



## National Coordinated Varietal Trials (NCVT) for Cotton in Pakistan During 2020

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## ABSTRACT

National Coordinated Varietal trials (NCVT) for cotton are conducted by the Directorate of Agricultural Research, PCCC with the objective of testing promising breeding material/strains developed by various cotton breeders of Federal and Provincial institutes as well as private sector seed companies for adaptability under various soil and agro-climatic conditions of different ecological zones under the supervision which are entrusted with the task of research on cotton varieties in the country prior to their approval for general cultivation. During 2020-21 four (4) set of trials (Set-A, Set-B, Set-C, Set-D) were conducted at 15 different locations to test 85 candidate varieties (45 from public sector breeders and 40 from Private sector breeders). 38 varieties were tested for 1st year while 46 varieties were in 2nd year trial and 1 variety was in 3rd year trial.

**Keywords:** Cotton, variety, Pakistan, yield, varietal trial.

**INTRODUCTION: Pakistan Central Cotton Committee**

**(PCCC):** The Pakistan Central Cotton Committee (PCCC) is an apex organization established under the Cotton Cess Act 1923 with the mandate to develop the cotton crop through research. PCCC generates its funding through levy of cess @ Rs. 50 per bale. The PCCC governing body comprises 18 members from the public and private sectors, representing concerned federal government ministries and provincial agriculture departments, agricultural research institutions and stakeholders from the private sector, including growers and end-users. It has four Committees to oversee research, marketing, and administrative functions. Over the last six decades, significant improvement has taken place in the development of new varieties, crop production technologies, and yield per hectare. The country has harvested around 12 million bales annually during the last decade. The PCCC has a vast network of cotton R&D in the country. During 2019-20 102 cotton strains developed by the public and private sectors were tested in National Coordinated Trial, which were grouped into four sets, and were planted on fourteen places throughout the cotton belt of the country

**National Coordinated Varietal Trial (NCVT):** PCCC is entrusted with the task of research on cotton varieties prior to their approval for general cultivation. National Coordinated Varietal Trials (NCVT) are conducted annually with the objective of testing promising breeding material/strains, developed by various cotton breeders of federal, provincial institutions and private seed sector, for adaptability under different climatic and soil conditions of different ecological zones of the country. Candidate strains are tested in various trials under NCVT Programme with coded names in a uniform experimental design through the cotton belt. These varieties are tested at the following research institutes / stations across cotton belt in four provinces.

The efficacy of toxicity level of Bt varieties tested under different trials are also done from 4 Biotech Laboratories of Agricultural

Biotechnology Research Institute (ABRI), Faisalabad; National Institute for Biotechnology & Genetic Engineering (NIBGE), Faisalabad; Centre for Excellence in Molecular Biology (CEMB), Lahore and National Institute for Genetics & Agricultural Biotechnology (NIGAB), Islamabad.

|                                       |   |
|---------------------------------------|---|
| <b>Punjab</b>                         | i) Central Cotton Research Institute, Multan<br>ii) Cotton Research Station, Multan<br>iii) Cotton Research Station, Vehari<br>iv) Cotton Research Station, Bahawalpur<br>v) Cotton Research Station, Sahiwal<br>vi) Cotton Research Institute, Faisalabad<br>vii) Nuclear Institute of Biotechnology & Genetic Engineering           |
| <b>Sindh</b>                          | viii) Nuclear Institute of Agriculture & Biology<br>i) Central Cotton Research Institute, Sakrand<br>ii) Cotton Research Station, Mirpurkhas<br>iii) Cotton Research Station, Ghotki<br>iv) Nuclear Institute for Agriculture, Tandojam<br>v) Agricultural Research Institute, Tandojam<br>vi) Sindh Agriculture University, Tandojam |
| <b>Khyber Pakhtunkhwa Balochistan</b> | i) Cotton Research Station, D.I. Khan<br>ii) Cotton Research Station, Lasbela<br>iii) Cotton Research Station, Sibbi<br>iii) Agricultural Research Institute, Khuzdar   |

**MATERIAL AND METHODS:** The eighty-five cotton varieties along with two standards from public and private sectors were received to directorate of Agricultural Research, PCCC. The seed samples were coded for ensuring the authenticity of results and distributed in fifteen different locations along the country for further testing. Randomized completed block design (RCBD) was used as an experimental design.

**RESULTS: Trial-I (Set-A)** was conducted at fourteen (15) different locations throughout cotton growing belt of the country in the Punjab, Sindh, KPK and Baluchistan. At each location 7

non-Bt. candidate varieties were tested and compared against 2020 NCVT: Biochemical tests (BCT): Seed samples of all varieties standard variety in respect of average yield in kg/ha. The yield data (95 candidate with 2 standards) were sent to two Reference Labs received from all locations for NCVT 2020 -Set-A is presented at Table 1. (AHB and CEMB) approved by the Punjab Seed Council for 1. biochemical analysis. Summarize Result of Biochemical Test of 2020

**Trial-II (Set-B)** was conducted at fourteen (15) different locations in cotton growing belt of the country for evaluation of promising cotton strains. At each location 25 Bt. Strains from Public sector and Private sector cotton breeders were tested against the standard variety. The yield data received from all locations for NCVT 2020 -Set-B is presented at Table 2.

**Trial-III (Set-C)** was conducted at fourteen (15) different locations and at each location 25 Bt. Varieties from public sector and from private sector cotton breeders were tested against the standard variety. The yield data received from all locations for NCVT 2020 -Set-C is presented at Table 3.

**Trial-IV (Set-D)** was conducted at fourteen (15) different locations and at each location 25 Bt. Varieties from Public sector and from Private sector cotton breeders were tested against the standard variety. The yield data received from all locations for NCVT 2020 -Set-D is presented at Table 4.1 to Table

NCVT varieties is at [Annexure-I](#).

**CONCLUSION:** It can be concluded from the results that from NCVT Set-A highest seed cotton yield was harvested from PC-2008 at Cotton Research Institute Rahim Yar Khan followed by the PC-2004 at Cotton Research Station Sibbi Balochistan. From NCVT Set-B highest yield was marked by the PC-2011 at Cotton Research Station Faisalabad followed by the PC-2032 at Cotton Research Station Faisalabad. From NCVT Set-C highest seed cotton yield was obtained from PC-2039 at NIAB Faisalabad followed by the PC-2038 at Cotton Research Institute Rahim Yar Khan. In NCVT Set-D highest seed cotton yield was obtained from PC-2065 at Cotton Research Station Sibbi followed by the PC-2077 at Cotton Research Station Sibbi. Most of the strains showed Cry1Ac gene quantification above standard (i.e. 2.5µg/g).

| Sr.No | Codes   | R-1  | R-2  | R-3  | Total | Average |
|-------|---------|------|------|------|-------|---------|
| 1     | PC-2001 | 1238 | 820  | 1275 | 3333  | 1111    |
| 2     | PC-2002 | 810  | 1225 | 1215 | 3250  | 1083    |
| 3     | PC-2003 | 1566 | 1458 | 1296 | 4320  | 1440    |
| 4     | PC-2004 | 1421 | 1134 | 1609 | 4164  | 1388    |
| 5     | PC-2005 | 1458 | 1296 | 1432 | 4186  | 1395    |
| 6     | PC-2006 | 1620 | 1458 | 1134 | 4212  | 1404    |
| 7     | PC-2007 | 1405 | 1134 | 1296 | 3835  | 1278    |
| 8     | PC-2008 | 1130 | 1296 | 1422 | 3848  | 1283    |

Table 1.1 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS, Sahiwal

| Sr.No | Codes   | R-1 | R-2 | R-3 | Total | Average |
|-------|---------|-----|-----|-----|-------|---------|
| 1     | PC-2001 | 209 | 211 | 198 | 618   | 206     |
| 2     | PC-2002 | 491 | 466 | 471 | 1428  | 476     |
| 3     | PC-2003 | 260 | 275 | 271 | 806   | 269     |
| 4     | PC-2004 | 208 | 219 | 221 | 648   | 216     |
| 5     | PC-2005 | 595 | 601 | 610 | 1806  | 602     |
| 6     | PC-2006 | 541 | 533 | 543 | 1617  | 539     |
| 7     | PC-2007 | 449 | 428 | 419 | 1296  | 432     |
| 8     | PC-2008 | 669 | 690 | 678 | 2037  | 679     |

Table 1.2 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CCRRI Multan

| Sr.No | Codes   | R-1  | R-2  | R-3  | Total | Average |
|-------|---------|------|------|------|-------|---------|
| 1     | PC-2001 | 2023 | 1838 | 1734 | 5595  | 1865    |
| 2     | PC-2002 | 2163 | 2367 | 2186 | 6716  | 2239    |
| 3     | PC-2003 | 2372 | 1958 | 1834 | 6164  | 2055    |
| 4     | PC-2004 | 2628 | 2526 | 2344 | 7498  | 2499    |
| 5     | PC-2005 | 1699 | 1832 | 1844 | 5375  | 1792    |
| 6     | PC-2006 | 1678 | 1496 | 1782 | 4956  | 1652    |
| 7     | PC-2007 | 2096 | 2010 | 2053 | 6159  | 2053    |
| 8     | PC-2008 | 2963 | 2883 | 2587 | 8433  | 2811    |

Table 1.3 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS, Faisalabad

| Sr.No | Codes   | R-1  | R-2 | R-3 | Total | Average |
|-------|---------|------|-----|-----|-------|---------|
| 1     | PC-2001 | 1076 | 896 | 834 | 2807  | 936     |
| 2     | PC-2002 | 630  | 670 | 767 | 2067  | 689     |

|   |         |      |      |      |      |      |
|---|---------|------|------|------|------|------|
| 3 | PC-2003 | 1285 | 1305 | 1155 | 3745 | 1248 |
| 4 | PC-2004 | 1196 | 878  | 785  | 2859 | 953  |
| 5 | PC-2005 | 1006 | 1006 | 780  | 2793 | 931  |
| 6 | PC-2006 | 764  | 611  | 654  | 2029 | 676  |
| 7 | PC-2007 | 377  | 468  | 353  | 1197 | 399  |
| 8 | PC-2008 | 1343 | 1803 | 1389 | 4534 | 1511 |

Table 1.4 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS, Vehari

| Sr.No | Codes   | R-1  | R-2  | R-3  | Total | Average |
|-------|---------|------|------|------|-------|---------|
| 1     | PC-2001 | 1419 | 1737 | 2647 | 5802  | 1934    |
| 2     | PC-2002 | 1689 | 1900 | 1202 | 4791  | 1597    |
| 3     | PC-2003 | 1792 | 2864 | 2376 | 7032  | 2344    |
| 4     | PC-2004 | 1291 | 1736 | 2225 | 5251  | 1750    |
| 5     | PC-2005 | 1780 | 2155 | 2637 | 6571  | 2190    |
| 6     | PC-2006 | 1632 | 2114 | 2275 | 6021  | 2007    |
| 7     | PC-2007 | 987  | 1093 | 1204 | 3284  | 1095    |
| 8     | PC-2008 | 2925 | 3628 | 2703 | 9256  | 3085    |

Table 1.5 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRI, R.Y. Khan

| Sr.No | Codes   | R-1  | R-2  | R-3  | Total | Average |
|-------|---------|------|------|------|-------|---------|
| 1     | PC-2001 | 2024 | 2181 | 1959 | 6164  | 2055    |
| 2     | PC-2002 | 1622 | 1902 | 1765 | 5289  | 1763    |
| 3     | PC-2003 | 2095 | 2303 | 2239 | 6637  | 2212    |
| 4     | PC-2004 | 1328 | 1442 | 1277 | 4047  | 1349    |
| 5     | PC-2005 | 2246 | 2160 | 2103 | 6509  | 2170    |
| 6     | PC-2006 | 1134 | 962  | 1084 | 3180  | 1060    |
| 7     | PC-2007 | 1177 | 1127 | 1012 | 3316  | 1105    |
| 8     | PC-2008 | 2447 | 2303 | 2246 | 6996  | 2332    |

Table 1.6 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS D.I. Khan

| Sr.No | Codes   | R-1  | R-2  | R-3  | Total | Average |
|-------|---------|------|------|------|-------|---------|
| 1     | PC-2001 | 1436 | 1436 | 2513 | 5385  | 1795    |
| 2     | PC-2002 | 1795 | 1436 | 2154 | 5385  | 1795    |
| 3     | PC-2003 | 2513 | 2513 | 2513 | 7539  | 2513    |
| 4     | PC-2004 | 2154 | 2154 | 2513 | 6821  | 2274    |
| 5     | PC-2005 | 1436 | 1436 | 1795 | 4667  | 1556    |
| 6     | PC-2006 | 1795 | 2154 | 2154 | 6103  | 2034    |
| 7     | PC-2007 | 2154 | 2154 | 2154 | 6462  | 2154    |
| 8     | PC-2008 | 1795 | 2513 | 2154 | 6462  | 2154    |

Table 1.7 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS Khuzdar

| Sr.No | Codes   | R-1  | R-2  | R-3  | Total | Average |
|-------|---------|------|------|------|-------|---------|
| 1     | PC-2001 | 1112 | 1076 | 1041 | 3229  | 1076    |
| 2     | PC-2002 | 1041 | 1112 | 969  | 3122  | 1041    |
| 3     | PC-2003 | 1507 | 1435 | 1363 | 4305  | 1435    |
| 4     | PC-2004 | 1220 | 1148 | 1112 | 3480  | 1160    |
| 5     | PC-2005 | 1471 | 1435 | 1363 | 4269  | 1423    |
| 6     | PC-2006 | 1076 | 1041 | 969  | 3086  | 1029    |
| 7     | PC-2007 | 1112 | 1005 | 1076 | 3193  | 1064    |
| 8     | PC-2008 | 1328 | 1256 | 1220 | 3804  | 1268    |

Table 1.8 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS Bahawalpur

| Sr.No | Codes   | R-1  | R-2  | R-3 | Total | Average |
|-------|---------|------|------|-----|-------|---------|
| 1     | PC-2001 | 280  | 316  | 301 | 897   | 299     |
| 2     | PC-2002 | 617  | 538  | 459 | 1615  | 538     |
| 3     | PC-2003 | 574  | 646  | 359 | 1579  | 526     |
| 4     | PC-2004 | 574  | 646  | 502 | 1722  | 574     |
| 5     | PC-2005 | 682  | 682  | 646 | 2009  | 670     |
| 6     | PC-2006 | 753  | 431  | 646 | 1830  | 610     |
| 7     | PC-2007 | 466  | 431  | 466 | 1363  | 454     |
| 8     | PC-2008 | 1112 | 1005 | 789 | 2906  | 969     |

Table 1.9 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRI Multan

| Sr.No | Codes   | R-1  | R-2  | R-3  | Total | Average |
|-------|---------|------|------|------|-------|---------|
| 1     | PC-2001 | 2154 | 1795 | 2513 | 6462  | 2154    |
| 2     | PC-2002 | 2154 | 2513 | 2872 | 7539  | 2513    |
| 3     | PC-2003 | 2872 | 2513 | 2872 | 8257  | 2752    |
| 4     | PC-2004 | 2513 | 2872 | 2513 | 7898  | 2633    |
| 5     | PC-2005 | 1436 | 1795 | 2154 | 5385  | 1795    |
| 6     | PC-2006 | 1795 | 2154 | 2513 | 6462  | 2154    |
| 7     | PC-2007 | 2154 | 1795 | 2154 | 6103  | 2034    |
| 8     | PC-2008 | 2513 | 2872 | 2154 | 7539  | 2513    |

Table 1.10 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS Lasbela

| Sr. No | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2001 | 861  | 592  | 431  | 1884  | 628     |
| 2      | PC-2002 | 700  | 404  | 753  | 1857  | 619     |
| 3      | PC-2003 | 807  | 834  | 753  | 2395  | 798     |
| 4      | PC-2004 | 780  | 538  | 484  | 1803  | 601     |
| 5      | PC-2005 | 1238 | 1238 | 942  | 3417  | 1139    |
| 6      | PC-2006 | 861  | 646  | 619  | 2126  | 709     |
| 7      | PC-2007 | 834  | 915  | 700  | 2449  | 816     |
| 8      | PC-2008 | 1588 | 1964 | 1534 | 5086  | 1695    |

