ZONE-WISE DATE OF SUBMISSION

1. NORTHERN HILLS ZONE 15th JUNE
2. NORTH WESTERN PLAINS ZONE 15th MAY
3. NORTH EASTERN PLAINS ZONE 15th MAY
4. CENTRAL ZONE 30th APRIL
5. PENINSULAR ZONE 30th APRIL
6. SOUTHERN HILLS ZONE 30th APRIL

FOR UNIFORMITY IN DATA RECORDING AND REPORTING FOLLOWING POINTS SHOULD BE STRICTLY ADHERED TO

1. Sequence of treatments should be strictly as per the technical programme. Columns/Rows for the missing treatment/variety should be kept blank. Data should be submitted as per the stipulated date given above.
2. To record observations on stand count, earhead/m² etc., two fixed quadrants may be marked in each plot.
3. For recording observations on weeds, wherever necessary, two fixed quadrants per plot may be marked.
4. Yield, 1000-grain weight and biomass may be reported at 12% moisture. For this purpose, grain and straw samples may be taken for determining moisture content at the time of recording and data corrected to 12% moisture content.
5. For calculating grains/earhead following formula may be used;

\[
\text{Grains/earhead} = \frac{\text{Yield, q/ha} \times 10,000}{\text{Earhead/m}^2 \times 1000 \text{ grain weight, g}}
\]

6. For calculating lodging score following formula may be used

\[
\text{Lodging Score} = \left( \frac{\text{Lodged area/Net plot area}}{90} \right) \times 100 \times \text{Angle of lodging}
\]

7. Data should be reported strictly as per the units given at the top of each page/worksheet/character for different parameters.

Norms with respect to minimum limit of site mean (q/ha) and coefficient of variation (CV) for acceptance or rejection of coordinated varietal evaluation trials.

<table>
<thead>
<tr>
<th>Zone/Trial</th>
<th>Date of Sowing</th>
<th>Restricted Irrigation</th>
<th>Rainfed/Salinity/Alkalinity Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHZ</td>
<td>25 q/ha</td>
<td>15 q/ha</td>
<td></td>
</tr>
<tr>
<td>NWPZ</td>
<td>35 q/ha</td>
<td>20 q/ha</td>
<td>15 q/ha</td>
</tr>
<tr>
<td>NEPZ</td>
<td>30 q/ha</td>
<td>20 q/ha</td>
<td>15 q/ha</td>
</tr>
<tr>
<td>CZ</td>
<td>35 q/ha</td>
<td>20 q/ha</td>
<td>15 q/ha</td>
</tr>
<tr>
<td>PZ</td>
<td>35 q/ha</td>
<td>20 q/ha</td>
<td>15 q/ha</td>
</tr>
<tr>
<td>Dicoccum</td>
<td>20 q/ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CV (%)</td>
<td>15%</td>
<td>20%</td>
<td>25%</td>
</tr>
</tbody>
</table>
CENTRAL ZONE 2019-2020

TITLE: Performance of new wheat genotypes at different dates of sowing under irrigated conditions.

OBJECTIVE: To evaluate the performance of genotypes at different dates of sowing.

TREATMENTS

A. Dates of sowing (Main-plots): 03

D₁  Timely (5ᵗʰ to 11ᵗʰ Nov)
D₂  Late (3ʳᵈ Dec. to 9ᵗʰ Dec.)
D₃  Very Late (24ᵗʰ Dec. to 3₁ˢᵗ Dec.)

B. Genotypes (Sub-plots): 06

1. CG1029  2. HI 1634  3. HD 2932 (c)  4. HD 2864 (c)  5. MP 3336 (c)
6. MP 4010 (c)

DESIGN: Split-plot

REPLICATIONS: Three

PLOT SIZE: GROSS: 1.60 m x 8 m = 12.80 sq. m. (8 rows at 20 cm spacing)
NET: 1.20 m x 7 m = 8.40 sq. m. (6 inner rows x 7 m long)

FERTILISER  120:60:40 kg N, P₂O₅ and K₂O/ha. Apply 1/3ʳᵈ nitrogen, full phosphorus and potash to be applied as basal dose and the remaining 2/3ʳᵈ nitrogen as 1/3ʳᵈ at first irrigation and 1/3ʳᵈ at second irrigation.

