**Selection of castor parents with high HI:**

20 breeding lines were evaluated to select lines with high HI during *rabi* 2015. This year crop experienced drought though few irrigations were given due to water scarcity in the farm. Only DCS-81 recorded tertiary seed yield.

**Table 1: Harvest index (HI) of breeding lines along with their seed yield and TDM at harvest**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Genotypes** | **HI (%)** | **Seed Yield (g/pl.)** | **TDM at harvest (g/pl.)** |
| 1 | K12-91-2 | 55.3 | 67.4 | 121.9 |
| 2 | K12-86-2 | 46.7 | 91.1 | 194.9 |
| 3 | DCS-81 | 45.9 | 68.4 | 148.9 |
| 4 | DPC-15 | 44.3 | 55.9 | 126.2 |
| 5 | DCS-84 | 44.0 | 47.6 | 108.2 |
| 6 | DCS-9 | 43.3 | 58.1 | 134.2 |
| 7 | DPC-17 | 43.1 | 87.1 | 202.0 |
| 8 | DCS-94 | 42.8 | 75.1 | 175.2 |
| 9 | K12-98-3 | 42.7 | 98.4 | 230.3 |
| 10 | DCS-78 | 42.7 | 94.5 | 221.1 |
| 11 | M-571 | 42.3 | 110.7 | 261.5 |
| 12 | DPC-16 | 42.3 | 74.6 | 176.4 |
| 13 | PVT-12-2 | 41.8 | 82.6 | 197.6 |
| 14 | DCH-519 | 39.3 | 122.8 | 312.1 |
| 15 | DCS-89 | 38.8 | 79.7 | 205.5 |
| 16 | DCS-97 | 38.6 | 44.2 | 114.4 |
| 17 | DCS-112 | 37.7 | 58.3 | 154.6 |
| 18 | DCS-119 | 35.0 | 88.2 | 252.3 |
| 19 | DPC-9 | 33.2 | 68.1 | 204.9 |
| 20 | DPC-21 | 28.9 | 76.9 | 266.3 |
| (c) | 48-1 | 43.1 | 73.6 | 170.5 |

Among the genotypes studied, breeding lines with 80-120g/pl. seed yield with 41.8-55.3%HI include k12-86-2, DPC-17, k12-98-3, DCS-78, M-571 and PVT-12-2.