Table 1.11 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRI Tandojam

| Sr. No | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2001 | 807  | 843  | 771  | 2422  | 807     |
| 2      | PC-2002 | 413  | 549  | 556  | 1518  | 506     |
| 3      | PC-2003 | 1177 | 1249 | 1213 | 3638  | 1213    |
| 4      | PC-2004 | 1019 | 994  | 829  | 2842  | 947     |
| 5      | PC-2005 | 1223 | 1188 | 1259 | 3670  | 1223    |
| 6      | PC-2006 | 811  | 811  | 743  | 2364  | 788     |
| 7      | PC-2007 | 940  | 1048 | 858  | 2845  | 948     |
| 8      | PC-2008 | 1615 | 1593 | 1654 | 4862  | 1621    |

Table 1.12 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRI Sakrand

| Sr. No | Code    | R1  | R2  | R3  | Total | Average |
|--------|---------|-----|-----|-----|-------|---------|
| 1      | PC-2001 | 347 | 374 | 356 | 1077  | 359     |
| 2      | PC-2002 | 545 | 517 | 566 | 1628  | 543     |
| 3      | PC-2003 | 654 | 617 | 649 | 1920  | 640     |
| 4      | PC-2004 | 740 | 733 | 718 | 2191  | 730     |
| 5      | PC-2005 | 390 | 380 | 368 | 1138  | 379     |
| 6      | PC-2006 | 408 | 389 | 379 | 1176  | 392     |
| 7      | PC-2007 | 400 | 384 | 391 | 1175  | 392     |
| 8      | PC-2008 | 780 | 742 | 734 | 2256  | 752     |

Table 1.13 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS Ghotki

| Sr. No | Code    | R1       | R2       | R3       | Total     | Average |
|--------|---------|----------|----------|----------|-----------|---------|
| 1      | PC-2001 | 807.255  | 792.9038 | 800.0794 | 2400.2382 | 800.08  |
| 2      | PC-2002 | 918.4768 | 904.1256 | 911.3012 | 2733.9036 | 911.30  |
| 3      | PC-2003 | 879.011  | 914.889  | 900.5378 | 2694.4378 | 898.15  |
| 4      | PC-2004 | 843.133  | 918.4768 | 896.95   | 2658.5598 | 886.19  |
| 5      | PC-2005 | 957.9426 | 879.011  | 925.6524 | 2762.606  | 920.87  |
| 6      | PC-2006 | 800.0794 | 832.3696 | 771.377  | 2403.826  | 801.28  |
| 7      | PC-2007 | 767.7892 | 839.5452 | 764.2014 | 2371.5358 | 790.51  |
| 8      | PC-2008 | 782.1404 | 896.95   | 760.6136 | 2439.704  | 813.23  |

Table 1.14 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS Mirpurkhas

| Sr. No | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2001 | 2315 | 3033 | 2876 | 8224  | 2741    |
| 2      | PC-2002 | 1925 | 3022 | 2054 | 7001  | 2334    |
| 3      | PC-2003 | 2293 | 1820 | 2731 | 6844  | 2281    |
| 4      | PC-2004 | 3021 | 2910 | 3011 | 8942  | 2981    |
| 5      | PC-2005 | 2645 | 2700 | 2956 | 8301  | 2767    |

|          |                |      |      |      |      |      |
|----------|----------------|------|------|------|------|------|
| <b>6</b> | <b>PC-2006</b> | 3022 | 3137 | 2791 | 8950 | 2983 |
| <b>7</b> | <b>PC-2007</b> | 2382 | 2810 | 2445 | 7637 | 2546 |
| <b>8</b> | <b>PC-2008</b> | 2127 | 2340 | 2482 | 6949 | 2316 |

Table 1.15 Seed Cotton Yield data of NCVT2020-21 Set A conducted at CRS Sibbi

| <b>Sr.No.</b> | <b>Codes</b> | <b>R-1</b> | <b>R-2</b> | <b>R-3</b> | <b>Total</b> | <b>Average</b> |
|---------------|--------------|------------|------------|------------|--------------|----------------|
| 1             | PC-2009      | 910        | 1134       | 1010       | 3054         | 1018           |
| 2             | PC-2010      | 1188       | 872        | 904        | 2964         | 988            |
| 3             | PC-2011      | 943        | 1086       | 1172       | 3201         | 1067           |
| 4             | PC-2012      | 1848       | 1972       | 1895       | 5715         | 1905           |
| 5             | PC-2013      | 972        | 972        | 810        | 2754         | 918            |
| 6             | PC-2014      | 1796       | 1834       | 1915       | 5545         | 1848           |
| 7             | PC-2015      | 1134       | 972        | 1296       | 3402         | 1134           |
| 8             | PC-2016      | 729        | 810        | 972        | 2511         | 837            |
| 9             | PC-2017      | 948        | 1088       | 948        | 2984         | 995            |
| 10            | PC-2018      | 842        | 972        | 924        | 2738         | 913            |
| 11            | PC-2019      | 1136       | 1004       | 920        | 3060         | 1020           |
| 12            | PC-2020      | 804        | 948        | 1004       | 2756         | 919            |
| 13            | PC-2021      | 907        | 810        | 1056       | 2773         | 924            |
| 14            | PC-2022      | 1004       | 948        | 1104       | 3056         | 1019           |
| 15            | PC-2023      | 972        | 1122       | 948        | 3042         | 1014           |
| 16            | PC-2024      | 972        | 810        | 988        | 2770         | 923            |
| 17            | PC-2025      | 870        | 1104       | 1058       | 3032         | 1011           |
| 18            | PC-2026      | 887        | 904        | 872        | 2663         | 888            |
| 19            | PC-2027      | 940        | 972        | 810        | 2722         | 907            |
| 20            | PC-2028      | 1072       | 1172       | 972        | 3216         | 1072           |
| 21            | PC-2029      | 872        | 755        | 722        | 2349         | 783            |
| 22            | PC-2030      | 1637       | 1472       | 1388       | 4497         | 1499           |
| 23            | PC-2031      | 936        | 804        | 953        | 2693         | 898            |
| 24            | PC-2032      | 756        | 937        | 1104       | 2797         | 932            |
| 25            | PC-2033      | 937        | 1072       | 872        | 2881         | 960            |
| 26            | PC-2034      | 1108       | 972        | 1024       | 3104         | 1035           |

Table 2.1 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRS Sahiwal

| <b>Sr.No.</b> | <b>Codes</b> | <b>R-1</b> | <b>R-2</b> | <b>R-3</b> | <b>Total</b> | <b>Average</b> |
|---------------|--------------|------------|------------|------------|--------------|----------------|
| 1             | PC-2009      | 884        | 857        | 875        | 2616         | 872            |
| 2             | PC-2010      | 1343       | 1321       | 1344       | 4008         | 1336           |
| 3             | PC-2011      | 1251       | 1219       | 1238       | 3708         | 1236           |
| 4             | PC-2012      | 1850       | 1831       | 1845       | 5526         | 1842           |
| 5             | PC-2013      | 840        | 807        | 828        | 2475         | 825            |
| 6             | PC-2014      | 477        | 439        | 455        | 1371         | 457            |
| 7             | PC-2015      | 101        | 82         | 96         | 279          | 93             |
| 8             | PC-2016      | 963        | 30         | 951        | 1944         | 648            |
| 9             | PC-2017      | 1272       | 1235       | 1258       | 3765         | 1255           |
| 10            | PC-2018      | 988        | 956        | 978        | 2922         | 974            |
| 11            | PC-2019      | 1402       | 1369       | 1390       | 4161         | 1387           |
| 12            | PC-2020      | 1608       | 1581       | 1599       | 4788         | 1596           |
| 13            | PC-2021      | 509        | 480        | 502        | 1491         | 497            |
| 14            | PC-2022      | 1335       | 1304       | 1318       | 3957         | 1319           |
| 15            | PC-2023      | 981        | 952        | 968        | 2901         | 967            |
| 16            | PC-2024      | 511        | 480        | 500        | 1491         | 497            |
| 17            | PC-2025      | 1203       | 1176       | 1194       | 3573         | 1191           |
| 18            | PC-2026      | 528        | 497        | 517        | 1542         | 514            |
| 19            | PC-2027      | 2113       | 2088       | 2102       | 6303         | 2101           |
| 20            | PC-2028      | 891        | 854        | 877        | 2622         | 874            |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 21 | PC-2029 | 917  | 890  | 908  | 2715 | 905  |
| 22 | PC-2030 | 1201 | 1245 | 1255 | 3701 | 1234 |
| 23 | PC-2031 | 1138 | 1115 | 1131 | 3384 | 1128 |
| 24 | PC-2032 | 743  | 716  | 734  | 2193 | 731  |
| 25 | PC-2033 | 485  | 450  | 472  | 1407 | 469  |
| 26 | PC-2034 | 803  | 772  | 792  | 2367 | 789  |

Table 2.2 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CCRI Multan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2009 | 2325 | 2211 | 1790 | 6325  | 2108    |
| 2      | PC-2010 | 2652 | 2385 | 1689 | 6725  | 2242    |
| 3      | PC-2011 | 2387 | 1535 | 2489 | 6411  | 2137    |
| 4      | PC-2012 | 2712 | 2452 | 2334 | 7498  | 2499    |
| 5      | PC-2013 | 2499 | 1783 | 2387 | 6669  | 2223    |
| 6      | PC-2014 | 2659 | 1962 | 2340 | 6962  | 2321    |
| 7      | PC-2015 | 657  | 600  | 339  | 1596  | 532     |
| 8      | PC-2016 | 2814 | 2596 | 2772 | 8182  | 2727    |
| 9      | PC-2017 | 1795 | 2322 | 3032 | 7148  | 2383    |
| 10     | PC-2018 | 2284 | 2122 | 2612 | 7017  | 2339    |
| 11     | PC-2019 | 1797 | 1915 | 1433 | 5145  | 1715    |
| 12     | PC-2020 | 2600 | 2872 | 3046 | 8518  | 2839    |
| 13     | PC-2021 | 2806 | 2701 | 2817 | 8325  | 2775    |
| 14     | PC-2022 | 1525 | 2488 | 2445 | 6458  | 2153    |
| 15     | PC-2023 | 1621 | 1318 | 1629 | 4568  | 1523    |
| 16     | PC-2024 | 2215 | 2317 | 3298 | 7830  | 2610    |
| 17     | PC-2025 | 1953 | 2705 | 2824 | 7481  | 2494    |
| 18     | PC-2026 | 805  | 856  | 1190 | 2851  | 950     |
| 19     | PC-2027 | 1297 | 2585 | 2228 | 6110  | 2037    |
| 20     | PC-2028 | 2011 | 2274 | 2385 | 6670  | 2223    |
| 21     | PC-2029 | 1194 | 2331 | 2181 | 5706  | 1902    |
| 22     | PC-2030 | 2385 | 2560 | 2782 | 7726  | 2575    |
| 23     | PC-2031 | 638  | 1521 | 1376 | 3536  | 1179    |
| 24     | PC-2032 | 1528 | 2290 | 2397 | 6214  | 2071    |
| 25     | PC-2033 | 1626 | 1561 | 1746 | 4932  | 1644    |
| 26     | PC-2034 | 2602 | 2062 | 2931 | 7595  | 2532    |

Table 2.3 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRI R.Y.Khan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2009 | 2797 | 3013 | 2815 | 8625  | 2875    |
| 2      | PC-2010 | 2419 | 2353 | 2173 | 6945  | 2315    |
| 3      | PC-2011 | 4350 | 4093 | 4393 | 12836 | 4279    |
| 4      | PC-2012 | 1721 | 1444 | 1603 | 4768  | 1589    |
| 5      | PC-2013 | 2160 | 2040 | 2319 | 6519  | 2173    |
| 6      | PC-2014 | 2160 | 2165 | 2044 | 6369  | 2123    |
| 7      | PC-2015 | 2152 | 2294 | 2212 | 6658  | 2219    |
| 8      | PC-2016 | 2315 | 2565 | 2621 | 7501  | 2500    |
| 9      | PC-2017 | 3366 | 3456 | 3538 | 10360 | 3453    |
| 10     | PC-2018 | 2526 | 2475 | 2582 | 7583  | 2528    |
| 11     | PC-2019 | 1291 | 1520 | 1595 | 4406  | 1469    |
| 12     | PC-2020 | 3247 | 2927 | 2896 | 9070  | 3023    |
| 13     | PC-2021 | 2109 | 2204 | 2191 | 6504  | 2168    |

|    |         |      |      |      |       |      |
|----|---------|------|------|------|-------|------|
| 14 | PC-2022 | 2195 | 2264 | 2432 | 6891  | 2297 |
| 15 | PC-2023 | 2974 | 2658 | 2817 | 8449  | 2816 |
| 16 | PC-2024 | 2457 | 2582 | 2717 | 7756  | 2585 |
| 17 | PC-2025 | 2245 | 2152 | 2431 | 6828  | 2276 |
| 18 | PC-2026 | 2785 | 1999 | 2197 | 6981  | 2327 |
| 19 | PC-2027 | 1291 | 1003 | 1038 | 3332  | 1111 |
| 20 | PC-2028 | 2793 | 3064 | 3023 | 8880  | 2960 |
| 21 | PC-2029 | 3367 | 3526 | 3013 | 9906  | 3302 |
| 22 | PC-2030 | 1847 | 1852 | 1995 | 5694  | 1898 |
| 23 | PC-2031 | 2352 | 2544 | 2610 | 7506  | 2502 |
| 24 | PC-2032 | 3314 | 3443 | 3658 | 10415 | 3472 |
| 25 | PC-2033 | 2263 | 2337 | 2374 | 6974  | 2325 |
| 26 | PC-2034 | 3223 | 3268 | 3149 | 9640  | 3213 |

Table 2.4 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRS Faisalabad

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2009 | 1009 | 1448 | 1612 | 4069  | 1356    |
| 2      | PC-2010 | 942  | 1261 | 980  | 3183  | 1061    |
| 3      | PC-2011 | 1359 | 848  | 627  | 2834  | 945     |
| 4      | PC-2012 | 1270 | 1674 | 1076 | 4020  | 1340    |
| 5      | PC-2013 | 1214 | 1668 | 1273 | 4155  | 1385    |
| 6      | PC-2014 | 1044 | 1200 | 1383 | 3627  | 1209    |
| 7      | PC-2015 | 479  | 501  | 861  | 1841  | 614     |
| 8      | PC-2016 | 2419 | 1862 | 2040 | 6321  | 2107    |
| 9      | PC-2017 | 1668 | 1171 | 1281 | 4120  | 1373    |
| 10     | PC-2018 | 1679 | 1362 | 1507 | 4548  | 1516    |
| 11     | PC-2019 | 683  | 912  | 915  | 2511  | 837     |
| 12     | PC-2020 | 1152 | 1238 | 1176 | 3565  | 1188    |
| 13     | PC-2021 | 1695 | 1241 | 1337 | 4273  | 1424    |
| 14     | PC-2022 | 1332 | 1808 | 1130 | 4270  | 1423    |
| 15     | PC-2023 | 1329 | 1146 | 1173 | 3649  | 1216    |
| 16     | PC-2024 | 1741 | 1823 | 1546 | 5110  | 1703    |
| 17     | PC-2025 | 1611 | 1453 | 1239 | 4303  | 1434    |
| 18     | PC-2026 | 603  | 829  | 759  | 2190  | 730     |
| 19     | PC-2027 | 1445 | 2034 | 1867 | 5347  | 1782    |
| 20     | PC-2028 | 1897 | 1798 | 1415 | 5110  | 1703    |
| 21     | PC-2029 | 861  | 1362 | 1615 | 3837  | 1279    |
| 22     | PC-2030 | 1687 | 1736 | 1857 | 5280  | 1760    |
| 23     | PC-2031 | 1146 | 848  | 899  | 2893  | 964     |
| 24     | PC-2032 | 1362 | 1292 | 1017 | 3670  | 1223    |
| 25     | PC-2033 | 501  | 616  | 417  | 1534  | 511     |
| 26     | PC-2034 | 1246 | 1364 | 1964 | 4575  | 1525    |