SEED RATE: 100 kg/ha for timely sown and 125 kg/ha for late and very late sown conditions (Adjust seed rate considering 1000 grains weight as 38 g).

CENTRES: Bilaspur, Gwalior, Indore, Jabalpur, Junagarh, Powarkheda, Udaipur, Vijapur.
PENINSULAR ZONE 2019-2020

TITLE: Performance of new wheat genotypes at different dates of sowing under irrigated conditions.

OBJECTIVE: To evaluate the performance of genotypes at different dates of sowing.

TREATMENTS

A. Dates of sowing (Main-plots): 03

D₁ Timely (5th to 11th Nov)
D₂ Late (26th Nov. to 2nd Dec.)
D₃ Very Late (17th Dec. to 23rd Dec.)

B. Genotypes (Sub-plots): 04

1. HI1633  2. Raj 4083 (c)  3. HD 2932 (c)  4. HD 3090 (c)

DESIGN: Split-plot

REPLICATIONS: Three

PLOT SIZE: GROSS: 1.60 m x 8 m = 12.80 sq. m. (8 rows at 20 cm spacing)
NET: 1.20 m x 7 m = 8.40 sq. m. (6 inner rows x 7 m long)

FERTILISER 120:60:40 kg N, P₂O₅ and K₂O/ha. Apply 1/3rd nitrogen, full phosphorus and potash to be applied as basal dose and the remaining 2/3rd nitrogen as 1/3rd at first irrigation and 1/3rd at second irrigation.

SEED RATE: 100 kg/ha for timely sown and 125 kg/ha for late and very late sown conditions (Adjust seed rate considering 1000 grains weight as 38 g).

CENTRES: Bilaspur, Gwalior, Indore, Jabalpur, Junagarh, Powarkheda, Udaipur, Vijapur.
WHEAT AGRONOMY EXPERIMENT NO. RIR-TS-TAS

PENINSULAR ZONE 2019-2020

TITLE: Performance of new wheat genotypes under restricted irrigation conditions.

OBJECTIVE: To evaluate the performance of timely sown genotypes at different irrigation schedules.

TREATMENTS

A. Irrigation levels (Main-plots): 03

I₁ - No Irrigation
I₂ - One irrigation at CRI (20-25 DAS)
I₃ - Two irrigations at CRI and Boot leaf (80-85 DAS)

B. Genotypes (Sub-plots): 07

1. DDW 48  2. NIDW1149 (d)  3. DDW49 (d)  4. DBW93 (c)  5. HI1605 (c)  6. AKDW2997-16 (dc)  7. UAS446 (dc)

DESIGN: Split-plot

REPLICATIONS: Three

PLOT SIZE: GROSS: 1.60 m x 8 m = 12.80 sq. m. (8 rows at 20 cm spacing)
NET: 1.20 m x 7 m = 8.40 sq. m. (6 inner rows x 7 m long)

FERTILISER: 90:60:40 kg N, P₂O₅ and K₂O/ha. Apply full dose of NPK as basal in I₁ and 1/3rd nitrogen, full phosphorus and potash as basal in other treatments and the remaining 2/3rd nitrogen at first irrigation.

SEED RATE: 100 kg/ha (Adjust seed rate considering 1000 grains weight as 38 g).

CENTRES: Akola, Dharwad, Niphad, Pune, Washim.
TITLE: Evaluation of wheat genotypes targeted to achieve 8 t/ha productivity

OBJECTIVE: Finalising the package of practices to achieve targeted productivity.

TREATMENTS

A. Nutrient management option (Main-plots): 03

NM₁ Recommended Fertiliser Dose (RFD)
NM₂ RFD+ FYM15 t/ha
NM₃ 150% RFD+ FYM15 t/ha+Growth Regulators*

*NOTE: Two sprays as tank mix-Chlormequat chloride (Lihocin) @ 0.2%+
tebuconazole (Folicur 430 SC) @ 0.1% of commercial product dose at First
Node and Flag leaf (Tank mix application)

B. Genotypes (Sub-plots): 04

1. DBW 187, 2. DBW 303 3. HD3086 4. HD2967

SOWING TIME: 20th to 25th October

DESIGN: Split-plot

REPLICATIONS: Three

PLOT SIZE: GROSS: 1.60 m x 8 m = 12.80 sq. m. (8 rows at 20 cm spacing)
NET: 1.20 m x 7 m = 8.40 sq. m. (6 inner rows x 7 m long)

FERTILISER Apply 1/3rd nitrogen, full phosphorus and potash as basal dose and
the remaining 2/3rd nitrogen as 1/3rd at first irrigation and 1/3rd at
second irrigation.

