

Contents

Review Article

1. **Terminal heat tolerance in wheat: An overview** 1-16
Girish Chandra Pandey, Geetika Mehta, Pradeep Sharma and Vinay Sharma

Research Article

2. **Nitrogen top dressing just before irrigation improves wheat growth, productivity and nitrogen use efficiency and profitability** 17-22
Subhash Chander Gill, Ramesh Kumar Sharma, Subhash Chandra Tripathi, Rajender Singh Chhokar, Raj Pal Meena and Ankita Jha
3. **Influence of sowing dates and cutting management on productivity and profitability of dual purpose barley (*Hordeum vulgare* L.) in Indo- Gangetic Plains of India** 23-26
Balwinder Singh Dhillon and R S Uppal
4. **Broad spectrum weed control in wheat with pyroxsulam and its tank mix combination with sulfosulfuron** 27-36
Rajender Singh Chhokar, Ramesh Kumar Sharma, Subhash Chander Gill and Ram Kumar Singh
5. **Difenoconazole: A new seed dressing molecule for effective management of flag smut (*Urocystis agropyri*) of wheat** 37-40
Sudheer Kumar, Prem Lal Kashyap, Mahender Singh Saharan, Ishwar Singh, Poonam Jasrotia, Devendra Pal Singh and Gyanendra Pratap Singh

Short Communication

6. **Field efficacy of some insecticides against foliage feeding barley aphid (*Rhopalosiphum maidis* Fitch.)** 41-43
Jitendra Kumar, Javed Bahar Khan, P.K. Gupta, S.V. Singh and Charul Kanchan
7. **Expression analysis of stress responsive transcription factors under heat, drought and salinity tolerance in wheat** 44-47
Om Prakash Gupta, Amandeep Kaur, Sonia Sheoran, Ratan Tiwari, Rajender Singh, Sanjay Kumar Singh, Om Parkash Ahlawat, Gyanendra Pratap Singh and Pradeep Sharma
8. **Screening of barley germplasm and released cultivars against stripe disease (*Drechslera graminea*) under artificial inoculation condition** 48-49
Virendra Kumar, PS Shekhawat and Harshraj Kanwar

4th IGM Abstracts 2019

9. **Abstracts of 4th International Group Meeting on "Wheat Productivity Enhancement through Climate Smart Practices" at CSK HPKV, Palampur, HP, India (February 14-16, 2019)** 50-113