Table 2.5 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRS Vehari

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2009 | 2265 | 2739 | 1926 | 6930  | 2310    |
| 2      | PC-2010 | 2329 | 2258 | 2565 | 7152  | 2384    |
| 3      | PC-2011 | 2123 | 1871 | 2234 | 6228  | 2076    |
| 4      | PC-2012 | 1871 | 1744 | 2068 | 5683  | 1894    |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 5  | PC-2013 | 1255 | 1152 | 1129 | 3536 | 1179 |
| 6  | PC-2014 | 2518 | 2360 | 2613 | 7491 | 2497 |
| 7  | PC-2015 | 1879 | 1673 | 1531 | 5083 | 1694 |
| 8  | PC-2016 | 2463 | 2123 | 2636 | 7222 | 2407 |
| 9  | PC-2017 | 2329 | 2202 | 2234 | 6765 | 2255 |
| 10 | PC-2018 | 1279 | 1160 | 1216 | 3655 | 1218 |
| 11 | PC-2019 | 1626 | 1492 | 1231 | 4349 | 1450 |
| 12 | PC-2020 | 1863 | 1800 | 1571 | 5234 | 1745 |
| 13 | PC-2021 | 1310 | 1602 | 1413 | 4325 | 1442 |
| 14 | PC-2022 | 1523 | 1879 | 1587 | 4989 | 1663 |
| 15 | PC-2023 | 1413 | 1389 | 1216 | 4018 | 1339 |
| 16 | PC-2024 | 1792 | 1902 | 1563 | 5257 | 1752 |
| 17 | PC-2025 | 1642 | 1871 | 1539 | 5052 | 1684 |
| 18 | PC-2026 | 1168 | 1547 | 1318 | 4033 | 1344 |
| 19 | PC-2027 | 1784 | 1800 | 1555 | 5139 | 1713 |
| 20 | PC-2028 | 1768 | 1492 | 1318 | 4578 | 1526 |
| 21 | PC-2029 | 1910 | 2044 | 1713 | 5667 | 1889 |
| 22 | PC-2030 | 2076 | 1965 | 1744 | 5785 | 1928 |
| 23 | PC-2031 | 624  | 758  | 521  | 1903 | 634  |
| 24 | PC-2032 | 1958 | 1902 | 1705 | 5565 | 1855 |
| 25 | PC-2033 | 1887 | 1697 | 1587 | 5171 | 1724 |
| 26 | PC-2034 | 1965 | 1808 | 1602 | 5375 | 1792 |

Table 2.6 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRS D.I. Khan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2009 | 2005 | 1826 | 1933 | 5764  | 1921    |
| 2      | PC-2010 | 1504 | 1539 | 1539 | 4582  | 1527    |
| 3      | PC-2011 | 2542 | 2255 | 1897 | 6694  | 2231    |
| 4      | PC-2012 | 1969 | 1683 | 1611 | 5263  | 1754    |
| 5      | PC-2013 | 1504 | 1468 | 1897 | 4869  | 1623    |
| 6      | PC-2014 | 1181 | 537  | 967  | 2685  | 895     |
| 7      | PC-2015 | 967  | 573  | 931  | 2471  | 824     |
| 8      | PC-2016 | 1683 | 1862 | 1862 | 5407  | 1802    |
| 9      | PC-2017 | 1504 | 1253 | 1504 | 4261  | 1420    |
| 10     | PC-2018 | 1683 | 2076 | 1611 | 5370  | 1790    |
| 11     | PC-2019 | 1468 | 1304 | 1095 | 3867  | 1289    |
| 12     | PC-2020 | 1862 | 1718 | 1110 | 4690  | 1563    |
| 13     | PC-2021 | 2327 | 1611 | 1754 | 5692  | 1897    |
| 14     | PC-2022 | 823  | 1969 | 1110 | 3902  | 1301    |
| 15     | PC-2023 | 1146 | 1539 | 1718 | 4403  | 1468    |
| 16     | PC-2024 | 1253 | 1611 | 2184 | 5048  | 1683    |
| 17     | PC-2025 | 788  | 1360 | 1360 | 3508  | 1169    |
| 18     | PC-2026 | 859  | 1575 | 895  | 3329  | 1110    |
| 19     | PC-2027 | 788  | 1289 | 1002 | 3079  | 1026    |
| 20     | PC-2028 | 1253 | 967  | 1217 | 3437  | 1146    |
| 21     | PC-2029 | 1146 | 1396 | 1468 | 4010  | 1337    |
| 22     | PC-2030 | 1920 | 1668 | 1604 | 5192  | 1731    |
| 23     | PC-2031 | 1146 | 1504 | 1002 | 3652  | 1217    |
| 24     | PC-2032 | 1181 | 1504 | 1253 | 3938  | 1313    |
| 25     | PC-2033 | 1253 | 931  | 967  | 3151  | 1050    |



|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 26 | PC-2034 | 1718 | 1360 | 1611 | 4689 | 1563 |
|----|---------|------|------|------|------|------|

Table 2.7 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRS Bahawalpur

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2009 | 718  | 861  | 646  | 2224  | 741     |
| 2      | PC-2010 | 531  | 631  | 703  | 1866  | 622     |
| 3      | PC-2011 | 789  | 933  | 646  | 2368  | 789     |
| 4      | PC-2012 | 682  | 789  | 933  | 2404  | 801     |
| 5      | PC-2013 | 502  | 646  | 574  | 1722  | 574     |
| 6      | PC-2014 | 431  | 466  | 287  | 1184  | 395     |
| 7      | PC-2015 | 172  | 187  | 144  | 502   | 167     |
| 8      | PC-2016 | 897  | 861  | 861  | 2619  | 873     |
| 9      | PC-2017 | 1005 | 718  | 502  | 2224  | 741     |
| 10     | PC-2018 | 574  | 718  | 789  | 2081  | 694     |
| 11     | PC-2019 | 344  | 337  | 359  | 1040  | 347     |
| 12     | PC-2020 | 502  | 789  | 574  | 1866  | 622     |
| 13     | PC-2021 | 574  | 933  | 718  | 2224  | 741     |
| 14     | PC-2022 | 861  | 574  | 718  | 2153  | 718     |
| 15     | PC-2023 | 574  | 574  | 610  | 1758  | 586     |
| 16     | PC-2024 | 1005 | 861  | 718  | 2583  | 861     |
| 17     | PC-2025 | 718  | 502  | 861  | 2081  | 694     |
| 18     | PC-2026 | 287  | 144  | 466  | 897   | 299     |
| 19     | PC-2027 | 861  | 789  | 789  | 2440  | 813     |
| 20     | PC-2028 | 431  | 646  | 646  | 1722  | 574     |
| 21     | PC-2029 | 646  | 646  | 789  | 2081  | 694     |
| 22     | PC-2030 | 574  | 718  | 933  | 2224  | 741     |
| 23     | PC-2031 | 316  | 348  | 341  | 1005  | 335     |
| 24     | PC-2032 | 574  | 431  | 431  | 1435  | 478     |
| 25     | PC-2033 | 359  | 323  | 215  | 897   | 299     |
| 26     | PC-2034 | 933  | 1005 | 1040 | 2978  | 993     |

Table 2.8 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRI Multan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2009 | 1795 | 1436 | 1795 | 5026  | 1675    |
| 2      | PC-2010 | 1795 | 1795 | 1795 | 5385  | 1795    |
| 3      | PC-2011 | 1795 | 1795 | 1436 | 5026  | 1675    |
| 4      | PC-2012 | 2513 | 2513 | 2872 | 7898  | 2633    |
| 5      | PC-2013 | 1795 | 1795 | 2154 | 5744  | 1915    |
| 6      | PC-2014 | 2154 | 2154 | 1795 | 6103  | 2034    |
| 7      | PC-2015 | 1795 | 1795 | 2154 | 5744  | 1915    |
| 8      | PC-2016 | 2154 | 2154 | 2154 | 6462  | 2154    |
| 9      | PC-2017 | 2154 | 1795 | 2154 | 6103  | 2034    |
| 10     | PC-2018 | 1795 | 2154 | 2154 | 6103  | 2034    |
| 11     | PC-2019 | 2154 | 2154 | 2513 | 6821  | 2274    |
| 12     | PC-2020 | 2513 | 2154 | 2154 | 6821  | 2274    |
| 13     | PC-2021 | 2154 | 2154 | 2154 | 6462  | 2154    |
| 14     | PC-2022 | 2513 | 2154 | 2513 | 7180  | 2393    |
| 15     | PC-2023 | 2154 | 1795 | 2154 | 6103  | 2034    |
| 16     | PC-2024 | 1795 | 1795 | 1436 | 5026  | 1675    |
| 17     | PC-2025 | 2872 | 2872 | 2513 | 8257  | 2752    |
| 18     | PC-2026 | 1795 | 2154 | 2154 | 6103  | 2034    |
| 19     | PC-2027 | 1795 | 2154 | 1795 | 5744  | 1915    |
| 20     | PC-2028 | 1795 | 1436 | 1436 | 4667  | 1556    |
| 21     | PC-2029 | 1436 | 1436 | 1795 | 4667  | 1556    |
| 22     | PC-2030 | 2872 | 3231 | 2154 | 8257  | 2752    |

|           |         |      |      |      |      |      |
|-----------|---------|------|------|------|------|------|
| <b>23</b> | PC-2031 | 1436 | 1795 | 2154 | 5385 | 1795 |
| <b>24</b> | PC-2032 | 1795 | 2154 | 2154 | 6103 | 2034 |
| <b>25</b> | PC-2033 | 2154 | 1795 | 2154 | 6103 | 2034 |
| <b>26</b> | PC-2034 | 1436 | 1795 | 1436 | 4667 | 1556 |

Table 2.9 Seed Cotton Yield data of NCVT2020-21 Set B conducted at Naal Khuzdar

| <b>Sr.No.</b> | <b>Codes</b> | <b>R-1</b> | <b>R-2</b> | <b>R-3</b> | <b>Total</b> | <b>Average</b> |
|---------------|--------------|------------|------------|------------|--------------|----------------|
| <b>1</b>      | PC-2009      | 2154       | 1795       | 2513       | 6462         | 2154           |
| <b>2</b>      | PC-2010      | 2154       | 2872       | 2154       | 7180         | 2393           |
| <b>3</b>      | PC-2011      | 2154       | 2154       | 2154       | 6462         | 2154           |
| <b>4</b>      | PC-2012      | 2513       | 2872       | 2872       | 8257         | 2752           |
| <b>5</b>      | PC-2013      | 2154       | 1795       | 2513       | 6462         | 2154           |
| <b>6</b>      | PC-2014      | 2154       | 2513       | 2154       | 6821         | 2274           |
| <b>7</b>      | PC-2015      | 2154       | 2872       | 2513       | 7539         | 2513           |
| <b>8</b>      | PC-2016      | 2154       | 2513       | 2513       | 7180         | 2393           |
| <b>9</b>      | PC-2017      | 1795       | 1436       | 2154       | 5385         | 1795           |
| <b>10</b>     | PC-2018      | 1795       | 2154       | 2513       | 6462         | 2154           |
| <b>11</b>     | PC-2019      | 2154       | 1795       | 2872       | 6821         | 2274           |
| <b>12</b>     | PC-2020      | 3231       | 2513       | 1795       | 7539         | 2513           |
| <b>13</b>     | PC-2021      | 2154       | 2513       | 1795       | 6462         | 2154           |
| <b>14</b>     | PC-2022      | 2154       | 2513       | 2154       | 6821         | 2274           |
| <b>15</b>     | PC-2023      | 2154       | 2513       | 2154       | 6821         | 2274           |
| <b>16</b>     | PC-2024      | 2154       | 2154       | 2154       | 6462         | 2154           |
| <b>17</b>     | PC-2025      | 2513       | 2154       | 2872       | 7539         | 2513           |
| <b>18</b>     | PC-2026      | 2154       | 2154       | 2513       | 6821         | 2274           |
| <b>19</b>     | PC-2027      | 2154       | 2513       | 2872       | 7539         | 2513           |
| <b>20</b>     | PC-2028      | 2154       | 1795       | 2154       | 6103         | 2034           |
| <b>21</b>     | PC-2029      | 2154       | 2513       | 2872       | 7539         | 2513           |
| <b>22</b>     | PC-2030      | 2154       | 2154       | 1795       | 6103         | 2034           |
| <b>23</b>     | PC-2031      | 2154       | 1795       | 2872       | 6821         | 2274           |
| <b>24</b>     | PC-2032      | 1436       | 1795       | 2513       | 5744         | 1915           |
| <b>25</b>     | PC-2033      | 1795       | 2154       | 1795       | 5744         | 1915           |
| <b>26</b>     | PC-2034      | 1436       | 2154       | 2513       | 6103         | 2034           |

Table 2.10 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRS Lasbela

| <b>Sr.No.</b> | <b>Code</b>    | <b>R1</b> | <b>R2</b> | <b>R3</b> | <b>Total</b> | <b>Average</b> |
|---------------|----------------|-----------|-----------|-----------|--------------|----------------|
| <b>1</b>      | <b>PC-2009</b> | 888       | 646       | 969       | 2503         | 834            |
| <b>2</b>      | <b>PC-2010</b> | 1184      | 942       | 1103      | 3229         | 1076           |
| <b>3</b>      | <b>PC-2011</b> | 1238      | 646       | 1076      | 2960         | 987            |
| <b>4</b>      | <b>PC-2012</b> | 727       | 565       | 727       | 2018         | 673            |
| <b>5</b>      | <b>PC-2013</b> | 1561      | 861       | 1292      | 3713         | 1238           |
| <b>6</b>      | <b>PC-2014</b> | 646       | 511       | 700       | 1857         | 619            |
| <b>7</b>      | <b>PC-2015</b> | 700       | 457       | 350       | 1507         | 502            |
| <b>8</b>      | <b>PC-2016</b> | 1615      | 834       | 861       | 3310         | 1103           |
| <b>9</b>      | <b>PC-2017</b> | 1130      | 888       | 592       | 2610         | 870            |
| <b>10</b>     | <b>PC-2018</b> | 1319      | 1103      | 915       | 3337         | 1112           |
| <b>11</b>     | <b>PC-2019</b> | 753       | 646       | 511       | 1911         | 637            |
| <b>12</b>     | <b>PC-2020</b> | 1184      | 646       | 673       | 2503         | 834            |

|    |         |      |     |      |      |      |
|----|---------|------|-----|------|------|------|
| 13 | PC-2021 | 1265 | 619 | 673  | 2556 | 852  |
| 14 | PC-2022 | 619  | 727 | 700  | 2045 | 682  |
| 15 | PC-2023 | 1076 | 834 | 511  | 2422 | 807  |
| 16 | PC-2024 | 1615 | 942 | 888  | 3444 | 1148 |
| 17 | PC-2025 | 915  | 619 | 996  | 2529 | 843  |
| 18 | PC-2026 | 1184 | 888 | 1130 | 3202 | 1067 |
| 19 | PC-2027 | 1157 | 807 | 753  | 2718 | 906  |
| 20 | PC-2028 | 1238 | 915 | 996  | 3148 | 1049 |
| 21 | PC-2029 | 996  | 619 | 942  | 2556 | 852  |
| 22 | PC-2030 | 996  | 780 | 915  | 2691 | 897  |
| 23 | PC-2031 | 807  | 457 | 404  | 1668 | 556  |
| 24 | PC-2032 | 727  | 861 | 700  | 2287 | 762  |
| 25 | PC-2033 | 700  | 700 | 592  | 1991 | 664  |
| 26 | PC-2034 | 969  | 996 | 861  | 2825 | 942  |

Table 2.11 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRI Tandojam

| Sr.No. | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2009 | 1178 | 933  | 1170 | 3281  | 1094    |
| 2      | PC-2010 | 1289 | 1414 | 1738 | 4441  | 1480    |
| 3      | PC-2011 | 1795 | 2003 | 1827 | 5626  | 1875    |
| 4      | PC-2012 | 1572 | 1289 | 1131 | 3992  | 1331    |
| 5      | PC-2013 | 1967 | 1641 | 1705 | 5313  | 1771    |
| 6      | PC-2014 | 1257 | 1303 | 1569 | 4129  | 1376    |
| 7      | PC-2015 | 388  | 258  | 258  | 905   | 302     |
| 8      | PC-2016 | 2097 | 1763 | 1971 | 5830  | 1943    |
| 9      | PC-2017 | 1716 | 1475 | 1885 | 5076  | 1692    |
| 10     | PC-2018 | 1806 | 1766 | 1712 | 5284  | 1761    |
| 11     | PC-2019 | 754  | 262  | 650  | 1666  | 555     |
| 12     | PC-2020 | 1827 | 1605 | 1533 | 4965  | 1655    |
| 13     | PC-2021 | 1813 | 1770 | 1784 | 5367  | 1789    |
| 14     | PC-2022 | 337  | 330  | 424  | 1091  | 364     |
| 15     | PC-2023 | 1651 | 1580 | 1397 | 4628  | 1543    |
| 16     | PC-2024 | 1160 | 933  | 1163 | 3256  | 1085    |
| 17     | PC-2025 | 1475 | 1662 | 1831 | 4969  | 1656    |
| 18     | PC-2026 | 1353 | 1874 | 1310 | 4538  | 1513    |
| 19     | PC-2027 | 1684 | 2043 | 2280 | 6006  | 2002    |
| 20     | PC-2028 | 880  | 872  | 722  | 2474  | 825     |
| 21     | PC-2029 | 1493 | 1371 | 1353 | 4218  | 1406    |
| 22     | PC-2030 | 1989 | 1734 | 2269 | 5992  | 1997    |
| 23     | PC-2031 | 775  | 865  | 890  | 2531  | 844     |
| 24     | PC-2032 | 1181 | 1651 | 1282 | 4114  | 1371    |
| 25     | PC-2033 | 858  | 679  | 1016 | 2552  | 851     |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 26 | PC-2034 | 1461 | 1375 | 1397 | 4233 | 1411 |
|----|---------|------|------|------|------|------|