Seed Required: 2.5 kg per location

SEED RATE: 100 kg /ha for timely sown and 125 kg/ha for late and very late sown
conditions (Adjust seed rate considering 1000 grains weight as 38 g).

CENTRES: Delhi, Gurdaspur, Hisar, Karnal, Ladowal (BISA), Ludhiana, Pantnagar.
WHEAT AGRONOMY EXPERIMENT NO. SPL-2

2019-2020

**TITLE:** Exploring the role of phosphorus solubilising bacteria in improving phosphorus usage in wheat under wheat based cropping systems.

**OBJECTIVE:** Optimising phosphorus usage in wheat

**TREATMENTS:** Fixed plots for the duration of the trial must be maintained.

<table>
<thead>
<tr>
<th>Sr No.</th>
<th>Wheat, P₂O₅, kg/ha</th>
<th>Rice/Soybean/Maize/Groundnut, P₂O₅, kg/ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2.</td>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>3.</td>
<td>30</td>
<td>0</td>
</tr>
<tr>
<td>4.</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>5.</td>
<td>60</td>
<td>0</td>
</tr>
<tr>
<td>6.</td>
<td>60</td>
<td>30</td>
</tr>
<tr>
<td>7.</td>
<td>0+PSB</td>
<td>0</td>
</tr>
<tr>
<td>8.</td>
<td>0+PSB</td>
<td>30</td>
</tr>
<tr>
<td>9.</td>
<td>30+PSB</td>
<td>0</td>
</tr>
<tr>
<td>10.</td>
<td>30+PSB</td>
<td>30</td>
</tr>
<tr>
<td>11.</td>
<td>60+PBS</td>
<td>0</td>
</tr>
<tr>
<td>12.</td>
<td>60+PBS</td>
<td>30</td>
</tr>
<tr>
<td>13.</td>
<td>60</td>
<td>60</td>
</tr>
</tbody>
</table>

**DESIGN:** RCBD

**REPLICATIONS:** Three

**FERTILISER** Apply 1/3rd nitrogen, full phosphorus and potash as basal dose as per treatments and the remaining 2/3rd nitrogen as 1/3rd at first irrigation and 1/3rd at second irrigation.

**OBSERVATIONS:**

1. Yield and yield attributes
2. Available P in soil before and after harvest of each crop.
3. Microbial observations (90 DAS wheat and 60 DAT rice) and at harvest ????- specify
WHEAT AGRONOMY EXPERIMENT NO. SPL-3

2019-2020

TITLE: Agronomic management for enhancing Zn in wheat grain in NHZ

OBJECTIVE: Enhancing the Zn content in wheat grain

TREATMENTS: 08

1. No zinc application
2. Soil zinc application (12.5 kg Zinc sulphate/ha)
3. Soil zinc application (25.0 kg Zinc sulphate/ha)
4. Soil zinc application (37.5 kg Zinc sulphate/ha)
5. Foliar zinc application (0.5% ZnSO₄ heptahydrate) at heading and early milk stage
6. Soil zinc application (12.5 kg Zinc sulphate/ha) + T5
7. Soil zinc application (25.0 kg Zinc sulphate/ha) + T5
8. Soil zinc application (37.5 kg Zinc sulphate/ha) + T5

Variety: HPW 349

Design: RBD

Replication: 03

Observations:
1. Yield attributes
2. Grain and biological yield
3. Zinc status of soil
4. Zinc content in grain and straw

Soil and plant analysis
1. Soil samples before sowing of crops and after harvest to be analysed for pH, EC, organic carbon, available N, P, K and Zn and plant samples (straw and grain) for Zn content.

