

**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-5** 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-5

- Pant Sankar Makka-5 is early maturing yellow grain hybrid released for cultivation in plain area of Uttarakhand.
- Pant Sankar Makka-5 tested in All India Coordinated Trial (NIVT Early-Extra early) during kharif 2015 and registered grain yield of 73.01 q/ha with All Indian 4th rank.
- Pant Sankar Makka-5 exhibited overall 20.9 % and 29.8% superiority over check hybrids PMH-5 and Prakash, respectively, across the country in All India Coordinated Trials.
- Pant Sankar Makka-5 tested in State Varietal Trials for three years (2015-2017) and gave an average yield of 45.80 to 56.96 q/ha and exhibited superiority of 35.21%, 34.81% over early checks Surya and Pant Sankar Makka-,1 respectively.
- Pant Sankar Makka-5 also exhibited 23.41% yield superiority over late maturing check HM-10.
- Pant Sankar Makka-5 has orange-yellow bold kernel with 1000-kernel weight of more than 300g.
- Pant Sankar Makka-5 has tight and complete husk cover of ears better than checks which help minimize the problems of bird damage, ear rotting and pre-harvest sprouting of grains.
- Pant Sankar Makka-5 exhibited better tolerance to diseases namely MLB, TLB, P. rust, FSR, SDM and BSR.
- Because of the strong stem and medium plant height, Pant Sankar Makka-5 showed tolerance to lodging due to rain and wind.
- Stay-green trait of Pant Sankar Makka-5 makes it most suitable green fodder after harvesting of maize ears.
- Bold grain of Pant Sankar Makka-5 makes it most suitable for industrial processing for starch.