SPRING WHEAT CULTIVAR IRMENKA-4

**Description**
The cultivar was obtained by hybridization of the winter wheat cultivar Besostaya with the spring wheat cultivar Novosibirskaya-67. It is a variety of *lutescens* with spindle-shaped spike, grain protein content of 14.7-15.3 %, flour gluten content of 34-36%, flour strength of 320-360 a.u., and 1000 grain weighting 32-41 g. The mid-early cultivar ripens in 95-100 days.

**Technical appraisal and economic benefits**
Characteristic features of Irmenka 4 are:
- Forming big and well-filled grains both in cold humid and in drought years. It exceeds standard cultivars in 1000 grain weight practically under any conditions.
- High resistance to logging, grain falling and germination both in growing plants and in rolls, which is particularly important during cool and humid years.
- Sensitivity to high agronomic background expressed in increased yield, grain protein and gluten content.
- Almost zero affection by root rots, brown rust and powdery mildew.
- Yield performance is higher than that of Novosibirskaya 89 by 1-3 centners per hectare.

**Application areas**
Agriculture of Western Siberia.

**Development stage**
Following the results of State Cultivar Tests, Irmenka 4 has been regionalized since 2001 over the West-Siberian region. It is successfully cultivated in agricultural units of the Novosibirsk and Kemerovo regions.

**Patent situation**
Authors’ Certificate No 30419.

**Commercial offers**
Investment contract for commercialization.

**Estimated cost**
Adequate to the seed price established within the West-Siberian market.

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