Centres: Malan, Bajaura, Khudwani
WHEAT AGRONOMY EXPERIMENT NO. SPL-4

2019-2020

TITLE: Yield maximization in dicoccum wheat through various planting options and seed rates

OBJECTIVE: Standardising the package of practices for dicoccum cultivation

Treatments:

1. Main plots: Line spacing-03
   1. 15 cm
   2. 20 cm
   3. 25 cm

2. Sub plot: Seed rates-03
   1. 75 kg/ha
   2. 100 kg/ha
   3. 125 kg/ha

Variety: MACS 2971

Replications: 03

Observations:
   (I) Yield attributes
   (II) Grain and biological yield

Locations: Akola, Dharwad, Niphad, Pune.
WHEAT AGRONOMY EXPERIMENT NO. SPL-5

2019-2020

TITLE: Precision nitrogen management in irrigated wheat using NDVI sensor

Objective: Improving nitrogen use efficiency in wheat by need based application.

TREATMENTS: 08

1. Absolute Control
2. 75 kg N/ha basal 37.5 kg N/ha each at CRI and tillering
3. 60 kg N/ha basal 30 kg N/ha each at CRI and tillering
4. 30 kg N/ha basal+30 kg N/ha CRI and rest using Green Seeker twice at 40-45 DAS and 60-65 DAS
5. 30 kg N/ha basal +60 kg N/ha CRI and rest using Green Seeker twice at 40-45 DAS and 60-65 DAS
6. ½ N as basal and ½ at CRI
7. 1/3rd N as basal, 1/3rd at CRI and 1/3rd at first node stage (around 45 days after seeding)
8. Rich Plot-90 kg N/ha basal+90 at CRI

Design: RBD

Replication: 03

Observations:

1. Yield attributes
2. Grain and biological yield

CENTRES: Coochbehar, Ranchi, Dharwad, Pune
TITLE: To evaluate the performance of diverse varieties at different dates of sowing under changing climate.

Objective: Quantifying the yield losses due to delayed sowing in various zones.

Treatments:

Main Plots: Dates of sowing-04
1. 05th Nov
2. 25th Nov
3. 15th Dec
4. 05th Jan

Sub Plots: Varieties-06
1. HS 562
2. HD 2967
3. HD 3086
4. HI1544
5. MACS 6222
6. WR 544

Design: Split Plot
Replication: 03

Observations:
1. Yield attributes
2. Grain and biological yield
3. Disease score-yellow rust and other diseases

CENTRES: All centres in all zones
WHEAT AGRONOMY EXPERIMENT NO. SPL-7

TITLE: Validation of Nutrient Expert in wheat.

OBJECTIVES: Precision nutrient recommendation using Nutrient Expert.

TREATMENTS:

TREATMENTS: 07
1. Absolute control
2. RDF (Recommended doses of fertilizers)
3. 150% RDF
4. 150% PK
5. 150% NK
6. 150% NP
7. Nutrient Expert

Design: RBD

Replication: Three

Plot size- Minimum 1.80 * 8 m = 14.4 sq.m.

FERTILIZERS: Recommended doses of fertilizers (RDF)
- NHZ, CZ and PZ: 120:60:40 kg N, P₂O₅ and K₂O/ha
- NW/PZ and NE/PZ: 150:60:40 kg N, P₂O₅ and K₂O/ha

Apply 1/3 rd nitrogen, full phosphorus and potash as basal, 1/3 rd at first irrigation and the remaining 1/3 rd at second irrigation

Observations:
I. Nutrient status of soil
II. Yield attributes
III. Grain and biological yield

Centres: Almora, Bajaura, Malan, Hisar, Karnal, Ludhiana, Pantnagar, Varanasi, Udaipur, Dharwad.
New Experiments to address zone wise package of practices

WHEAT AGRONOMY EXPERIMENT NO.

2019-2020

TITLE: Maximising wheat yield by early wheat sowing and higher fertilizer dose in NWPZ.

OBJECTIVE: To maximize wheat productivity by early sowing, higher fertilizer dose and response of varieties due to climatic variations in NWPZ.

