**Multilocation evaluation of the identified accessions:** Thirty one already identified promising accessions for high yield and oil content were evaluated at three locations with two replications along with 2 checks (DRSF113 and Morden) at IIOR, Hyderabad, Solapur and Savalvihir. Eight germplasm accessions recorded higher yield than the national check (DRSF113). GMU-799 followed by GMU-189 and GP2 1217 recorded highest seed yield in evaluation trial (Fig1). These germplasm accessions will be provided to the AICRP centers for development of new populations and inbred development.

**Identification of trait specific germplasm:** Identification of trait specific germplasm lines is regular activity. The germplasm accessions which were identified during 2014 from working sunflower germplasm for high yield (40 -46g/plant), high oil (40-42%) and high test weight (9-10g/100 seeds) is presented in the following table.

**Table: Trait specific germplasm list (IIOR,Hyderabad)**

|  |  |  |
| --- | --- | --- |
| **Trait** | **Germplasm** | **Breeding material** |
| High yield (40 -46g/plant) | GMU-440;GMU-776;GMU189;GMU779;GMU-211,GMU286,GMU571,GMU1032,GMU 503 , GP91101 ; GMU 1075/EC-512683 , GMU 1108/ EC-512746 ,GMU438, GP6714,GP6271,GP6-571,GP6-951,GP61475,GP6-644,GP6-211,GP6-1227,GP6-286,GP2-1227, GP6-1254 , GP4-745  | ARM243B,CMS234B;17A;7-1A; |
| High oil (40-42%) | GMU-817,GMU-1199,GMU-1048,GMU-1116,GMU-242,GMU-205,GMU-1079,GMU-405,GMU-474,GMU-266,GMU-902,GMU-821GMU-366,GMU-673,GMU-42GMU-236,GMU-1200-1,GMU-830GMU-804, EC-601848, EC-601935, EC-601853 , EC-601827-1,EC601999EC601845,EC601999, EC601628  | 6D1 |
| High test weight (9-10g/100 seeds) | GMU-510 , GMU-525, GMU-556 , GMU-561 , GMU-1218, GP4-1723 , PSCRM-127  | -Nil- |