

Research Article



# Exploiting Potential of Production Paradigm to Sustain Rainfed Wheat Yield

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**Supplemental Table 1:** Mean wheat biomass (Bm) in t/ha, plant height (PHt) in cm and tiller numbers (TN)/m<sup>2</sup> as Environment × Management two-way data format.

|                       | Environment (E) |     |         |      |         |    |         |     |         |    |         |    | Mean | SD  | C   |  |
|-----------------------|-----------------|-----|---------|------|---------|----|---------|-----|---------|----|---------|----|------|-----|-----|--|
|                       | 2001-02         |     | 2002-03 |      | 2003-04 |    | 2004-05 |     | 2005-06 |    | 2006-07 |    |      |     |     |  |
|                       | Bm              | %D  | Bm      | %D   | Bm      | %D | Bm      | %D  | Bm      | %D | Bm      | %D |      |     |     |  |
| <b>Management (M)</b> |                 |     |         |      |         |    |         |     |         |    |         |    |      |     |     |  |
| SW1                   | 13.9            | -12 | 14.6    | -6   | 15.7    | 1  | 15.1    | -3  | 17.7    | 12 | 16.1    | 4  | 15.5 | 1.3 | 1.1 |  |
| SW2                   | 11.6            | -14 | 13.4    | 1    | 13.3    | 0  | 12.5    | -7  | 15.1    | 12 | 13.8    | 3  | 13.3 | 1.2 | 1.0 |  |
| SW3                   | 8.7             | -20 | 9.6     | -9   | 9.9     | -5 | 11.7    | 11  | 11.9    | 13 | 10.8    | 4  | 10.4 | 1.3 | 1.0 |  |
| SW4                   | 7.2             | -2  | 2.8     | -160 | 8.6     | 15 | 9.5     | 23  | 8.3     | 12 | 7.5     | 3  | 7.3  | 2.4 | 1.9 |  |
| Mean                  | 10.3            |     | 10.1    |      | 11.9    |    | 12.2    |     | 13.3    |    | 12.0    |    |      |     |     |  |
| SD                    | 3.0             |     | 5.3     |      | 3.2     |    | 2.3     |     | 4.1     |    | 3.7     |    |      |     |     |  |
| C                     | 2.9             |     | 5.2     |      | 3.2     |    | 2.3     |     | 4.0     |    | 3.6     |    |      |     |     |  |
|                       | PHt             | %D  | PHt     | %D   | PHt     | %D | PHt     | %D  | PHt     | %D | PHt     | %D |      |     |     |  |
| SW1                   | 108             | -5  | 110     | -3   | 113     | 0  | 111     | -1  | 122     | 7  | 114     | 1  | 113  | 5   | 4   |  |
| SW2                   | 102             | -2  | 105     | 1    | 105     | 2  | 94      | -11 | 112     | 7  | 104     | 1  | 104  | 6   | 5   |  |
| SW3                   | 80              | -15 | 91      | -2   | 92      | 0  | 97      | 5   | 100     | 8  | 93      | 1  | 92   | 7   | 5   |  |
| SW4                   | 80              | -1  | 61      | -31  | 85      | 5  | 89      | 9   | 87      | 7  | 81      | 1  | 81   | 10  | 8   |  |
| Mean                  | 92              |     | 92      |      | 99      |    | 98      |     | 105     |    | 98      |    |      |     |     |  |
| SD                    | 14              |     | 22      |      | 13      |    | 10      |     | 15      |    | 14      |    |      |     |     |  |
| C                     | 14              |     | 21      |      | 12      |    | 10      |     | 15      |    | 14      |    |      |     |     |  |
|                       | TN              | %D  | TN      | %D   | TN      | %D | TN      | %D  | TN      | %D | TN      | %D |      |     |     |  |
| SW1                   | 329             | -11 | 370     | 1    | 346     | -6 | 350     | -4  | 434     | 16 | 361     | -1 | 365  | 37  | 29  |  |
| SW2                   | 286             | -7  | 290     | -5   | 316     | 4  | 269     | -13 | 361     | 16 | 302     | -1 | 304  | 32  | 26  |  |

|      |     |    |     |     |     |    |     |    |     |    |     |    |     |    |    |
|------|-----|----|-----|-----|-----|----|-----|----|-----|----|-----|----|-----|----|----|
| SW3  | 209 | -9 | 166 | -37 | 231 | 1  | 261 | 13 | 271 | 16 | 225 | -1 | 227 | 38 | 30 |
| SW4  | 165 | 2  | 52  | 213 | 192 | 15 | 214 | 24 | 192 | 15 | 160 | -2 | 162 | 58 | 46 |
| Mean | 247 |    | 220 |     | 271 |    | 274 |    | 314 |    | 262 |    |     |    |    |
| SD   | 74  |    | 140 |     | 72  |    | 56  |    | 106 |    | 88  |    |     |    |    |
| C    | 72  |    | 137 |     | 71  |    | 55  |    | 103 |    | 86  |    |     |    |    |