TREATMENTS

A. Dates of sowing (Main-plots): 04

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>20th October</td>
</tr>
<tr>
<td>D2</td>
<td>30th October</td>
</tr>
<tr>
<td>D3</td>
<td>10th November</td>
</tr>
<tr>
<td>D4</td>
<td>20th November</td>
</tr>
</tbody>
</table>

B. Nutrient management option (Main-plots): 02

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NM1</td>
<td>Recommended Fertiliser Dose (RFD)</td>
</tr>
<tr>
<td>NM3</td>
<td>150% RFD+ FYM15 t/ha+Growth Regulators*</td>
</tr>
</tbody>
</table>

*NOTE: Two sprays as tank mix-Chlormequat chloride (Lihocin) @ 0.2%+tebuconazole (Folicur 430 SC) @ 0.1% of commercial product dose at First Node and Flag leaf (Tank mix application)

C. Genotypes (Sub-plots): 03

NWPZ

1. DBW 222  2. DBW 187  3. HD3086

DESIGN: Split-Split-plot

REPLICATIONS: Three

PLOT SIZE: GROSS: 1.60 m x 8 m = 12.80 sq. m. (8 rows at 20 cm spacing)  
NET: 1.20 m x 7 m = 8.40 sq. m. (6 inner rows x 7 m long)

FERTILISER: Apply 1/3rd nitrogen, full phosphorus and potash as basal dose and the remaining 2/3rd nitrogen as 1/3rd at first irrigation and 1/3rd at second irrigation.

Seed Required: 2.5 kg per location

SEED RATE: 100 kg /ha for timely sown and 125 kg/ha for late and very late sown conditions (Adjust seed rate considering 1000 grains weight as 38 g).

CENTRES: Delhi, Gurdaspur, Hisar, Karnal, Ladowal (BISA), Ludhiana, Pantnagar.
WHEAT AGRONOMY EXPERIMENT NO.  

2019-2020

TITLE: Exploring timely sowing of wheat in NEPZ through surface seeding and seed priming under rice-wheat system.

OBJECTIVE: To maximize wheat productivity by seed priming and surface seeding in NEPZ.

TREATMENTS:

1. Dry seed surface seeding
2. 12 hour soaked seed surface seeding
3. Cow dung slurry treated seed surface seeding
4. Seed priming (1% KNO$_3$ i.e. 10 g /litre)
5. Seed priming (1% CaCl$_2$ i.e. 10 g /litre)
6. Zero tillage sowing (with time gap)
7. Conventional tillage (with time gap)

DESIGN: RCBD

REPLICATIONS: Three

FERTILISER Apply 1/3$^{rd}$ nitrogen, full phosphorus and potash as basal dose as per treatments and the remaining 2/3$^{rd}$ nitrogen as 1/3$^{rd}$ at first irrigation and 1/3$^{rd}$ at second irrigation.

OBSERVATIONS:

1. Yield and yield attributes
WHEAT AGRONOMY EXPERIMENT NO.

2019-2020

TITLE: Optimisation of nutrient doses for high yield potential under different zones.

OBJECTIVE: To maximize wheat productivity by optimizing the nutrients doses.

TREATMENTS:

Treatments

1. 100% recommended doses of NPK
2. 125% recommended doses of NPK
3. 150% recommended doses of NPK
4. 100% recommended doses of NPK with growth regulators spray at jointing and boot leaf stage
5. 125% recommended doses of NPK with growth regulators spray at jointing and boot leaf stage
6. 150% recommended doses of NPK with growth regulators spray at jointing and boot leaf stage
7. Absolute control (No fertilizers and no growth regulators spray)

Design: Randomized Block Design

Rep: Three

1. Variety: Latest released variety of wheat for the respective zone

(Note: The field should not be kept fallow during kharif.)
LIST OF CENTRES AND COOPERATING SCIENTISTS WORKING UNDER RESOURCE MANAGEMENT PROGRAMME OF THE AICW&BIP (2019-20)

NORTHERN HILLS ZONE

1. Almora  Dr Dibakar Mahanta, Scientist (Agronomy), Division of CPD, VPKAS, Almora, Uttarakhand-263 601.  
   Email: dibakar.mahanta@yahoo.com, Mobile: 09456108508

2. Bajaura*  Dr Gurudev Singh, Assistant Agronomist,  
   CSK HPKV, HAREC, Bajaura-175 125, Kullu, HP.  
   Email: gdevsaandil@rediffmail.com, Mobile: 09418479856

3. Khudwani  Dr Ashfaq Hussain, Scientist Agronomy,  
   NRCFC, SKUAST-K, Khudwani, Anantnag- 192 102, J&K, India.  
   Email: ahsah71@gmail.com, Mobile: 09906688383.

