

## Proceeding of online meeting on AICRPW&B: Discussion and finalization of wheat quality work plan 2021-22

**Chairman:** Dr. GP Singh, Director, ICAR-IIWBR, Karnal

**Co-chairman:** Dr. Sewa Ram, PI, Quality & Basic Science

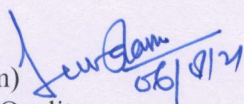
**Rapporteur:** Drs. Sunil Kumar & OP Gupta

**Date:** 05.08.2021; **Time:** 2.30PM

1. The online meeting started with the formal welcome of all the participants by Dr. Sewa Ram, PI Quality. A total of 30 scientists including breeders representing AICRP centres across the country participated in the meeting.
2. Dr. GP Singh, Director, ICAR-IIWBR, Karnal delivered his opening remark on the overall progress made in wheat quality. He appreciated the significant progress made in wheat quality over the last 10 years across the zones specially in NWPZ. He also highlighted the importance of wheat quality for both industrial and nutritional purposes and informed that out of 70 biofortified varieties developed across crops, 22 belong to wheat. He informed that the inclusion of statistical analysis of wheat quality data will be conducted from next year onwards, which will help in identification of superior entries for promotion. For this purpose bench making has also been done for both industrial and nutritional quality traits specially Fe, Zn and protein content. The chairman informed that breeders were included in the meeting so that quality issue is discussed in greater detail and implemented in the field.
3. Dr. Sewa Ram presented the work plan of wheat quality for the year 2021-22 and informed the house about the inclusion of NIVT6A and NIVT6B for quality analysis by different centres and accordingly work plan for 2021-22 was made. He also emphasized that recommendations with respect to wheat quality should be followed by breeders for improving both industrial and nutritional uses. This has become necessary as both the quality aspects are being discussed at high level meetings in the country. He also emphasized that breeders and Quality scientist should work hand in hand to meet the expectation of both domestic and international market and improved human nutrition.
4. Issue of large variations among centres in Fe and Zn content was discussed in detail and Dr. Sewa Ram suggested that centres conducting trials should generate data on Fe, Zn content in soils before sowing the trial as well as after conducting the trial and submit it to PI quality. It was informed by Dr. Anju Mahendru Singh, ICAR-IARI, New Delhi that Zn (@50kg zinc sulphate/ha) is applied in trial blocks every season before sowing wheat in ICAR-IARI, New Delhi. This is the main reason of unusually higher Zn content in wheat samples from IARI, New Delhi in AVT samples. Therefore, it was decided that standard common agronomic practices should be followed by each centre conducting the trials to identify superior genotypes for nutritional quality traits.
5. Among participants, suggestions came from Dr. Manoj Oak and Anju Mahendru Singh regarding analysis of thousand-grain weight of QCWBN samples and also the inclusion of more checks for analysis of quality traits in QCWBN trials and accordingly PI Crop Improvement was requested to take action. It was decided that 3 locations should be selected in each zone for QCWBN analysis. It was also decided that QCWBN samples from 2 centres of each zone will be taken for grain hardness analysis by ICAR-IARI, New Delhi.

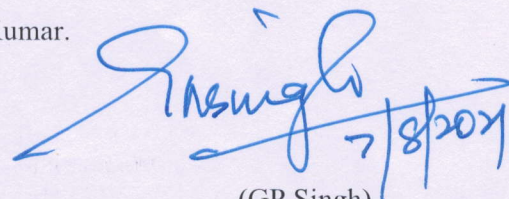
The meeting ended with a formal vote of thanks by Dr. Sunil Kumar.

(Sewa Ram)  
PI, Wheat Quality



05/08/21

(GP Singh)  
Director, ICAR-IIWBR, Karnal



7/8/2021