Table 2.12 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRI Sakrand

| Sr.No. | Code    | R1  | R2  | R3  | Total | Average |
|--------|---------|-----|-----|-----|-------|---------|
| 1      | PC-2009 | 568 | 660 | 601 | 1829  | 610     |
| 2      | PC-2010 | 725 | 720 | 698 | 2143  | 714     |
| 3      | PC-2011 | 485 | 475 | 495 | 1455  | 485     |
| 4      | PC-2012 | 455 | 478 | 462 | 1395  | 465     |
| 5      | PC-2013 | 570 | 573 | 532 | 1675  | 558     |
| 6      | PC-2014 | 533 | 555 | 529 | 1617  | 539     |
| 7      | PC-2015 | 225 | 213 | 208 | 646   | 215     |
| 8      | PC-2016 | 711 | 695 | 709 | 2115  | 705     |
| 9      | PC-2017 | 556 | 542 | 538 | 1636  | 545     |
| 10     | PC-2018 | 528 | 520 | 539 | 1587  | 529     |
| 11     | PC-2019 | 353 | 313 | 326 | 992   | 331     |
| 12     | PC-2020 | 526 | 501 | 510 | 1537  | 512     |
| 13     | PC-2021 | 682 | 715 | 699 | 2096  | 699     |
| 14     | PC-2022 | 589 | 550 | 534 | 1673  | 558     |
| 15     | PC-2023 | 405 | 407 | 412 | 1224  | 408     |
| 16     | PC-2024 | 583 | 561 | 590 | 1734  | 578     |
| 17     | PC-2025 | 501 | 507 | 518 | 1526  | 509     |
| 18     | PC-2026 | 389 | 403 | 412 | 1204  | 401     |
| 19     | PC-2027 | 511 | 501 | 506 | 1518  | 506     |
| 20     | PC-2028 | 629 | 601 | 636 | 1866  | 622     |
| 21     | PC-2029 | 594 | 583 | 596 | 1773  | 591     |
| 22     | PC-2030 | 717 | 690 | 696 | 2103  | 701     |
| 23     | PC-2031 | 243 | 264 | 255 | 762   | 254     |
| 24     | PC-2032 | 454 | 430 | 425 | 1309  | 436     |
| 25     | PC-2033 | 502 | 504 | 515 | 1521  | 507     |
| 26     | PC-2034 | 630 | 628 | 644 | 1902  | 634     |

Table 2.13 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRS Ghotki

| Sr.No. | Code    | R1  | R2  | R3  | Total | Average |
|--------|---------|-----|-----|-----|-------|---------|
| 1      | PC-2009 | 832 | 800 | 793 | 2425  | 808     |
| 2      | PC-2010 | 556 | 757 | 671 | 1984  | 661     |
| 3      | PC-2011 | 915 | 911 | 929 | 2755  | 918     |
| 4      | PC-2012 | 753 | 574 | 682 | 2009  | 670     |
| 5      | PC-2013 | 753 | 707 | 793 | 2253  | 751     |
| 6      | PC-2014 | 556 | 675 | 951 | 2181  | 727     |
| 7      | PC-2015 | 563 | 664 | 556 | 1783  | 594     |
| 8      | PC-2016 | 832 | 897 | 908 | 2637  | 879     |
| 9      | PC-2017 | 915 | 922 | 872 | 2709  | 903     |
| 10     | PC-2018 | 474 | 563 | 714 | 1751  | 584     |

|    |         |     |     |     |      |     |
|----|---------|-----|-----|-----|------|-----|
| 11 | PC-2019 | 678 | 832 | 710 | 2221 | 740 |
| 12 | PC-2020 | 840 | 793 | 757 | 2389 | 796 |
| 13 | PC-2021 | 904 | 922 | 793 | 2619 | 873 |
| 14 | PC-2022 | 771 | 710 | 818 | 2300 | 767 |
| 15 | PC-2023 | 700 | 832 | 761 | 2293 | 764 |
| 16 | PC-2024 | 757 | 796 | 796 | 2350 | 783 |
| 17 | PC-2025 | 710 | 631 | 610 | 1952 | 651 |
| 18 | PC-2026 | 832 | 761 | 879 | 2472 | 824 |
| 19 | PC-2027 | 875 | 703 | 793 | 2372 | 791 |
| 20 | PC-2028 | 832 | 664 | 832 | 2328 | 776 |
| 21 | PC-2029 | 761 | 718 | 703 | 2181 | 727 |
| 22 | PC-2030 | 843 | 840 | 918 | 2601 | 867 |
| 23 | PC-2031 | 761 | 682 | 911 | 2354 | 785 |
| 24 | PC-2032 | 840 | 908 | 872 | 2619 | 873 |
| 25 | PC-2033 | 915 | 904 | 987 | 2806 | 935 |
| 26 | PC-2034 | 793 | 929 | 922 | 2644 | 881 |

Table 2.14 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRS Mirpurkhas

| Sr.No. | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2009 | 2516 | 2876 | 2651 | 8043  | 2681    |
| 2      | PC-2010 | 2127 | 2019 | 1873 | 6019  | 2006    |
| 3      | PC-2011 | 2871 | 1982 | 2126 | 6979  | 2326    |
| 4      | PC-2012 | 3132 | 3187 | 3071 | 9390  | 3130    |
| 5      | PC-2013 | 2871 | 2234 | 1983 | 7088  | 2363    |
| 6      | PC-2014 | 2290 | 1980 | 1983 | 6253  | 2084    |
| 7      | PC-2015 | 3081 | 3171 | 2471 | 8723  | 2908    |
| 8      | PC-2016 | 2900 | 2213 | 2651 | 7764  | 2588    |
| 9      | PC-2017 | 2716 | 2432 | 2134 | 7282  | 2427    |
| 10     | PC-2018 | 2234 | 2311 | 2090 | 6635  | 2212    |
| 11     | PC-2019 | 1982 | 2191 | 2219 | 6392  | 2131    |
| 12     | PC-2020 | 2381 | 2303 | 2045 | 6729  | 2243    |
| 13     | PC-2021 | 2230 | 2571 | 2234 | 7035  | 2345    |
| 14     | PC-2022 | 2892 | 2228 | 2763 | 7883  | 2628    |
| 15     | PC-2023 | 2751 | 2166 | 2232 | 7149  | 2383    |
| 16     | PC-2024 | 2271 | 2519 | 2765 | 7555  | 2518    |
| 17     | PC-2025 | 2612 | 2212 | 2543 | 7367  | 2456    |
| 18     | PC-2026 | 2346 | 2763 | 2912 | 8021  | 2674    |
| 19     | PC-2027 | 2155 | 2354 | 2540 | 7049  | 2350    |
| 20     | PC-2028 | 2290 | 2651 | 2323 | 7264  | 2421    |
| 21     | PC-2029 | 2510 | 2432 | 2187 | 7129  | 2376    |
| 22     | PC-2030 | 2865 | 2543 | 2554 | 7962  | 2654    |
| 23     | PC-2031 | 2651 | 2871 | 2234 | 7756  | 2585    |

|           |                |      |      |      |      |      |
|-----------|----------------|------|------|------|------|------|
| <b>24</b> | <b>PC-2032</b> | 2651 | 2341 | 2098 | 7090 | 2363 |
| <b>25</b> | <b>PC-2033</b> | 2523 | 2413 | 2541 | 7477 | 2492 |
| <b>26</b> | <b>PC-2034</b> | 2312 | 2518 | 2770 | 7600 | 2533 |

Table 2.15 Seed Cotton Yield data of NCVT2020-21 Set B conducted at CRS Sibbi

| <b>Sr.No.</b> | <b>Codes</b> | <b>R-1</b> | <b>R-2</b> | <b>R-3</b> | <b>Total</b> | <b>Average</b> |
|---------------|--------------|------------|------------|------------|--------------|----------------|
| 1             | PC-2035      | 1612       | 1428       | 1596       | 4636         | 1545           |
| 2             | PC-2036      | 944        | 1067       | 904        | 2915         | 972            |
| 3             | PC-2037      | 1231       | 1134       | 1176       | 3541         | 1180           |
| 4             | PC-2038      | 1486       | 1148       | 1215       | 3849         | 1283           |
| 5             | PC-2039      | 986        | 810        | 972        | 2768         | 923            |
| 6             | PC-2040      | 1986       | 2018       | 1810       | 5814         | 1938           |
| 7             | PC-2041      | 848        | 986        | 756        | 2590         | 863            |
| 8             | PC-2042      | 680        | 886        | 972        | 2538         | 846            |
| 9             | PC-2043      | 1480       | 1486       | 1586       | 4552         | 1517           |
| 10            | PC-2044      | 1004       | 1004       | 891        | 2899         | 966            |
| 11            | PC-2045      | 1966       | 1884       | 1812       | 5662         | 1887           |
| 12            | PC-2046      | 1004       | 1134       | 1053       | 3191         | 1064           |
| 13            | PC-2047      | 1279       | 1413       | 1215       | 3907         | 1302           |
| 14            | PC-2048      | 1079       | 1069       | 1134       | 3282         | 1094           |
| 15            | PC-2049      | 1086       | 972        | 1186       | 3244         | 1081           |
| 16            | PC-2050      | 1048       | 810        | 972        | 2830         | 943            |
| 17            | PC-2051      | 953        | 986        | 848        | 2787         | 929            |
| 18            | PC-2052      | 1372       | 1210       | 1572       | 4154         | 1385           |
| 19            | PC-2053      | 1083       | 948        | 810        | 2841         | 947            |
| 20            | PC-2054      | 980        | 810        | 858        | 2648         | 883            |
| 21            | PC-2055      | 978        | 1134       | 1091       | 3203         | 1068           |
| 22            | PC-2056      | 1360       | 1458       | 1296       | 4114         | 1371           |
| 23            | PC-2057      | 842        | 972        | 891        | 2705         | 902            |
| 24            | PC-2058      | 953        | 1076       | 1067       | 3096         | 1032           |
| 25            | PC-2059      | 980        | 810        | 972        | 2762         | 921            |
| 26            | PC-2060      | 1858       | 1596       | 1858       | 5312         | 1771           |
|               | PC-2061      | 972        | 1086       | 972        | 3030         | 1010           |

Table 3.1 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRS Sahiwal

| <b>Sr.No.</b> | <b>Codes</b> | <b>R-1</b> | <b>R-2</b> | <b>R-3</b> | <b>Total</b> | <b>Average</b> |
|---------------|--------------|------------|------------|------------|--------------|----------------|
| 1             | PC-2035      | 611        | 741        | 631        | 1983         | 661            |
| 2             | PC-2036      | 752        | 897        | 802        | 2451         | 817            |
| 3             | PC-2037      | 820        | 950        | 840        | 2610         | 870            |
| 4             | PC-2038      | 1344       | 1484       | 1384       | 4212         | 1404           |
| 5             | PC-2039      | 1304       | 1454       | 1364       | 4122         | 1374           |
| 6             | PC-2040      | 654        | 799        | 704        | 2157         | 719            |
| 7             | PC-2041      | 1286       | 1416       | 1306       | 4008         | 1336           |
| 8             | PC-2042      | 517        | 657        | 557        | 1731         | 577            |
| 9             | PC-2043      | 601        | 731        | 621        | 1953         | 651            |
| 10            | PC-2044      | 222        | 362        | 262        | 846          | 282            |
| 11            | PC-2045      | 812        | 952        | 852        | 2616         | 872            |
| 12            | PC-2046      | 803        | 943        | 843        | 2589         | 863            |
| 13            | PC-2047      | 1383       | 1513       | 1403       | 4299         | 1433           |
| 14            | PC-2048      | 1102       | 1221       | 1100       | 3423         | 1141           |
| 15            | PC-2049      | 1313       | 1433       | 1313       | 4059         | 1353           |
| 16            | PC-2050      | 495        | 585        | 435        | 1515         | 505            |
| 17            | PC-2051      | 552        | 532        | 662        | 1746         | 582            |
| 18            | PC-2052      | 1455       | 1361       | 1447       | 4263         | 1421           |
| 19            | PC-2053      | 700        | 708        | 824        | 2232         | 744            |
| 20            | PC-2054      | 626        | 626        | 746        | 1998         | 666            |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 21 | PC-2055 | 476  | 436  | 576  | 1488 | 496  |
| 22 | PC-2056 | 1150 | 1108 | 1249 | 3507 | 1169 |
| 23 | PC-2057 | 1010 | 966  | 1108 | 3084 | 1028 |
| 24 | PC-2058 | 681  | 532  | 590  | 1803 | 601  |
| 25 | PC-2059 | 866  | 736  | 756  | 2358 | 786  |
| 26 | PC-2060 | 1096 | 950  | 1002 | 3048 | 1016 |
| 27 | PC-2061 | 939  | 799  | 839  | 2577 | 859  |

Table 3.2 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CCRI Multan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 1732 | 1371 | 2001 | 5104  | 1701    |
| 2      | PC-2036 | 2319 | 1194 | 2181 | 5694  | 1898    |
| 3      | PC-2037 | 2405 | 3116 | 2217 | 7737  | 2579    |
| 4      | PC-2038 | 3426 | 3163 | 3389 | 9979  | 3326    |
| 5      | PC-2039 | 1992 | 1644 | 1911 | 5546  | 1849    |
| 6      | PC-2040 | 2760 | 2943 | 2713 | 8416  | 2805    |
| 7      | PC-2041 | 1786 | 2366 | 2627 | 6778  | 2259    |
| 8      | PC-2042 | 2707 | 2845 | 2214 | 7766  | 2589    |
| 9      | PC-2043 | 2075 | 2980 | 2621 | 7675  | 2558    |
| 10     | PC-2044 | 1630 | 1371 | 1160 | 4161  | 1387    |
| 11     | PC-2045 | 2043 | 2150 | 2257 | 6450  | 2150    |
| 12     | PC-2046 | 1831 | 2298 | 2773 | 6902  | 2301    |
| 13     | PC-2047 | 1945 | 2876 | 2835 | 7656  | 2552    |
| 14     | PC-2048 | 2870 | 2033 | 2208 | 7111  | 2370    |
| 15     | PC-2049 | 1904 | 3081 | 2401 | 7386  | 2462    |
| 16     | PC-2050 | 2359 | 1785 | 2623 | 6767  | 2256    |
| 17     | PC-2051 | 2018 | 1957 | 1722 | 5697  | 1899    |
| 18     | PC-2052 | 2709 | 2025 | 3659 | 8393  | 2798    |
| 19     | PC-2053 | 1952 | 2132 | 3052 | 7135  | 2378    |
| 20     | PC-2054 | 2941 | 1549 | 2218 | 6708  | 2236    |
| 21     | PC-2055 | 3337 | 2090 | 2267 | 7694  | 2565    |
| 22     | PC-2056 | 2088 | 3158 | 2753 | 7999  | 2666    |
| 23     | PC-2057 | 2080 | 1909 | 1729 | 5717  | 1906    |
| 24     | PC-2058 | 3386 | 2536 | 2172 | 8094  | 2698    |
| 25     | PC-2059 | 2445 | 3206 | 2745 | 8396  | 2799    |
| 26     | PC-2060 | 2761 | 3275 | 2710 | 8746  | 2915    |
| 27     | PC-2061 | 2756 | 2216 | 2751 | 7723  | 2574    |