4. Malan*  Dr Ajay Deep Bindra, Scientist (Agronomy),  
   CSKHPKV, RWRC, Malan-176 047, Distt. Kangra, HP.  
   Email: adbindra03@yahoo.co.in; Mobile:094181 49795

5. Shimla  Dr Dharam Pal, Senior Scientist (Plant Breeding),  
   IARI Regional Station, Tutikandi, Shimla-171 004, HP.  
   Email: dpwalia@rediffmail.com; Mobile:09817163305

NORTH WESTERN PLAINS ZONE

1. Agra  Dr BP Singh, Head, Department of Agronomy, RBS College, Bichpuri,  
   Agra, UP-283105. Email: drbpsingh.rbs@gmail.com, Mobile: 09412430788

2. Durgapur*  Dr Sudesh Kumar, Agronomist , AICRP on Wheat and Barley, RAU, Durgapur,  
   Jaipur (Rajasthan)-302015  
   Email: sharmask@rediffmail.com, Mobile:094629 56244

3. Gurdaspur  Dr (Mrs) Charanjit Kaur, Agronomist, PAU Regional Research Station, Gurdaspur- 143521, Punjab.  
   Email: virgocharan@yahoo.com, Mobile:09813078155

4. Hisar*  Dr Bhagat Singh, Assistant Wheat Agronomist, Department of Plant Breeding, CCS HAU, Hisar (Haryana)-125 004.  
   Email: bsdsahiya@gmail.com, Mobile:09813078155

   Email: drmaheshagron@gmail.com, Mobile:09419203116

6. Karnal  Dr RK Sharma, Principal Investigator & PI (RM), ICAR-IIWBR, Karnal-132001, Haryana  
   Email: RK.Sharma@icar.gov.in, Mobile: 09416252374

7. Ludhiana*  Dr Hari Ram Saharan, Senior Wheat Agronomist, Deptt. of Plant Breeding, and Genetics,  
   PAU, Ludhiana - 141 004.  
   Email: hr.saharan@yahoo.com, Mobile:09501002967

8. New Delhi  Dr Shiva Dhar, Principal Scientist (Agronomy), Division of Agronomy, IARI, New Delhi - 110 012.  
   Email: drsdsr@gmail.com, Mobile:09868354933

9. Pantnagar*  Dr DS Pandey, Prof (Agronomy),  
   Email: drdpandey@gmail.com, Mobile:09412438860  
   Dr VP Singh, Prof (Agronomy), Email: vps@yahoo.com, Mobile:09451407245  
   Dr Rajeev Kumar, Jr. Research Officer, Email: shuklarajeev@gmail.com, Mobile:09411320357

Department of Agronomy Science, College of Agriculture, GBPUA&T, Pantnagar, US Nagar, Uttarakhand, - 263 145
10. Sriganganagar  Dr Balram Godara, Wheat Agronomist, Agricultural Research Station, Karni Road, Sriganganagar- 335 001, Email:balram.g.ars@gmail.com, Mobile: 09413155287

NORTH EASTERN PLAINS ZONE

1. Burdwan  Dr PK Saha, Chief Agronomist & Ex-officio Joint Director of Agriculture, Field Crop Research Station, Kalna Road, PO- Burdwan, District- Purba Bardhaman, West Bengal-713 101. Email: cajdafcrs@gmail.com, Mobile: 09933946478 / 07908758542

2. Coochbehar*  Dr Biplab Mitra, Assistant Professor (Sr. Scale), Department of Agronomy, Uttar Banga Krishi Viswavidyalaya, Pundibari, Coochbehar, West Bengal-736165. Email: bipmitra@yahoo.com; Mobile: 09434502292

3. Faizabad*  Dr Vijay Singh, Agronomist (AICW&BIP), Department of Genetics & Plant Breeding, NDUAT, Kumarganj, Faizabad- 224 229 (UP). Email: singhv.1959@gmail.com, Mobile:

4. Kalyani*  Dr Dhiman Mukherjee, Associate Prof. (Agronomy), AICWIP, BCKV, Kalyani, District Nadia, West Bengal-741 235. Email: dhiman_mukherjee@yahoo.co.in, Mobile:08902006350

5. Kanpur*  Dr Ram Ashish Yadav, Professor (Agronomy), Section of EB (Rabi Cereals), CSAUA&T, Kanpur- 208 002, UP. Email: ramashish94@yahoo.in; Mobile: 09450129685.

