

**G.B. Pant University of Agriculture & Technology
Pantnagar-263145 (U.S.Nagar), Uttarakhand**

Invitation for Expression of Interest (EOI)

The University invites eligible firms to indicate their interest in the commercialization of the improved maize hybrid **Pant Sankar Makka-6** after technology transfer/licensing for the seed production. EOI should reach latest by **24 December, 2020** to **Dr. N. K. Singh, Professor/Sr. Maize Breeder, Department of Genetics and Plant Breeding, GBPUAT, Pantnagar, email: narendraksingh2@gmail.com, ph. 9412909645**. The minimum bid in this behalf should not be less Rs. 2.00 lakh.

The notice inviting offer shall only be issued to the firms whose EOI is accepted by the university. All rights reserve to Vice-Chancellor.

The salient features of the hybrid are as under:

Pant Sankar Makka-6

- Pant Sankar Makka-6 is medium maturing yellow grain maize hybrid released for plain area of Uttarakhand.
- Pant Sankar Makka-6 a medium maturity hybrid tested in All India Coordinated Trial (NIVT Late) during kharif 2015 and registered grain yield of 73.73 q/ha.
- Pant Sankar Makka-6 tested in State Varietal Trials for three years (2015-2017) and gave an average yield of 41.36 to 57.62 q/ha and exhibited consistent superiority of 13.44% to 34.07% with overall superiority of 27.77% over check hybrid HM-10.
- Pant Sankar Makka-6 also showed earlier maturity than the check HM-10.
- Pant Sankar Makka-6 exhibited overall 44.06% and 42.43% yield superiority over check Pant Sankar Makka 1 and Surya.
- Pant Sankar Makka-6 has yellow-orange bold flint kernel with 1000-kernel weight of more than 300g.
- Pant Sankar Makka-6 exhibited better tolerance to diseases namely MLB, TLB and P. rust.
- Stem borer infestation was rare during the SVT from kharif 2015-2017.
- Because of the strong stem and medium plant height, DH-296 showed tolerance to lodging due to rain and wind.
- Pant Sankar Makka-6 has tight and complete husk cover of ears better than the check HM-10 which helps minimize the problems of bird damage, ear rotting and pre-harvest sprouting of grains.
- Bold grain of Pant Sankar Makka-6 makes it most suitable for industrial processing for starch.
- Stay green trait of Pant Sankar Makka-6 makes it suitable for green fodder after harvest.