Table 3.3 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRI R.Y.Khan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 2583 | 2296 | 2583 | 7462  | 2487    |
| 2      | PC-2036 | 2440 | 1507 | 1866 | 5813  | 1938    |
| 3      | PC-2037 | 3947 | 2583 | 3086 | 9616  | 3205    |
| 4      | PC-2038 | 2799 | 2224 | 2153 | 7176  | 2392    |
| 5      | PC-2039 | 3229 | 3301 | 3731 | 10261 | 3420    |
| 6      | PC-2040 | 2442 | 2153 | 1505 | 6100  | 2033    |
| 7      | PC-2041 | 3301 | 3444 | 2440 | 9185  | 3062    |
| 8      | PC-2042 | 2942 | 2727 | 2153 | 7822  | 2607    |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 9  | PC-2043 | 3301 | 2870 | 3301 | 9472 | 3157 |
| 10 | PC-2044 | 1481 | 861  | 1031 | 3373 | 1124 |
| 11 | PC-2045 | 2470 | 2194 | 1794 | 6458 | 2153 |
| 12 | PC-2046 | 3301 | 1937 | 2942 | 8180 | 2727 |
| 13 | PC-2047 | 1866 | 1866 | 2081 | 5813 | 1938 |
| 14 | PC-2048 | 1507 | 2870 | 3157 | 7534 | 2511 |
| 15 | PC-2049 | 2296 | 2009 | 2081 | 6386 | 2129 |
| 16 | PC-2050 | 1866 | 2727 | 1794 | 6387 | 2129 |
| 17 | PC-2051 | 2512 | 1722 | 2009 | 6243 | 2081 |
| 18 | PC-2052 | 1920 | 2673 | 2009 | 6602 | 2201 |
| 19 | PC-2053 | 2942 | 1794 | 2081 | 6817 | 2272 |
| 20 | PC-2054 | 2255 | 1476 | 2081 | 5812 | 1937 |
| 21 | PC-2055 | 2296 | 1866 | 2583 | 6745 | 2248 |
| 22 | PC-2056 | 2153 | 2224 | 2081 | 6458 | 2153 |
| 23 | PC-2057 | 2296 | 1579 | 1937 | 5812 | 1937 |
| 24 | PC-2058 | 2153 | 2153 | 1937 | 6243 | 2081 |
| 25 | PC-2059 | 2007 | 2801 | 2440 | 7248 | 2416 |
| 26 | PC-2060 | 2637 | 2673 | 2870 | 8180 | 2727 |
| 27 | PC-2061 | 2427 | 1994 | 1966 | 6387 | 2129 |

Table 3.4 Seed Cotton Yield data of NCVT2020-21 Set C conducted at NIAB Faisalabad

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 398  | 611  | 495  | 1504  | 501     |
| 2      | PC-2036 | 595  | 700  | 538  | 1833  | 611     |
| 3      | PC-2037 | 912  | 1354 | 1076 | 3342  | 1114    |
| 4      | PC-2038 | 1846 | 1456 | 1434 | 4736  | 1579    |
| 5      | PC-2039 | 1362 | 1076 | 1372 | 3810  | 1270    |
| 6      | PC-2040 | 702  | 1051 | 793  | 2546  | 849     |
| 7      | PC-2041 | 1130 | 1165 | 1319 | 3614  | 1205    |
| 8      | PC-2042 | 1378 | 1561 | 1157 | 4096  | 1365    |
| 9      | PC-2043 | 1315 | 1496 | 903  | 3714  | 1238    |
| 10     | PC-2044 | 161  | 183  | 110  | 455   | 152     |
| 11     | PC-2045 | 605  | 963  | 1146 | 2715  | 905     |
| 12     | PC-2046 | 2642 | 2013 | 1757 | 6412  | 2137    |
| 13     | PC-2047 | 1502 | 2153 | 1679 | 5333  | 1778    |
| 14     | PC-2048 | 1798 | 1668 | 1615 | 5080  | 1693    |
| 15     | PC-2049 | 1214 | 2153 | 1206 | 4572  | 1524    |
| 16     | PC-2050 | 1978 | 1738 | 1728 | 5444  | 1815    |
| 17     | PC-2051 | 829  | 869  | 1017 | 2715  | 905     |
| 18     | PC-2052 | 2260 | 1615 | 1679 | 5554  | 1851    |
| 19     | PC-2053 | 1208 | 1440 | 1254 | 3902  | 1301    |
| 20     | PC-2054 | 1792 | 2018 | 1410 | 5220  | 1740    |
| 21     | PC-2055 | 1292 | 1049 | 1076 | 3417  | 1139    |
| 22     | PC-2056 | 1555 | 1749 | 931  | 4236  | 1412    |
| 23     | PC-2057 | 1534 | 1286 | 926  | 3746  | 1249    |
| 24     | PC-2058 | 646  | 616  | 651  | 1913  | 638     |
| 25     | PC-2059 | 1615 | 1399 | 1345 | 4359  | 1453    |
| 26     | PC-2060 | 1480 | 1787 | 1744 | 5010  | 1670    |
| 27     | PC-2061 | 1426 | 1372 | 1076 | 3875  | 1292    |



Table 3.5 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRS Vehari

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 1877 | 1821 | 1904 | 5602  | 1867    |
| 2      | PC-2036 | 2046 | 2076 | 2112 | 6235  | 2078    |
| 3      | PC-2037 | 2123 | 2123 | 2089 | 6335  | 2112    |
| 4      | PC-2038 | 1678 | 1711 | 1635 | 5024  | 1675    |
| 5      | PC-2039 | 1921 | 1864 | 1888 | 5673  | 1891    |
| 6      | PC-2040 | 1973 | 1879 | 1912 | 5764  | 1921    |
| 7      | PC-2041 | 1898 | 1973 | 1911 | 5783  | 1928    |
| 8      | PC-2042 | 1846 | 1867 | 1979 | 5692  | 1897    |
| 9      | PC-2043 | 2212 | 2168 | 2132 | 6512  | 2171    |
| 10     | PC-2044 | 2190 | 2157 | 2166 | 6514  | 2171    |
| 11     | PC-2045 | 2123 | 2302 | 2235 | 6660  | 2220    |
| 12     | PC-2046 | 1966 | 1871 | 1923 | 5761  | 1920    |
| 13     | PC-2047 | 2569 | 2645 | 2678 | 7892  | 2631    |
| 14     | PC-2048 | 2012 | 1987 | 1966 | 5965  | 1988    |
| 15     | PC-2049 | 2114 | 2096 | 2154 | 6364  | 2121    |
| 16     | PC-2050 | 2417 | 2477 | 2337 | 7230  | 2410    |
| 17     | PC-2051 | 2379 | 2357 | 2404 | 7139  | 2380    |
| 18     | PC-2052 | 2588 | 2512 | 2401 | 7501  | 2500    |
| 19     | PC-2053 | 2145 | 1904 | 1973 | 6022  | 2007    |
| 20     | PC-2054 | 1923 | 2112 | 1867 | 5903  | 1968    |
| 21     | PC-2055 | 1898 | 1987 | 2168 | 6053  | 2018    |
| 22     | PC-2056 | 1987 | 1846 | 2096 | 5930  | 1977    |
| 23     | PC-2057 | 2212 | 1990 | 2222 | 6424  | 2141    |
| 24     | PC-2058 | 1898 | 2157 | 2043 | 6098  | 2033    |
| 25     | PC-2059 | 1987 | 2054 | 2151 | 6192  | 2064    |
| 26     | PC-2060 | 1898 | 2096 | 1904 | 5899  | 1966    |
| 27     | PC-2061 | 2086 | 2112 | 2112 | 6310  | 2103    |

Table 3.6 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRS D.I. Khan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 1002 | 931  | 788  | 2721  | 907     |
| 2      | PC-2036 | 1038 | 1110 | 680  | 2828  | 943     |
| 3      | PC-2037 | 1683 | 1969 | 1718 | 5370  | 1790    |
| 4      | PC-2038 | 1718 | 2578 | 1468 | 5764  | 1921    |
| 5      | PC-2039 | 1468 | 1611 | 1539 | 4618  | 1539    |
| 6      | PC-2040 | 1195 | 1011 | 1088 | 3294  | 1098    |
| 7      | PC-2041 | 1253 | 1253 | 1504 | 4010  | 1337    |
| 8      | PC-2042 | 1325 | 1311 | 1088 | 3724  | 1241    |
| 9      | PC-2043 | 1396 | 1575 | 1110 | 4081  | 1360    |
| 10     | PC-2044 | 322  | 537  | 394  | 1253  | 418     |
| 11     | PC-2045 | 1253 | 1647 | 1110 | 4010  | 1337    |
| 12     | PC-2046 | 1325 | 1862 | 1146 | 4333  | 1444    |
| 13     | PC-2047 | 1181 | 1181 | 1110 | 3472  | 1157    |
| 14     | PC-2048 | 1325 | 1325 | 931  | 3581  | 1194    |
| 15     | PC-2049 | 1453 | 1642 | 1846 | 4941  | 1647    |
| 16     | PC-2050 | 1746 | 2013 | 1611 | 5370  | 1790    |
| 17     | PC-2051 | 1295 | 1426 | 1002 | 3723  | 1241    |
| 18     | PC-2052 | 1110 | 1146 | 895  | 3151  | 1050    |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 19 | PC-2053 | 1468 | 1146 | 1468 | 4082 | 1361 |
| 20 | PC-2054 | 788  | 859  | 1110 | 2757 | 919  |
| 21 | PC-2055 | 823  | 1396 | 1253 | 3472 | 1157 |
| 22 | PC-2056 | 1295 | 1855 | 1539 | 4689 | 1563 |
| 23 | PC-2057 | 1468 | 1253 | 1468 | 4189 | 1396 |
| 24 | PC-2058 | 1862 | 1146 | 1611 | 4619 | 1540 |
| 25 | PC-2059 | 1969 | 1754 | 1683 | 5406 | 1802 |
| 26 | PC-2060 | 1611 | 2041 | 1217 | 4869 | 1623 |
| 27 | PC-2061 | 1253 | 895  | 1396 | 3544 | 1181 |

Table 3.7 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRS Bahawalpur

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 395  | 323  | 431  | 1148  | 383     |
| 2      | PC-2036 | 359  | 287  | 395  | 1040  | 347     |
| 3      | PC-2037 | 1005 | 897  | 1220 | 3121  | 1040    |
| 4      | PC-2038 | 1148 | 1148 | 1363 | 3660  | 1220    |
| 5      | PC-2039 | 718  | 789  | 1040 | 2547  | 849     |
| 6      | PC-2040 | 323  | 359  | 431  | 1112  | 371     |
| 7      | PC-2041 | 646  | 718  | 646  | 2009  | 670     |
| 8      | PC-2042 | 431  | 574  | 538  | 1543  | 514     |
| 9      | PC-2043 | 682  | 718  | 825  | 2224  | 741     |
| 10     | PC-2044 | 144  | 215  | 129  | 488   | 163     |
| 11     | PC-2045 | 431  | 502  | 323  | 1256  | 419     |
| 12     | PC-2046 | 789  | 861  | 753  | 2404  | 801     |
| 13     | PC-2047 | 1148 | 1076 | 969  | 3193  | 1064    |
| 14     | PC-2048 | 1005 | 789  | 933  | 2727  | 909     |
| 15     | PC-2049 | 1005 | 933  | 897  | 2834  | 945     |
| 16     | PC-2050 | 466  | 359  | 431  | 1256  | 419     |
| 17     | PC-2051 | 395  | 574  | 646  | 1615  | 538     |
| 18     | PC-2052 | 789  | 969  | 861  | 2619  | 873     |
| 19     | PC-2053 | 574  | 466  | 646  | 1686  | 562     |
| 20     | PC-2054 | 1446 | 1266 | 1446 | 4158  | 1386    |
| 21     | PC-2055 | 359  | 431  | 574  | 1363  | 454     |
| 22     | PC-2056 | 1112 | 646  | 897  | 2655  | 885     |
| 23     | PC-2057 | 395  | 395  | 538  | 1328  | 443     |
| 24     | PC-2058 | 502  | 251  | 287  | 1040  | 347     |
| 25     | PC-2059 | 718  | 718  | 1148 | 2583  | 861     |
| 26     | PC-2060 | 718  | 1292 | 1112 | 3121  | 1040    |
| 27     | PC-2061 | 395  | 646  | 825  | 1866  | 622     |

Table 3.8 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRI Multan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 1435 | 1794 | 1794 | 5023  | 1674    |
| 2      | PC-2036 | 1794 | 1435 | 1435 | 4664  | 1555    |
| 3      | PC-2037 | 1794 | 1435 | 1076 | 4305  | 1435    |
| 4      | PC-2038 | 1435 | 1076 | 1076 | 3588  | 1196    |
| 5      | PC-2039 | 1794 | 1435 | 1794 | 5023  | 1674    |
| 6      | PC-2040 | 1435 | 1794 | 1794 | 5023  | 1674    |
| 7      | PC-2041 | 1794 | 1435 | 1435 | 4664  | 1555    |
| 8      | PC-2042 | 1435 | 1794 | 1076 | 4305  | 1435    |
| 9      | PC-2043 | 1435 | 1794 | 1794 | 5023  | 1674    |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 10 | PC-2044 | 1435 | 1435 | 1435 | 4305 | 1435 |
| 11 | PC-2045 | 1794 | 2153 | 2153 | 6099 | 2033 |
| 12 | PC-2046 | 1794 | 2153 | 1794 | 5741 | 1914 |
| 13 | PC-2047 | 2512 | 2512 | 3229 | 8252 | 2751 |
| 14 | PC-2048 | 1794 | 2153 | 2153 | 6099 | 2033 |
| 15 | PC-2049 | 2153 | 2153 | 1435 | 5741 | 1914 |
| 16 | PC-2050 | 1794 | 1794 | 1435 | 5023 | 1674 |
| 17 | PC-2051 | 1794 | 1794 | 1435 | 5023 | 1674 |
| 18 | PC-2052 | 2153 | 2512 | 2512 | 7176 | 2392 |
| 19 | PC-2053 | 1435 | 2153 | 1794 | 5382 | 1794 |
| 20 | PC-2054 | 2153 | 2153 | 2512 | 6817 | 2272 |
| 21 | PC-2055 | 2870 | 2512 | 1794 | 7176 | 2392 |
| 22 | PC-2056 | 2153 | 2512 | 2870 | 7535 | 2512 |
| 23 | PC-2057 | 2153 | 2512 | 2870 | 7535 | 2512 |
| 24 | PC-2058 | 2512 | 2870 | 2153 | 7535 | 2512 |
| 25 | PC-2059 | 2153 | 1794 | 1794 | 5741 | 1914 |
| 26 | PC-2060 | 1794 | 1794 | 2153 | 5741 | 1914 |
| 27 | PC-2061 | 2153 | 1794 | 2512 | 6458 | 2153 |

Table 3.9 Seed Cotton Yield data of NCVT2020-21 Set C conducted at Naal Khuzdar

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 2870 | 2512 | 2153 | 7535  | 2512    |
| 2      | PC-2036 | 2153 | 2153 | 2870 | 7176  | 2392    |
| 3      | PC-2037 | 2512 | 2153 | 3229 | 7893  | 2631    |
| 4      | PC-2038 | 1794 | 1435 | 2153 | 5382  | 1794    |
| 5      | PC-2039 | 2153 | 2512 | 2870 | 7535  | 2512    |
| 6      | PC-2040 | 2153 | 2512 | 2870 | 7535  | 2512    |
| 7      | PC-2041 | 2153 | 2512 | 2870 | 7535  | 2512    |
| 8      | PC-2042 | 1794 | 2153 | 2512 | 6458  | 2153    |
| 9      | PC-2043 | 2153 | 2512 | 2870 | 7535  | 2512    |
| 10     | PC-2044 | 2153 | 2512 | 2870 | 7535  | 2512    |
| 11     | PC-2045 | 2153 | 2512 | 2870 | 7535  | 2512    |
| 12     | PC-2046 | 2153 | 2512 | 1794 | 6458  | 2153    |
| 13     | PC-2047 | 2512 | 2870 | 2870 | 8252  | 2751    |
| 14     | PC-2048 | 2153 | 2512 | 2870 | 7535  | 2512    |
| 15     | PC-2049 | 2153 | 2512 | 1794 | 6458  | 2153    |
| 16     | PC-2050 | 2153 | 2512 | 2153 | 6817  | 2272    |
| 17     | PC-2051 | 2153 | 2512 | 2153 | 6817  | 2272    |
| 18     | PC-2052 | 2512 | 3229 | 2870 | 8611  | 2870    |
| 19     | PC-2053 | 2153 | 2512 | 1794 | 6458  | 2153    |
| 20     | PC-2054 | 2153 | 2870 | 3588 | 8611  | 2870    |
| 21     | PC-2055 | 3229 | 2512 | 1794 | 7535  | 2512    |
| 22     | PC-2056 | 2512 | 2870 | 3229 | 8611  | 2870    |
| 23     | PC-2057 | 2870 | 3229 | 3588 | 9687  | 3229    |
| 24     | PC-2058 | 2870 | 3229 | 2512 | 8611  | 2870    |
| 25     | PC-2059 | 2512 | 2153 | 2153 | 6817  | 2272    |
| 26     | PC-2060 | 2153 | 2870 | 3229 | 8252  | 2751    |
| 27     | PC-2061 | 1794 | 1435 | 2870 | 6099  | 2033    |

