**VI. Evaluation of Mexican cultivars for its response to fertilizer input (2014-15)**

Five Mexican cultivars along with one check (NARI-57) of high oil entry were evaluated under three levels of fertilizer input viz., 100% NPK, 150% NPK and STCR based fertilizer (SSNM). Among the cultivars, check entry NARI-57 recorded the highest seed yield which was statistically similar to Mexican entry CCC-B2. Entries RC-1033-L and CW-99; CCC-B4 and Cianolies are statistically on par. Fertilizer levels did not statistically differ in influencing the seed yield of 6 entries. Interaction effect indicated that entry NARI-57 with 150% NPK and SSNM; CCC-B2 with SSNM recorded higher seed yields compared to all other combinations of six entries with three fertilizer levels combination.

**Table 16. Interaction of effect of Mexican entries and fertilizer on seed yield (kg/ha)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cultivar** | **Fertilizer** | | | |
| **100% NPK** | **150% NPK** | **SSNM** | **Mean** |
| Cianolies | 1200 | 1450 | 1450 | 1367 |
| CCC-B4 | 1500 | 1500 | 1300 | 1433 |
| RC-1033-L | 1700 | 1600 | 1900 | 1733 |
| CCC-B2 | 2000 | 2100 | 2500 | 2200 |
| CW-99 | 1500 | 1550 | 1900 | 1650 |
| NARI-57 | 2150 | 2350 | 2600 | 2367 |
| Mean | 1675 | 1758 | 1942 |  |
|  | S.Em± | C.D (p≤0.05) |  |  |
| Cultivars | 61 | 174 |  |  |
| Fertilizer | 43 | NS |  |  |
| Interaction | 105 | 301 |  |  |