and improving the physical, chemical, and environmental characteristics of fuel products

Specification

A full cycle to obtain biodiesel from oil seeds of spring false flax (*Camelina sativa*) varieties bred at the Institute via esterification of fatty acids by ethanol. The productivity of pilot production line is 1 tone biodiesel daily

Advantages

New high-yield varieties of spring false flax (*Camelina sativa*) with improved resistance to environment effects and agronomic parameters as compared with the existing oil crops have been bred. They can produce 3–4 t/ha seeds with oil content of 45–50%. In addition to biodiesel production, the Camelina oil can be used in food industry and medicine insofar as it almost does not contain erucic acid

Stage of Development. Suggestions for Commercialization

IRL6, TRL6

The equipment (production line) is designed and a process plan for commercial production is provided

IPR Protection

IPR1, IPR3

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