**Table 7.** The best cultivars chosen on the basis of mean yield along with desirable significant b value for other traits under different densities.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CV | Y (t/f) | 1st | 2nd | 1st | | 2nd | 1st | | 2nd | | 1st | | 2nd | | 1st | | 2nd | | 1st | | 2nd |
| **Stability index of yield/fed** | | | | | **Regression coefficient for other traits** | | | | | | | | | | | **Desirable significant “b”**  **for other traits** | | | |
| **b** | | **S2d** | | | **bi>1** | | | **bi<1** | | | | **b=1** | | | |
| G1 | 4.74 | 1.15 | 1.16 | 0.001 | 0.002 | | a,c,h,i | a,c,d,e,g,h,i | | b,d,e,g | | f | | f | | B | | b,d,e,f,g,h,i | | b,d,e,f,g,h,i | |
| G2 | 4.52 | 1.10 | 1.09 | 0.002 | 0.001 | | F | f,i | | a,b,c,d,e,g,h | | a,c,d,e,g,h | | i | | B | | a,b, d,e,f,g,h,i | | a,b,d,e,f,g,h,i | |
| G3 | 4.23 | 1.00 | 1.00 | 0.001 | 0.001 | | b,c,g | a,c,f,h | | d,h | | d,g | | a,e,f,i | | b,e,i | | a,b,c,e,f,g,h | | a,b,c,e,f,g,h | |
| G4 | 4.09 | 0.99 | 0.99 | 0.001 | 0.001 | | d,e,g | e,g | | a,c,f,h | | a,b,c,d, f,h | | b,i | | I | | a,b,e,f,g,h | | b,d,e,f,g,h | |
| G5 | 3.18 | 0.76 | 0.75 | 0.001 | 0.001 | | b,c,d,f,g | b,c,d,h | | a,e,i | | a,e,g,i | | f,h | | F | | a,b,c,e,f,g,h | | a,b,d,e,f,g,h | |

a: Plant height, b: Branches, c: Leaves/plant, d: Leaf area, e: Chlorophyll, f: Pod length, g: Pod diameter, h: pods/plant, i: Yield/m2.

\*Y: Average yield over both seasons. G1: Nebraska G2: Giza6 G3: Valentino, G4: Bronko G5: Paulista