6. Pusa (IARI)  Dr Mohammad Hashim, Scientist (Agronomy), IARI Regional Station, Pusa-848125. Distt. Samastipur, Bihar. Email: hashim.agronomy@rediffmail.com; Mobile:094316 49172

7. PUSA (RAU)  Dr DK Roy, Sr. Scientist (Wheat Agronomist) Deptt. of Agronomy, RAU, Pusa-848 125, Distt. Samastipur, Bihar. Email: dr_dhirendra_krroy@yahoo.com, Mobile: 09430181071

8. Ranchi*  Dr. Naiyer Ali, Agronomist (Wheat), Department of Agronomy, BAU, Kanke, Ranchi-834 006, Jharkhand. Email: nai.bau@rediffmail.com; Mobile: 09801241156

9. Sabour*  Dr Sushil Kumar Pathak, Agronomist, Department of Agronomy, Bihar Agricultural College, Sabour-813 210, District- Bhagalpur, Bihar Email: sushil82.2009@rediffmail.com, Mobile: 09431310417

10. Shillongani*  Dr TP Saikia, Principal Scientist (Agronomy), Regional Agricultural Research Station, Assam Agricultural University, Shillongani, Nagaon-782 002, Assam. Email: tpsaikia@gmail.com; Mobile: 09435162356

11. Varanasi*  Dr RK Singh, Agronomist (AICW&BIP), Department of Agronomy, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi- 221 005 (UP). Email: rks1660bhu@gmail.com, Mobile: 09450533438

CENTRAL ZONE

1. Bilaspur*  Dr Dinesh Pandey, Scientist (Agron), TCB College of Agriculture & Research Station, IGKV, Sarkanda, Bilaspur, Chhattisgarh, MP-495 001. Phone: 07752-254379-80. Email: pdp1974@rediffmail.com, Mobile: 09098546806

2. Gwalior*  Dr SPS Tomar, Senior Scientist (Agronomy), Wheat Improvement Project, College of Agriculture,
RVSKVV, Gwalior -474 002, MP.
Email: spstomar_agril@hotmail.com; Mobile: 098266 39230

3. Indore
Dr KC Sharma, Senior Scientist (Agronomy),
IARI Regional Station, Old Sehore Road, Indore- 452 001, MP.
Email: kc_64sharma@yahoo.com, Mobile: 07489893860

4. Jabalpur
Dr RS Shukla, Principal Scientist &Incharge,
Wheat Improvement Project, Dept of Plant Breeding,
JNKVV, Jabalpur-482 004 (MP)

5. Junagarh*
Dr VB Ramani, Assistant Research Scientist (Agronomy),
Wheat Research Station, JAU, Junagarh-362 001, Gujarat.
Email: vinod@jau.in; Mobile: 09428775044

6. Powarkheda*
Dr RK Meshram, Wheat Agronomist,
Wheat Improvement Project, Zonal Agricultural Research Station,
Powarkheda, Distt. Hoshangabad, MP-461 110.
Email: rkmagro06@gmail.com, Mobile: 09179761772

7. Udaipur*
Dr Jagdish Choudhary, Assist. Professor (Agronomy),
Department of Agronomy, Rajasthan College of Agriculture, Udaipur,
Rajasthan-313 001.
Email: aicrp.wheat.udaipur@gmail.com, jaggiudr@gmail.com, Mobile: 09460632522

8. Vijapur*
Dr Manthan S Dabhi, Assistant Research Scientist (Agronomy),
Centre of Excellence for Research on Wheat, SD Agricultural University,
Vijapur - 382 870, District- Mehsana, Gujarat.
Email: manthandabhi4@gmail.com, Mobile: 09173593685

PENINSULAR ZONE

1. Akola*
Dr PV Mahatale, Agronomist (Wheat),
Wheat Research Unit, Crop Research Station,
PKV, Akola, Maharashtra.
Email: mahatale1978@rediffmail.com, Mobile: 09421755536

2. Dharwad*
Dr (Mrs) T Sudha, Agronomist (Wheat)
AICW&BIP, UAS, Dharwad-580 005, Karnataka.
Email: sudhagron@gmail.com; Mobile: 09886335983.