Table 3.10 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRS Lasbela

| Sr.No. | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 179  | 474  | 380  | 1033  | 344     |
| 2      | PC-2036 | 707  | 1076 | 818  | 2601  | 867     |
| 3      | PC-2037 | 1019 | 1234 | 1119 | 3373  | 1124    |
| 4      | PC-2038 | 1841 | 1668 | 1765 | 5274  | 1758    |
| 5      | PC-2039 | 1550 | 1945 | 1507 | 5002  | 1667    |
| 6      | PC-2040 | 1557 | 1177 | 1198 | 3932  | 1311    |
| 7      | PC-2041 | 736  | 707  | 506  | 1948  | 649     |
| 8      | PC-2042 | 1162 | 1213 | 1213 | 3588  | 1196    |
| 9      | PC-2043 | 1711 | 1130 | 1536 | 4377  | 1459    |
| 10     | PC-2044 | 280  | 639  | 183  | 1101  | 367     |
| 11     | PC-2045 | 1338 | 1751 | 1593 | 4682  | 1561    |
| 12     | PC-2046 | 1959 | 2224 | 1823 | 6006  | 2002    |
| 13     | PC-2047 | 1625 | 1528 | 1575 | 4729  | 1576    |
| 14     | PC-2048 | 1844 | 1550 | 1478 | 4872  | 1624    |
| 15     | PC-2049 | 1912 | 1819 | 1561 | 5292  | 1764    |
| 16     | PC-2050 | 1389 | 1234 | 1037 | 3660  | 1220    |
| 17     | PC-2051 | 1023 | 965  | 1112 | 3100  | 1033    |
| 18     | PC-2052 | 2149 | 2171 | 2285 | 6605  | 2202    |
| 19     | PC-2053 | 1772 | 1823 | 1701 | 5296  | 1765    |
| 20     | PC-2054 | 2027 | 2088 | 2042 | 6157  | 2052    |
| 21     | PC-2055 | 1252 | 1284 | 1173 | 3710  | 1237    |
| 22     | PC-2056 | 1374 | 1511 | 1328 | 4212  | 1404    |
| 23     | PC-2057 | 1338 | 1586 | 1249 | 4173  | 1391    |
| 24     | PC-2058 | 1568 | 1335 | 1403 | 4305  | 1435    |
| 25     | PC-2059 | 1536 | 1521 | 1536 | 4592  | 1531    |
| 26     | PC-2060 | 2174 | 2052 | 2268 | 6494  | 2165    |
| 27     | PC-2061 | 1331 | 1328 | 1514 | 4173  | 1391    |

Table 3.11 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRI Sakrand

| Sr.No. | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 343  | 331  | 367  | 1041  | 347     |
| 2      | PC-2036 | 396  | 455  | 417  | 1268  | 423     |
| 3      | PC-2037 | 1708 | 1644 | 1530 | 4882  | 1627    |
| 4      | PC-2038 | 1739 | 1841 | 1790 | 5370  | 1790    |
| 5      | PC-2039 | 1154 | 1106 | 1061 | 3321  | 1107    |
| 6      | PC-2040 | 412  | 471  | 421  | 1304  | 435     |
| 7      | PC-2041 | 533  | 603  | 555  | 1691  | 564     |
| 8      | PC-2042 | 330  | 294  | 291  | 915   | 305     |
| 9      | PC-2043 | 873  | 810  | 786  | 2469  | 823     |
| 10     | PC-2044 | 446  | 395  | 405  | 1246  | 415     |
| 11     | PC-2045 | 633  | 834  | 773  | 2240  | 747     |
| 12     | PC-2046 | 1275 | 1128 | 1257 | 3660  | 1220    |
| 13     | PC-2047 | 1540 | 1610 | 1690 | 4840  | 1613    |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 14 | PC-2048 | 924  | 861  | 1012 | 2797 | 932  |
| 15 | PC-2049 | 892  | 931  | 999  | 2822 | 941  |
| 16 | PC-2050 | 830  | 699  | 762  | 2291 | 764  |
| 17 | PC-2051 | 669  | 699  | 721  | 2089 | 696  |
| 18 | PC-2052 | 1740 | 1798 | 1759 | 5297 | 1766 |
| 19 | PC-2053 | 630  | 537  | 639  | 1806 | 602  |
| 20 | PC-2054 | 794  | 876  | 840  | 2510 | 837  |
| 21 | PC-2055 | 657  | 573  | 642  | 1872 | 624  |
| 22 | PC-2056 | 1071 | 1153 | 1173 | 3397 | 1132 |
| 23 | PC-2057 | 1050 | 837  | 819  | 2706 | 902  |
| 24 | PC-2058 | 774  | 639  | 885  | 2298 | 766  |
| 25 | PC-2059 | 759  | 848  | 828  | 2435 | 812  |
| 26 | PC-2060 | 1119 | 1041 | 1011 | 3171 | 1057 |
| 27 | PC-2061 | 520  | 525  | 510  | 1555 | 518  |

Table 3.12 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRS Ghotki

| Sr.No. | Code    | R1   | R2  | R3  | Total | Average |
|--------|---------|------|-----|-----|-------|---------|
| 1      | PC-2035 | 814  | 911 | 872 | 2598  | 866     |
| 2      | PC-2036 | 879  | 987 | 847 | 2712  | 904     |
| 3      | PC-2037 | 707  | 832 | 915 | 2454  | 818     |
| 4      | PC-2038 | 542  | 793 | 832 | 2167  | 722     |
| 5      | PC-2039 | 560  | 753 | 646 | 1959  | 653     |
| 6      | PC-2040 | 793  | 832 | 987 | 2612  | 871     |
| 7      | PC-2041 | 840  | 908 | 901 | 2648  | 883     |
| 8      | PC-2042 | 911  | 879 | 918 | 2709  | 903     |
| 9      | PC-2043 | 832  | 901 | 901 | 2633  | 878     |
| 10     | PC-2044 | 990  | 868 | 983 | 2842  | 947     |
| 11     | PC-2045 | 911  | 800 | 911 | 2623  | 874     |
| 12     | PC-2046 | 671  | 592 | 793 | 2056  | 685     |
| 13     | PC-2047 | 875  | 918 | 883 | 2676  | 892     |
| 14     | PC-2048 | 983  | 804 | 793 | 2580  | 860     |
| 15     | PC-2049 | 843  | 883 | 915 | 2641  | 880     |
| 16     | PC-2050 | 926  | 947 | 757 | 2630  | 877     |
| 17     | PC-2051 | 1026 | 843 | 879 | 2748  | 916     |
| 18     | PC-2052 | 918  | 832 | 829 | 2580  | 860     |
| 19     | PC-2053 | 599  | 635 | 517 | 1751  | 584     |
| 20     | PC-2054 | 915  | 947 | 800 | 2662  | 887     |
| 21     | PC-2055 | 840  | 911 | 947 | 2698  | 899     |
| 22     | PC-2056 | 879  | 911 | 886 | 2676  | 892     |
| 23     | PC-2057 | 840  | 757 | 761 | 2357  | 786     |
| 24     | PC-2058 | 915  | 843 | 764 | 2522  | 841     |
| 25     | PC-2059 | 843  | 915 | 840 | 2598  | 866     |
| 26     | PC-2060 | 911  | 879 | 840 | 2630  | 877     |

|    |         |     |     |     |      |     |
|----|---------|-----|-----|-----|------|-----|
| 27 | PC-2061 | 836 | 918 | 879 | 2633 | 878 |
|----|---------|-----|-----|-----|------|-----|

Table 3.13 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRS Mirpurkhas

| Sr.No. | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 1232 | 2761 | 1817 | 5810  | 1937    |
| 2      | PC-2036 | 2011 | 1935 | 2083 | 6029  | 2010    |
| 3      | PC-2037 | 2366 | 2298 | 2550 | 7214  | 2405    |
| 4      | PC-2038 | 2009 | 2541 | 2431 | 6981  | 2327    |
| 5      | PC-2039 | 2043 | 1872 | 1523 | 5438  | 1813    |
| 6      | PC-2040 | 3217 | 3340 | 3182 | 9739  | 3246    |
| 7      | PC-2041 | 2658 | 2116 | 1991 | 6765  | 2255    |
| 8      | PC-2042 | 1987 | 2890 | 2765 | 7642  | 2547    |
| 9      | PC-2043 | 2123 | 2533 | 2138 | 6794  | 2265    |
| 10     | PC-2044 | 1933 | 2139 | 2341 | 6413  | 2138    |
| 11     | PC-2045 | 2348 | 2209 | 2770 | 7327  | 2442    |
| 12     | PC-2046 | 2137 | 2172 | 2823 | 7132  | 2377    |
| 13     | PC-2047 | 3431 | 2780 | 3031 | 9242  | 3081    |
| 14     | PC-2048 | 1872 | 1609 | 1921 | 5402  | 1801    |
| 15     | PC-2049 | 2322 | 1990 | 1899 | 6211  | 2070    |
| 16     | PC-2050 | 3321 | 3031 | 3132 | 9484  | 3161    |
| 17     | PC-2051 | 1982 | 1823 | 1933 | 5738  | 1913    |
| 18     | PC-2052 | 3098 | 2935 | 3328 | 9361  | 3120    |
| 19     | PC-2053 | 2019 | 2312 | 2312 | 6643  | 2214    |
| 20     | PC-2054 | 2918 | 2202 | 1922 | 7042  | 2347    |
| 21     | PC-2055 | 1821 | 2134 | 2231 | 6186  | 2062    |
| 22     | PC-2056 | 1921 | 2567 | 2121 | 6609  | 2203    |
| 23     | PC-2057 | 2918 | 2312 | 1928 | 7158  | 2386    |
| 24     | PC-2058 | 2291 | 2312 | 1928 | 6531  | 2177    |
| 25     | PC-2059 | 2132 | 2200 | 1921 | 6253  | 2084    |
| 26     | PC-2060 | 2921 | 2615 | 2121 | 7657  | 2552    |
| 27     | PC-2061 | 1846 | 2290 | 2098 | 6234  | 2078    |

Table 3.13 Seed Cotton Yield data of NCVT2020-21 Set C conducted at CRS Sibbi

| Sr.No. | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2035 | 431  | 405  | 402  | 1238  | 413     |
| 2      | PC-2036 | 700  | 631  | 678  | 2009  | 670     |
| 3      | PC-2037 | 893  | 1263 | 1579 | 3735  | 1245    |
| 4      | PC-2038 | 1292 | 1328 | 1012 | 3632  | 1211    |
| 5      | PC-2039 | 714  | 1112 | 1543 | 3369  | 1123    |
| 6      | PC-2040 | 642  | 786  | 764  | 2192  | 731     |
| 7      | PC-2041 | 969  | 538  | 797  | 2304  | 768     |
| 8      | PC-2042 | 1220 | 1223 | 1288 | 3731  | 1244    |
| 9      | PC-2043 | 1019 | 890  | 1302 | 3211  | 1070    |
| 10     | PC-2044 | 797  | 671  | 585  | 2053  | 684     |
| 11     | PC-2045 | 1130 | 940  | 1191 | 3261  | 1087    |
| 12     | PC-2046 | 897  | 660  | 1338 | 2895  | 965     |
| 13     | PC-2047 | 628  | 965  | 1417 | 3010  | 1003    |
| 14     | PC-2048 | 1019 | 1317 | 1489 | 3825  | 1275    |
| 15     | PC-2049 | 789  | 463  | 861  | 2113  | 704     |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 16 | PC-2050 | 861  | 574  | 1127 | 2562 | 854  |
| 17 | PC-2051 | 825  | 657  | 549  | 2031 | 677  |
| 18 | PC-2052 | 965  | 1220 | 1787 | 3972 | 1324 |
| 19 | PC-2053 | 1213 | 1360 | 1030 | 3603 | 1201 |
| 20 | PC-2054 | 822  | 628  | 1643 | 3093 | 1031 |
| 21 | PC-2055 | 639  | 944  | 1040 | 2623 | 874  |
| 22 | PC-2056 | 1076 | 1073 | 987  | 3136 | 1045 |
| 23 | PC-2057 | 556  | 524  | 818  | 1898 | 633  |
| 24 | PC-2058 | 922  | 1281 | 1245 | 3448 | 1149 |
| 25 | PC-2059 | 642  | 1033 | 1220 | 2895 | 965  |
| 26 | PC-2060 | 1500 | 997  | 1385 | 3882 | 1294 |
| 27 | PC-2061 | 1177 | 1342 | 1274 | 3793 | 1264 |

Table 3.14 Seed Cotton Yield data of NCVT2020-21 Set C conducted at NIA Tandojam

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 1458 | 1539 | 1620 | 4617  | 1539    |
| 2      | PC-2063 | 1296 | 1215 | 1296 | 3807  | 1269    |
| 3      | PC-2064 | 972  | 1134 | 886  | 2992  | 997     |
| 4      | PC-2065 | 686  | 972  | 891  | 2549  | 850     |
| 5      | PC-2066 | 1134 | 1296 | 1198 | 3628  | 1209    |
| 6      | PC-2067 | 1086 | 786  | 972  | 2844  | 948     |
| 7      | PC-2068 | 1867 | 1948 | 1848 | 5663  | 1888    |
| 8      | PC-2069 | 1244 | 1486 | 1120 | 3850  | 1283    |
| 9      | PC-2070 | 886  | 648  | 767  | 2301  | 767     |
| 10     | PC-2071 | 986  | 810  | 648  | 2444  | 815     |
| 11     | PC-2072 | 1296 | 1458 | 1458 | 4212  | 1404    |
| 12     | PC-2073 | 1254 | 1134 | 1572 | 3960  | 1320    |
| 13     | PC-2074 | 1262 | 1458 | 1782 | 4502  | 1501    |
| 14     | PC-2075 | 1296 | 1134 | 1458 | 3888  | 1296    |
| 15     | PC-2076 | 1458 | 1696 | 1377 | 4531  | 1510    |
| 16     | PC-2077 | 1215 | 1134 | 1458 | 3807  | 1269    |
| 17     | PC-2078 | 1458 | 1620 | 1296 | 4374  | 1458    |
| 18     | PC-2079 | 891  | 972  | 1053 | 2916  | 972     |
| 19     | PC-2080 | 1048 | 810  | 810  | 2668  | 889     |
| 20     | PC-2081 | 824  | 786  | 967  | 2577  | 859     |
| 21     | PC-2082 | 1539 | 1458 | 1620 | 4617  | 1539    |
| 22     | PC-2083 | 1620 | 1539 | 1620 | 4779  | 1593    |
| 23     | PC-2084 | 1444 | 1344 | 1458 | 4246  | 1415    |
| 24     | PC-2085 | 1458 | 1783 | 1620 | 4861  | 1620    |
| 25     | PC-2086 | 907  | 972  | 1134 | 3013  | 1004    |
| 26     | PC-2087 | 1215 | 1296 | 1215 | 3726  | 1242    |

