**Progress Report**

Under RKVY funded research project-“*Identification of salt tolerant scioin and rootstock in mango and low chill temperate fruits”*.

* 25 rootstocks of wild peach (*Prunus persica*) and 25 rootstocks of wild apricot (*Armeniaca vulgaris* Lam.) collected from Dar Kisan Nursery Batote on 31st December, 2017.
* Collected 40 rootstocks (10 Plum scion on Aloocha rootstocks (*Prunus vachuschtii*), 10 peach scion on Aloocha rootstocks (*Prunus vachuschtii*), 10 pear scion on Kainth Rootstoks (*Pyrus pashia*) and 10 pear scion on locally available rootstock (*Pyrus × bretschneideri*) from New Shri Laxmi Nursery at District Samba on 1st January, 2018.
* Collected 90 plants of Quince A, B & C series (30 each) rootstocks 25 rootstocks of Kainth Rootstoks (*Pyrus pashia*) from Horticulture Research Station /KVK, Dr. YS Parmar University of Horticulture and Forestry, Kandaghat, District - Solan, Himachal Pradesh.
* Wild peach and wild apricot rootstocks (25each) and 25 wild pomegranate plants (Daru) were collected from Dr. YS Parmar University of Horticulture and Forestry, Kandaghat, District – Solan.
* Wild types of mango stones (approximately 75 Kg) were collected from Jain Farms & Industries Pvt. Ltd., Bijnor on 21st July, 2018.
* Collected mango stones were sown under partially reclaimed sodic soils conditions at CSSRI, Experimental Farm, Karnal.
* Well grown seedlings of mango under partially reclaimed sodic soils, collected rootstocks of pear, peach and plum were planted at CSSRI, Experimental Farm.
* For the planting of mango, pear, peach and plum rootstocks at Nain Experimental farm layouts at Nain Experimental Farm pits were dig out after making the layout on 30/11/2018.
* **Equipments purchased:**

|  |  |
| --- | --- |
| **S. No.**  | **Name of the Items**  |
|  | CNS analyzer |
|  | Root Scanner with Software |
|  | Tree Canopy Analyzer |
|  | Digital Leaf Area Meter  |
|  | Refrigerated Centrifuge |
|  | Air conditioner  |
|  | High Resolution Video Camera |
|  | Muffle Furnace |
|  | Analytical Balance (min. capacity 0.001gm to 220gm) |
|  | Double door refrigerator |
|  | Digital EC and pH meter (Bench top) |
|  | Analytical Balance (min. capacity 1 gm to 10 kg) |
|  | Digital Refractometer |
|  | Portable Digital Thermometer and Hygrometer |
|  | Digital Lux meter |
|  | Microwave Oven (20L or better) |

**Output/Special attainments/ innovations**

**Training organized : 02 (**19-23 February, 2018 & 31st December, 2018 to 5th January, 2019**)**

**Beneficiary Farmers : 35**

**Exposure Visit :**

* Bajwa Mashroom Farm; Zero Budget Farming Model at Kurukshetra and Indo Israel Centre of Excellence at Ladwaon 21stFebruary, 2018.
* Hara Farm (Yamunanagar); Harbir Nursery (Shahbad) and Vermi compost Sikri Farm at Sahbadon 22nd February, 2018.

**Training Manuals : 03**

**Technical Bulletin : 01**

**Popular articles : 06**

**Germplasm/accession Collection,if any:**

* Rootstocks of wild peach (*Prunus persica*), wild apricot (*Armeniaca vulgaris* Lam.) Aloocha rootstocks (*Prunus vachuschtii*), Kainth Rootstoks (*Pyrus pashia*) and mango collected and under evaluation against salinity stress to identify the tolerant genotypes for commercial cultivation in salt-affected soils.

**Lecture Delivered : 01**