3. Niphad*
Dr Avinash B Gosavi, Assistant Professor,
Agricultural Research Station, MPKV, Niphad-422 303,
Distt. Nasik, Maharashtra.
Email: arsniphad@yahoo.co.in; gosaviadi@rediffmail.com, Mobile: 09850576081

4. Pune*
Dr Vijendra S Baviskar, Scientist ‘B’
Agharkar Research Institute, Experimental Research Farm, Sortewadi,
8th phata, Post Karanje, Taluka Baramati, District Pune, Maharashtra – 412 306.
Email: vijendra22kar@gmail.com, vsbaviskar@aripune.org
Phone: 02112 282164; Mobile: 09374174797

5. Washim
Dr PS Solunke, Associate Professor,
Agricultural Research Station, Washim, District Washim - 444 505.
Email: pssolunke@yahoo.com; Mobile: 09404512645

6. Wellington
Dr M Sivasamy, Senior Scientist,
IARI Regional Station, Wellington, Nilgiris, Tamil Nadu-643 231.
Email: iariwheatsiva@rediffmail.com, iariwheatsiva@gmail.com, head_well@iari.res.in,
Phone: 0423-2237969, Mobile: 09442350299

*Funded Centres
SOWING DATES FOR DIFFERENT ZONES UNDER IRRIGATED CONDITIONS

<table>
<thead>
<tr>
<th>ZONE</th>
<th><em>Triticum aestivum</em></th>
<th><em>Triticum durum</em></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NORTHERN HILLS ZONE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timely</td>
<td>5(^{th}) Nov. to 11(^{th}) Nov.</td>
<td></td>
</tr>
<tr>
<td>Late</td>
<td>26(^{th}) Nov. to 2(^{nd}) Dec.</td>
<td></td>
</tr>
<tr>
<td>Very Late</td>
<td>17(^{th}) Dec. to 23(^{rd}) Dec.</td>
<td></td>
</tr>
<tr>
<td><strong>NORTH WESTERN PLAINS ZONE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timely</td>
<td>5(^{th}) Nov. to 11(^{th}) Nov.</td>
<td>29(^{th}) Oct. to 4(^{th}) Nov.</td>
</tr>
<tr>
<td>Late</td>
<td>10(^{th}) Dec. to 16(^{th}) Dec.</td>
<td>26(^{th}) Nov. to 2(^{nd}) Dec.</td>
</tr>
<tr>
<td>Very Late</td>
<td>1(^{st}) Jan. to 7(^{th}) Jan.</td>
<td></td>
</tr>
<tr>
<td><strong>NORTH EASTERN PLAINS ZONE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timely</td>
<td>12(^{th}) Nov. to 18(^{th}) Nov.</td>
<td></td>
</tr>
<tr>
<td>Late</td>
<td>10(^{th}) Dec. to 16(^{th}) Dec.</td>
<td></td>
</tr>
<tr>
<td>Very Late</td>
<td>1(^{st}) Jan. to 7(^{th}) Jan.</td>
<td></td>
</tr>
<tr>
<td><strong>CENTRAL ZONE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timely</td>
<td>12(^{th}) Nov. to 18(^{th}) Nov.</td>
<td>5(^{th}) Nov. to 11(^{th}) Nov.</td>
</tr>
<tr>
<td>Late</td>
<td>3(^{rd}) Dec. to 9(^{th}) Dec.</td>
<td></td>
</tr>
<tr>
<td>Very Late</td>
<td>24(^{th}) Dec. to 31(^{st}) Dec.</td>
<td></td>
</tr>
<tr>
<td><strong>PENINSULAR ZONE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timely</td>
<td>5(^{th}) Nov. to 11(^{th}) Nov.</td>
<td>5(^{th}) Nov. to 11(^{th}) Nov.</td>
</tr>
<tr>
<td>Late</td>
<td>26(^{th}) Nov. to 2(^{nd}) Dec.</td>
<td></td>
</tr>
<tr>
<td>Very Late</td>
<td>17(^{th}) Dec. to 23(^{rd}) Dec.</td>
<td></td>
</tr>
<tr>
<td><strong>SOUTHERN HILLS ZONE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timely</td>
<td>26(^{th}) Nov. to 2(^{nd}) Dec.</td>
<td></td>
</tr>
<tr>
<td>Late</td>
<td>24(^{th}) Dec. to 31(^{th}) Dec.</td>
<td></td>
</tr>
</tbody>
</table>