Table 4.1 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRS Sahiwal

| Sr.No. | Codes   | R-1 | R-2 | R-3 | Total | Average |
|--------|---------|-----|-----|-----|-------|---------|
| 1      | PC-2062 | 495 | 503 | 601 | 1599  | 533     |
| 2      | PC-2063 | 778 | 806 | 894 | 2478  | 826     |
| 3      | PC-2064 | 643 | 671 | 759 | 2073  | 691     |



|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 4  | PC-2065 | 764  | 780  | 874  | 2418 | 806  |
| 5  | PC-2066 | 760  | 768  | 866  | 2394 | 798  |
| 6  | PC-2067 | 1105 | 1102 | 1206 | 3413 | 1138 |
| 7  | PC-2068 | 1120 | 1070 | 1050 | 3240 | 1080 |
| 8  | PC-2069 | 841  | 757  | 725  | 2323 | 774  |
| 9  | PC-2070 | 516  | 428  | 400  | 1344 | 448  |
| 10 | PC-2071 | 692  | 600  | 580  | 1872 | 624  |
| 11 | PC-2072 | 930  | 832  | 824  | 2586 | 862  |
| 12 | PC-2073 | 799  | 701  | 693  | 2193 | 731  |
| 13 | PC-2074 | 823  | 725  | 717  | 2265 | 755  |
| 14 | PC-2075 | 473  | 375  | 367  | 1215 | 405  |
| 15 | PC-2076 | 1173 | 1085 | 1057 | 3315 | 1105 |
| 16 | PC-2077 | 813  | 901  | 785  | 2499 | 833  |
| 17 | PC-2078 | 810  | 908  | 802  | 2520 | 840  |
| 18 | PC-2079 | 550  | 658  | 562  | 1770 | 590  |
| 19 | PC-2080 | 522  | 612  | 496  | 1630 | 543  |
| 20 | PC-2081 | 430  | 538  | 442  | 1410 | 470  |
| 21 | PC-2082 | 1165 | 1263 | 1157 | 3585 | 1195 |
| 22 | PC-2083 | 1100 | 1182 | 1060 | 3342 | 1114 |
| 23 | PC-2084 | 821  | 939  | 823  | 2583 | 861  |
| 24 | PC-2085 | 1022 | 1140 | 1054 | 3216 | 1072 |
| 25 | PC-2086 | 517  | 615  | 509  | 1641 | 547  |
| 26 | PC-2087 | 327  | 435  | 339  | 1101 | 367  |

Table 4.2 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CCRI Multan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 2395 | 2313 | 2402 | 7110  | 2370    |
| 2      | PC-2063 | 2257 | 1454 | 2265 | 5976  | 1992    |
| 3      | PC-2064 | 3430 | 2428 | 2580 | 8438  | 2813    |
| 4      | PC-2065 | 2578 | 2898 | 2137 | 7613  | 2538    |
| 5      | PC-2066 | 2765 | 1824 | 2143 | 6732  | 2244    |
| 6      | PC-2067 | 2123 | 2797 | 2352 | 7273  | 2424    |
| 7      | PC-2068 | 3648 | 1864 | 3295 | 8806  | 2935    |
| 8      | PC-2069 | 2083 | 3435 | 2628 | 8146  | 2715    |
| 9      | PC-2070 | 1676 | 2482 | 1674 | 5831  | 1944    |
| 10     | PC-2071 | 2043 | 3438 | 2897 | 8378  | 2793    |
| 11     | PC-2072 | 2929 | 1545 | 2307 | 6780  | 2260    |
| 12     | PC-2073 | 1901 | 2541 | 2591 | 7033  | 2344    |
| 13     | PC-2074 | 3028 | 2221 | 3214 | 8462  | 2821    |
| 14     | PC-2075 | 1940 | 1409 | 1462 | 4812  | 1604    |
| 15     | PC-2076 | 3081 | 2357 | 2411 | 7849  | 2616    |
| 16     | PC-2077 | 2803 | 3215 | 2805 | 8824  | 2941    |
| 17     | PC-2078 | 2890 | 2717 | 2447 | 8054  | 2685    |
| 18     | PC-2079 | 1847 | 1949 | 2261 | 6056  | 2019    |
| 19     | PC-2080 | 2432 | 2671 | 3206 | 8309  | 2770    |
| 20     | PC-2081 | 1136 | 1501 | 1141 | 3777  | 1259    |
| 21     | PC-2082 | 2313 | 2001 | 2592 | 6905  | 2302    |
| 22     | PC-2083 | 2765 | 2658 | 2679 | 8101  | 2700    |
| 23     | PC-2084 | 2536 | 2594 | 2313 | 7442  | 2481    |
| 24     | PC-2085 | 2859 | 3029 | 2443 | 8331  | 2777    |
| 25     | PC-2086 | 2086 | 2355 | 2308 | 6748  | 2249    |
| 26     | PC-2087 | 2946 | 2029 | 2660 | 7635  | 2545    |

Table 4.3 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRI R.Y.Khan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 2009 | 1531 | 2105 | 5645  | 1882    |
| 2      | PC-2063 | 1914 | 1722 | 1674 | 5310  | 1770    |
| 3      | PC-2064 | 2105 | 2105 | 2201 | 6410  | 2137    |
| 4      | PC-2065 | 2009 | 2009 | 1818 | 5836  | 1945    |
| 5      | PC-2066 | 2009 | 2201 | 2105 | 6315  | 2105    |
| 6      | PC-2067 | 1435 | 1244 | 1339 | 4018  | 1339    |
| 7      | PC-2068 | 2201 | 1914 | 2105 | 6219  | 2073    |
| 8      | PC-2069 | 2488 | 2583 | 2105 | 7176  | 2392    |
| 9      | PC-2070 | 1914 | 2057 | 2009 | 5980  | 1993    |
| 10     | PC-2071 | 1531 | 2105 | 1435 | 5071  | 1690    |
| 11     | PC-2072 | 1722 | 1914 | 1627 | 5262  | 1754    |
| 12     | PC-2073 | 957  | 1148 | 1052 | 3157  | 1052    |
| 13     | PC-2074 | 2201 | 1914 | 1722 | 5836  | 1945    |
| 14     | PC-2075 | 1627 | 1722 | 1339 | 4688  | 1563    |
| 15     | PC-2076 | 2296 | 2105 | 2201 | 6602  | 2201    |
| 16     | PC-2077 | 2201 | 2105 | 2105 | 6410  | 2137    |
| 17     | PC-2078 | 1818 | 2105 | 1722 | 5645  | 1882    |
| 18     | PC-2079 | 2105 | 2201 | 1244 | 5549  | 1850    |
| 19     | PC-2080 | 2009 | 1914 | 2105 | 6028  | 2009    |
| 20     | PC-2081 | 1339 | 1148 | 1244 | 3731  | 1244    |
| 21     | PC-2082 | 2105 | 1722 | 1914 | 5741  | 1914    |
| 22     | PC-2083 | 1914 | 2105 | 2296 | 6315  | 2105    |
| 23     | PC-2084 | 1818 | 2009 | 2201 | 6028  | 2009    |
| 24     | PC-2085 | 1674 | 1627 | 1818 | 5119  | 1706    |
| 25     | PC-2086 | 2201 | 2392 | 2296 | 6889  | 2296    |
| 26     | PC-2087 | 1818 | 2009 | 1914 | 5741  | 1914    |

Table 4.4 Seed Cotton Yield data of NCVT2020-21 Set D conducted at NIBGE Faisalabad

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 908  | 1168 | 1288 | 3364  | 1121    |
| 2      | PC-2063 | 630  | 665  | 1076 | 2371  | 790     |
| 3      | PC-2064 | 1676 | 1415 | 1956 | 5048  | 1683    |
| 4      | PC-2065 | 958  | 936  | 1157 | 3052  | 1017    |
| 5      | PC-2066 | 834  | 1615 | 1133 | 3582  | 1194    |
| 6      | PC-2067 | 938  | 1203 | 1223 | 3364  | 1121    |
| 7      | PC-2068 | 710  | 1319 | 1668 | 3697  | 1232    |
| 8      | PC-2069 | 1905 | 1728 | 1905 | 5538  | 1846    |
| 9      | PC-2070 | 1453 | 1319 | 1157 | 3929  | 1310    |
| 10     | PC-2071 | 1076 | 611  | 1453 | 3140  | 1047    |
| 11     | PC-2072 | 1313 | 810  | 1130 | 3253  | 1084    |
| 12     | PC-2073 | 858  | 963  | 694  | 2516  | 839     |
| 13     | PC-2074 | 1238 | 1206 | 1262 | 3705  | 1235    |
| 14     | PC-2075 | 982  | 888  | 1211 | 3081  | 1027    |
| 15     | PC-2076 | 1615 | 1383 | 2207 | 5204  | 1735    |
| 16     | PC-2077 | 1203 | 990  | 848  | 3041  | 1014    |
| 17     | PC-2078 | 1394 | 1044 | 1270 | 3708  | 1236    |
| 18     | PC-2079 | 877  | 1173 | 1437 | 3487  | 1162    |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 19 | PC-2080 | 1200 | 1776 | 1701 | 4677 | 1559 |
| 20 | PC-2081 | 1039 | 1450 | 1722 | 4211 | 1404 |
| 21 | PC-2082 | 939  | 1130 | 1313 | 3382 | 1127 |
| 22 | PC-2083 | 1690 | 1671 | 1496 | 4857 | 1619 |
| 23 | PC-2084 | 1749 | 1076 | 1679 | 4505 | 1502 |
| 24 | PC-2085 | 1345 | 1216 | 1781 | 4343 | 1448 |
| 25 | PC-2086 | 608  | 640  | 996  | 2244 | 748  |
| 26 | PC-2087 | 1141 | 883  | 700  | 2723 | 908  |

Table 4.5 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRS Vehari

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 2123 | 1935 | 1988 | 6046  | 2015    |
| 2      | PC-2063 | 2205 | 2236 | 2176 | 6618  | 2206    |
| 3      | PC-2064 | 2113 | 2058 | 2079 | 6250  | 2083    |
| 4      | PC-2065 | 2115 | 2215 | 2125 | 6455  | 2152    |
| 5      | PC-2066 | 2366 | 2230 | 2168 | 6763  | 2254    |
| 6      | PC-2067 | 2099 | 2143 | 2110 | 6352  | 2117    |
| 7      | PC-2068 | 2568 | 2517 | 2609 | 7694  | 2565    |
| 8      | PC-2069 | 2179 | 2051 | 2205 | 6435  | 2145    |
| 9      | PC-2070 | 2216 | 2115 | 2246 | 6577  | 2192    |
| 10     | PC-2071 | 2246 | 2115 | 2215 | 6575  | 2192    |
| 11     | PC-2072 | 2056 | 2012 | 1475 | 5543  | 1848    |
| 12     | PC-2073 | 2721 | 2656 | 2766 | 8143  | 2714    |
| 13     | PC-2074 | 2098 | 1864 | 2116 | 6078  | 2026    |
| 14     | PC-2075 | 2318 | 2287 | 2285 | 6890  | 2297    |
| 15     | PC-2076 | 2545 | 2768 | 2634 | 7947  | 2649    |
| 16     | PC-2077 | 2390 | 2366 | 2379 | 7135  | 2378    |
| 17     | PC-2078 | 2343 | 2437 | 2417 | 7197  | 2399    |
| 18     | PC-2079 | 1379 | 1423 | 1306 | 4108  | 1369    |
| 19     | PC-2080 | 2145 | 2176 | 2119 | 6440  | 2147    |
| 20     | PC-2081 | 2115 | 2215 | 2189 | 6519  | 2173    |
| 21     | PC-2082 | 1786 | 2086 | 2155 | 6026  | 2009    |
| 22     | PC-2083 | 1864 | 2330 | 2056 | 6250  | 2083    |
| 23     | PC-2084 | 1864 | 1990 | 1945 | 5799  | 1933    |
| 24     | PC-2085 | 2324 | 2473 | 2388 | 7185  | 2395    |
| 25     | PC-2086 | 2186 | 2115 | 2151 | 6451  | 2150    |
| 26     | PC-2087 | 2056 | 2119 | 2115 | 6289  | 2096    |

Table 4.6 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRS D.I. Khan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 479  | 395  | 487  | 1361  | 454     |
| 2      | PC-2063 | 795  | 566  | 648  | 2009  | 670     |
| 3      | PC-2064 | 1031 | 897  | 1302 | 3230  | 1077    |
| 4      | PC-2065 | 631  | 502  | 589  | 1722  | 574     |
| 5      | PC-2066 | 866  | 638  | 792  | 2296  | 765     |
| 6      | PC-2067 | 638  | 695  | 927  | 2260  | 753     |
| 7      | PC-2068 | 802  | 931  | 1102 | 2835  | 945     |
| 8      | PC-2069 | 997  | 938  | 1222 | 3157  | 1052    |
| 9      | PC-2070 | 625  | 559  | 538  | 1722  | 574     |
| 10     | PC-2071 | 753  | 795  | 856  | 2404  | 801     |
| 11     | PC-2072 | 1007 | 902  | 925  | 2834  | 945     |
| 12     | PC-2073 | 1048 | 866  | 1207 | 3121  | 1040    |
| 13     | PC-2074 | 1171 | 1031 | 956  | 3158  | 1053    |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 14 | PC-2075 | 789  | 802  | 848  | 2439 | 813  |
| 15 | PC-2076 | 1207 | 1097 | 997  | 3301 | 1100 |
| 16 | PC-2077 | 1166 | 1138 | 1320 | 3624 | 1208 |
| 17 | PC-2078 | 1071 | 995  | 948  | 3014 | 1005 |
| 18 | PC-2079 | 1184 | 897  | 825  | 2906 | 969  |
| 19 | PC-2080 | 897  | 610  | 502  | 2009 | 670  |
| 20 | PC-2081 | 653  | 531  | 466  | 1650 | 550  |
| 21 | PC-2082 | 825  | 646  | 753  | 2224 | 741  |
| 22 | PC-2083 | 1184 | 1112 | 789  | 3085 | 1028 |
| 23 | PC-2084 | 1048 | 848  | 831  | 2727 | 909  |
| 24 | PC-2085 | 689  | 884  | 795  | 2368 | 789  |
| 25 | PC-2086 | 538  | 969  | 538  | 2045 | 682  |
| 26 | PC-2087 | 825  | 1007 | 1002 | 2834 | 945  |

Table 4.7 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRS Bahawalpur

| Sr.No | Codes   | R-1  | R-2  | R-3  | Total | Average |
|-------|---------|------|------|------|-------|---------|
| 1     | PC-2062 | 431  | 646  | 215  | 1292  | 431     |
| 2     | PC-2063 | 431  | 431  | 753  | 1615  | 538     |
| 3     | PC-2064 | 915  | 1184 | 1184 | 3283  | 1094    |
| 4     | PC-2065 | 269  | 431  | 377  | 1076  | 359     |
| 5     | PC-2066 | 861  | 753  | 538  | 2153  | 718     |
| 6     | PC-2067 | 683  | 807  | 985  | 2476  | 825     |
| 7     | PC-2068 | 1399 | 1507 | 1292 | 4198  | 1399    |
| 8     | PC-2069 | 1076 | 1292 | 1399 | 3767  | 1256    |
| 9     | PC-2070 | 646  | 915  | 753  | 2314  | 771     |
| 10    | PC-2071 | 753  | 807  | 646  | 2207  | 736     |
| 11    | PC-2072 | 969  | 850  | 872  | 2691  | 897     |
| 12    | PC-2073 | 484  | 323  | 377  | 1184  | 395     |
| 13    | PC-2074 | 807  | 861  | 538  | 2207  | 736     |
| 14    | PC-2075 | 484  | 538  | 700  | 1722  | 574     |
| 15    | PC-2076 | 753  | 753  | 969  | 2476  | 825     |
| 16    | PC-2077 | 538  | 861  | 646  | 2045  | 682     |
| 17    | PC-2078 | 861  | 753  | 861  | 2476  | 825     |
| 18    | PC-2079 | 377  | 431  | 538  | 1345  | 448     |
| 19    | PC-2080 | 915  | 1184 | 1184 | 3283  | 1094    |
| 20    | PC-2081 | 161  | 108  | 161  | 431   | 144     |
| 21    | PC-2082 | 915  | 807  | 592  | 2314  | 771     |
| 22    | PC-2083 | 1184 | 700  | 1023 | 2906  | 969     |
| 23    | PC-2084 | 1184 | 1292 | 1076 | 3552  | 1184    |
| 24    | PC-2085 | 969  | 646  | 1076 | 2691  | 897     |
| 25    | PC-2086 | 538  | 431  | 484  | 1453  | 484     |
| 26    | PC-2087 | 1722 | 1722 | 1292 | 4736  | 1579    |

Table 4.8 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRI Multan

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 1795 | 1795 | 1795 | 5385  | 1795    |
| 2      | PC-2063 | 1436 | 1795 | 1795 | 5026  | 1675    |
| 3      | PC-2064 | 1436 | 1077 | 1795 | 4308  | 1436    |
| 4      | PC-2065 | 1795 | 1795 | 1795 | 5385  | 1795    |
| 5      | PC-2066 | 1436 | 1795 | 1795 | 5026  | 1675    |
| 6      | PC-2067 | 1795 | 1795 | 1795 | 5385  | 1795    |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 7  | PC-2068 | 2513 | 2872 | 2513 | 7898 | 2633 |
| 8  | PC-2069 | 2513 | 2872 | 2154 | 7539 | 2513 |
| 9  | PC-2070 | 2513 | 2154 | 2513 | 7180 | 2393 |
| 10 | PC-2071 | 1795 | 2513 | 1795 | 6103 | 2034 |
| 11 | PC-2072 | 2513 | 2513 | 2154 | 7180 | 2393 |
| 12 | PC-2073 | 2513 | 2154 | 2513 | 7180 | 2393 |
| 13 | PC-2074 | 2154 | 1795 | 1436 | 5385 | 1795 |
| 14 | PC-2075 | 2154 | 2154 | 2154 | 6462 | 2154 |
| 15 | PC-2076 | 2154 | 1795 | 2154 | 6103 | 2034 |
| 16 | PC-2077 | 2154 | 1795 | 1436 | 5385 | 1795 |
| 17 | PC-2078 | 2154 | 1795 | 2872 | 6821 | 2274 |
| 18 | PC-2079 | 1795 | 2154 | 1795 | 5744 | 1915 |
| 19 | PC-2080 | 2513 | 2154 | 2513 | 7180 | 2393 |
| 20 | PC-2081 | 2872 | 2513 | 2154 | 7539 | 2513 |
| 21 | PC-2082 | 2154 | 2513 | 2872 | 7539 | 2513 |
| 22 | PC-2083 | 2872 | 2513 | 2872 | 8257 | 2752 |
| 23 | PC-2084 | 2513 | 1795 | 2154 | 6462 | 2154 |
| 24 | PC-2085 | 1795 | 1436 | 2513 | 5744 | 1915 |
| 25 | PC-2086 | 1436 | 1795 | 2154 | 5385 | 1795 |
| 26 | PC-2087 | 2154 | 1795 | 1436 | 5385 | 1795 |

Table 4.9 Seed Cotton Yield data of NCVT2020-21 Set D conducted at Naal Khuzdar

| Sr.No. | Codes   | R-1  | R-2  | R-3  | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 1436 | 1795 | 1795 | 5026  | 1675    |
| 2      | PC-2063 | 2154 | 1795 | 2154 | 6103  | 2034    |
| 3      | PC-2064 | 2154 | 1795 | 2154 | 6103  | 2034    |
| 4      | PC-2065 | 2513 | 2154 | 2154 | 6821  | 2274    |
| 5      | PC-2066 | 2872 | 2513 | 2154 | 7539  | 2513    |
| 6      | PC-2067 | 2513 | 2154 | 2154 | 6821  | 2274    |
| 7      | PC-2068 | 2872 | 2872 | 2872 | 8616  | 2872    |
| 8      | PC-2069 | 2872 | 3231 | 2154 | 8257  | 2752    |
| 9      | PC-2070 | 2513 | 2154 | 2513 | 7180  | 2393    |
| 10     | PC-2071 | 2154 | 2513 | 1795 | 6462  | 2154    |
| 11     | PC-2072 | 2872 | 2154 | 2872 | 7898  | 2633    |
| 12     | PC-2073 | 2872 | 2872 | 2513 | 8257  | 2752    |
| 13     | PC-2074 | 2513 | 2154 | 2872 | 7539  | 2513    |
| 14     | PC-2075 | 2872 | 2154 | 2513 | 7539  | 2513    |
| 15     | PC-2076 | 2154 | 2513 | 2872 | 7539  | 2513    |
| 16     | PC-2077 | 2513 | 1795 | 1436 | 5744  | 1915    |
| 17     | PC-2078 | 2513 | 2154 | 3231 | 7898  | 2633    |
| 18     | PC-2079 | 2154 | 2872 | 1795 | 6821  | 2274    |
| 19     | PC-2080 | 2872 | 2154 | 2513 | 7539  | 2513    |
| 20     | PC-2081 | 3590 | 2513 | 2154 | 8257  | 2752    |
| 21     | PC-2082 | 2513 | 2513 | 2872 | 7898  | 2633    |
| 22     | PC-2083 | 2872 | 2513 | 2872 | 8257  | 2752    |
| 23     | PC-2084 | 2513 | 2872 | 2513 | 7898  | 2633    |
| 24     | PC-2085 | 2154 | 2154 | 2513 | 6821  | 2274    |
| 25     | PC-2086 | 1795 | 2154 | 2513 | 6462  | 2154    |

|    |         |      |      |      |      |      |
|----|---------|------|------|------|------|------|
| 26 | PC-2087 | 2513 | 2513 | 2872 | 7898 | 2633 |
|----|---------|------|------|------|------|------|

Table 4.10 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRS Lasbela

| Sr.No. | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 1715 | 1528 | 1345 | 4589  | 1530    |
| 2      | PC-2063 | 1148 | 1109 | 1023 | 3279  | 1093    |
| 3      | PC-2064 | 1378 | 1557 | 1460 | 4395  | 1465    |
| 4      | PC-2065 | 466  | 578  | 517  | 1561  | 520     |
| 5      | PC-2066 | 1223 | 1313 | 1385 | 3922  | 1307    |
| 6      | PC-2067 | 771  | 782  | 707  | 2260  | 753     |
| 7      | PC-2068 | 1051 | 1080 | 1162 | 3294  | 1098    |
| 8      | PC-2069 | 538  | 570  | 423  | 1532  | 511     |
| 9      | PC-2070 | 1231 | 1080 | 1191 | 3502  | 1167    |
| 10     | PC-2071 | 599  | 556  | 531  | 1686  | 562     |
| 11     | PC-2072 | 904  | 1026 | 965  | 2895  | 965     |
| 12     | PC-2073 | 222  | 427  | 423  | 1073  | 358     |
| 13     | PC-2074 | 1328 | 1399 | 1274 | 4000  | 1333    |
| 14     | PC-2075 | 642  | 714  | 621  | 1977  | 659     |
| 15     | PC-2076 | 1754 | 1948 | 1905 | 5608  | 1869    |
| 16     | PC-2077 | 804  | 861  | 779  | 2443  | 814     |
| 17     | PC-2078 | 1557 | 1493 | 1392 | 4442  | 1481    |
| 18     | PC-2079 | 972  | 736  | 962  | 2669  | 890     |
| 19     | PC-2080 | 1381 | 1536 | 1453 | 4370  | 1457    |
| 20     | PC-2081 | 244  | 230  | 172  | 646   | 215     |
| 21     | PC-2082 | 1105 | 1184 | 1051 | 3340  | 1113    |
| 22     | PC-2083 | 1295 | 1349 | 1188 | 3832  | 1277    |
| 23     | PC-2084 | 1615 | 1460 | 1589 | 4664  | 1555    |
| 24     | PC-2085 | 1245 | 1170 | 1076 | 3491  | 1164    |
| 25     | PC-2086 | 592  | 413  | 423  | 1428  | 476     |
| 26     | PC-2087 | 933  | 893  | 850  | 2677  | 892     |

Table 4.11 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRI Sakrand

| Sr.No. | Code    | R1  | R2  | R3  | Total | Average |
|--------|---------|-----|-----|-----|-------|---------|
| 1      | PC-2062 | 444 | 510 | 480 | 1434  | 478     |
| 2      | PC-2063 | 498 | 558 | 526 | 1582  | 527     |
| 3      | PC-2064 | 990 | 884 | 866 | 2740  | 913     |
| 4      | PC-2065 | 672 | 616 | 648 | 1936  | 645     |
| 5      | PC-2066 | 792 | 746 | 675 | 2213  | 738     |
| 6      | PC-2067 | 464 | 403 | 436 | 1303  | 434     |
| 7      | PC-2068 | 730 | 690 | 720 | 2140  | 713     |
| 8      | PC-2069 | 634 | 622 | 660 | 1916  | 639     |
| 9      | PC-2070 | 661 | 686 | 673 | 2020  | 673     |
| 10     | PC-2071 | 390 | 378 | 362 | 1130  | 377     |

|    |         |     |      |     |      |      |
|----|---------|-----|------|-----|------|------|
| 11 | PC-2072 | 638 | 678  | 670 | 1986 | 662  |
| 12 | PC-2073 | 772 | 781  | 805 | 2358 | 786  |
| 13 | PC-2074 | 904 | 894  | 848 | 2646 | 882  |
| 14 | PC-2075 | 477 | 486  | 552 | 1515 | 505  |
| 15 | PC-2076 | 995 | 1022 | 990 | 3007 | 1002 |
| 16 | PC-2077 | 430 | 444  | 550 | 1424 | 475  |
| 17 | PC-2078 | 400 | 425  | 394 | 1219 | 406  |
| 18 | PC-2079 | 284 | 275  | 325 | 884  | 295  |
| 19 | PC-2080 | 397 | 529  | 453 | 1379 | 460  |
| 20 | PC-2081 | 284 | 292  | 262 | 838  | 279  |
| 21 | PC-2082 | 958 | 958  | 968 | 2884 | 961  |
| 22 | PC-2083 | 884 | 910  | 898 | 2692 | 897  |
| 23 | PC-2084 | 878 | 841  | 792 | 2511 | 837  |
| 24 | PC-2085 | 458 | 490  | 450 | 1398 | 466  |
| 25 | PC-2086 | 502 | 502  | 372 | 1376 | 459  |
| 26 | PC-2087 | 678 | 586  | 624 | 1888 | 629  |

Table 4.12 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRS Ghotki

| Sr.No. | Code    | R1  | R2  | R3   | Total | Average |
|--------|---------|-----|-----|------|-------|---------|
| 1      | PC-2062 | 875 | 911 | 847  | 2633  | 878     |
| 2      | PC-2063 | 958 | 911 | 840  | 2709  | 903     |
| 3      | PC-2064 | 918 | 911 | 1033 | 2863  | 954     |
| 4      | PC-2065 | 840 | 879 | 875  | 2594  | 865     |
| 5      | PC-2066 | 872 | 879 | 901  | 2651  | 884     |
| 6      | PC-2067 | 908 | 872 | 915  | 2694  | 898     |
| 7      | PC-2068 | 793 | 570 | 904  | 2267  | 756     |
| 8      | PC-2069 | 757 | 832 | 850  | 2440  | 813     |
| 9      | PC-2070 | 832 | 872 | 840  | 2544  | 848     |
| 10     | PC-2071 | 836 | 768 | 832  | 2436  | 812     |
| 11     | PC-2072 | 761 | 872 | 840  | 2472  | 824     |
| 12     | PC-2073 | 911 | 872 | 868  | 2651  | 884     |
| 13     | PC-2074 | 926 | 926 | 757  | 2608  | 869     |
| 14     | PC-2075 | 793 | 879 | 911  | 2583  | 861     |
| 15     | PC-2076 | 872 | 832 | 890  | 2594  | 865     |
| 16     | PC-2077 | 757 | 901 | 1030 | 2687  | 896     |
| 17     | PC-2078 | 875 | 832 | 840  | 2547  | 849     |
| 18     | PC-2079 | 908 | 951 | 947  | 2806  | 935     |
| 19     | PC-2080 | 901 | 710 | 761  | 2372  | 791     |
| 20     | PC-2081 | 796 | 843 | 872  | 2511  | 837     |
| 21     | PC-2082 | 911 | 840 | 929  | 2680  | 893     |
| 22     | PC-2083 | 872 | 872 | 872  | 2616  | 872     |

|    |         |     |     |     |      |     |
|----|---------|-----|-----|-----|------|-----|
| 23 | PC-2084 | 958 | 897 | 904 | 2759 | 920 |
| 24 | PC-2085 | 911 | 879 | 929 | 2720 | 907 |
| 25 | PC-2086 | 875 | 908 | 764 | 2547 | 849 |
| 26 | PC-2087 | 872 | 908 | 875 | 2655 | 885 |

Table 4.13 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRS Mirpurkhas

| Sr.No. | Code    | R1   | R2   | R3   | Total | Average |
|--------|---------|------|------|------|-------|---------|
| 1      | PC-2062 | 1827 | 2122 | 2340 | 6289  | 2096    |
| 2      | PC-2063 | 2321 | 2426 | 2599 | 7346  | 2449    |
| 3      | PC-2064 | 2166 | 1945 | 1833 | 5944  | 1981    |
| 4      | PC-2065 | 3151 | 3121 | 3164 | 9436  | 3145    |
| 5      | PC-2066 | 2918 | 2341 | 2666 | 7925  | 2642    |
| 6      | PC-2067 | 2376 | 2443 | 2333 | 7152  | 2384    |
| 7      | PC-2068 | 2921 | 3114 | 3016 | 9051  | 3017    |
| 8      | PC-2069 | 2716 | 2123 | 2817 | 7656  | 2552    |
| 9      | PC-2070 | 1982 | 1827 | 1653 | 5462  | 1821    |
| 10     | PC-2071 | 1928 | 1877 | 1773 | 5578  | 1859    |
| 11     | PC-2072 | 2321 | 2984 | 2545 | 7850  | 2617    |
| 12     | PC-2073 | 2387 | 3077 | 2666 | 8130  | 2710    |
| 13     | PC-2074 | 2763 | 3021 | 2947 | 8731  | 2910    |
| 14     | PC-2075 | 2912 | 2514 | 3001 | 8427  | 2809    |
| 15     | PC-2076 | 3155 | 2817 | 2918 | 8890  | 2963    |
| 16     | PC-2077 | 3212 | 3099 | 2988 | 9299  | 3100    |
| 17     | PC-2078 | 2938 | 2772 | 2872 | 8582  | 2861    |
| 18     | PC-2079 | 2019 | 1762 | 1872 | 5653  | 1884    |
| 19     | PC-2080 | 2234 | 2817 | 3091 | 8142  | 2714    |
| 20     | PC-2081 | 1820 | 2091 | 2120 | 6031  | 2010    |
| 21     | PC-2082 | 2471 | 1872 | 2912 | 7255  | 2418    |
| 22     | PC-2083 | 2716 | 2387 | 2212 | 7315  | 2438    |
| 23     | PC-2084 | 1821 | 1625 | 1872 | 5318  | 1773    |
| 24     | PC-2085 | 1928 | 2312 | 2312 | 6552  | 2184    |
| 25     | PC-2086 | 1880 | 1928 | 1982 | 5790  | 1930    |
| 26     | PC-2087 | 2312 | 2212 | 3121 | 7645  | 2548    |

Table 4.14 Seed Cotton Yield data of NCVT2020-21 Set D conducted at CRS Sibbi

| Sr.No. | Code    | R1   | R2   | R3  | Total | Average |
|--------|---------|------|------|-----|-------|---------|
| 1      | PC-2062 | 738  | 919  | 695 | 2353  | 784     |
| 2      | PC-2063 | 696  | 357  | 503 | 1557  | 519     |
| 3      | PC-2064 | 607  | 664  | 676 | 1947  | 649     |
| 4      | PC-2065 | 506  | 310  | 477 | 1293  | 431     |
| 5      | PC-2066 | 448  | 484  | 226 | 1157  | 386     |
| 6      | PC-2067 | 964  | 682  | 772 | 2419  | 806     |
| 7      | PC-2068 | 1037 | 1040 | 781 | 2858  | 953     |



|    |         |      |      |      |      |     |
|----|---------|------|------|------|------|-----|
| 8  | PC-2069 | 497  | 799  | 519  | 1815 | 605 |
| 9  | PC-2070 | 775  | 942  | 1126 | 2842 | 947 |
| 10 | PC-2071 | 666  | 400  | 314  | 1379 | 460 |
| 11 | PC-2072 | 740  | 829  | 632  | 2200 | 733 |
| 12 | PC-2073 | 321  | 186  | 158  | 666  | 222 |
| 13 | PC-2074 | 1081 | 1059 | 467  | 2607 | 869 |
| 14 | PC-2075 | 405  | 494  | 186  | 1084 | 361 |
| 15 | PC-2076 | 1055 | 971  | 703  | 2729 | 910 |
| 16 | PC-2077 | 896  | 357  | 509  | 1763 | 588 |
| 17 | PC-2078 | 691  | 659  | 536  | 1886 | 629 |
| 18 | PC-2079 | 754  | 638  | 281  | 1673 | 558 |
| 19 | PC-2080 | 624  | 579  | 559  | 1762 | 587 |
| 20 | PC-2081 | 174  | 72   | 95   | 341  | 114 |
| 21 | PC-2082 | 672  | 264  | 521  | 1456 | 485 |
| 22 | PC-2083 | 697  | 898  | 319  | 1914 | 638 |
| 23 | PC-2084 | 931  | 997  | 867  | 2796 | 932 |
| 24 | PC-2085 | 577  | 413  | 646  | 1636 | 545 |
| 25 | PC-2086 | 357  | 263  | 370  | 990  | 330 |
| 26 | PC-2087 | 443  | 977  | 560  | 1981 | 660 |

Table 4.15 Seed Cotton Yield data of NCVT2020-21 Set D conducted at SPDC, SAU, Tandojam



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