

KRA – 2019 - 20

CCSHAU, Hisar

- Prepared nethouse for keeping vegetable nursery insect free and isolate from other forest nursery plants .
- Set all the infrastructure and automation part for foggers and wet pad in polycarbonate house. (capacity – 2000 to 2500 plants per day in existing structure)
- Made them sufficient to do grafting in solanaceous and cucurbitaceous crop.
- Done trial part for different rootstocks.

Tomato (Walking tunnel)

Observation :

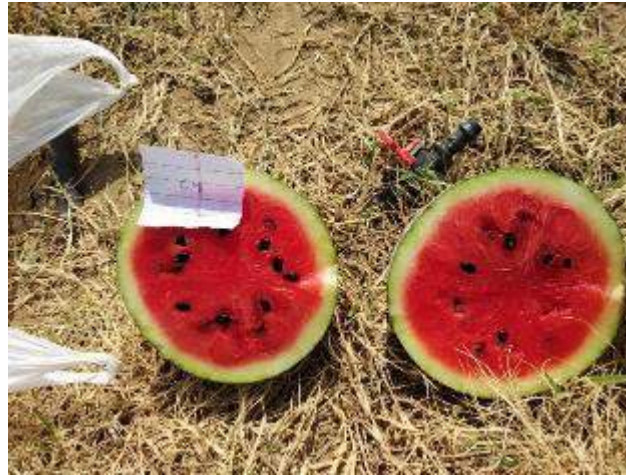
1. Yield of VNR Solato +Heemsona is about two times more than check plants (Non grafted Heemsona)
2. Yield of VNR Solato + Rakshak is about two to three times more than check plants (Non grafted Rakshak)
3. Mortality in rootstock is more due to phytophthora root rot .

Crop – Watermelon

Flesh colour and Taste



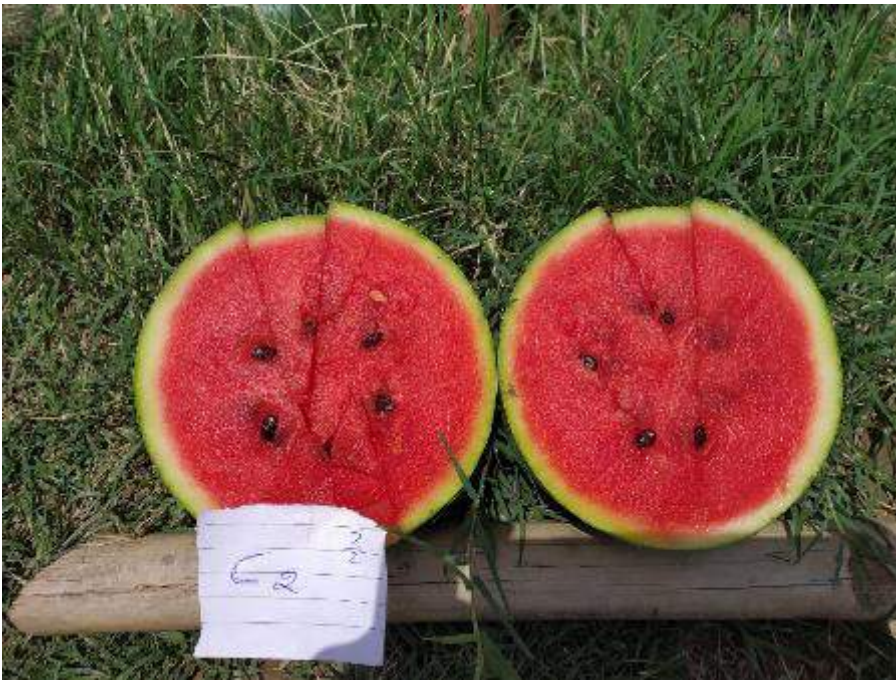
VNR Summerfit +simran



VNR Lagesi + Simran



Simran +simran



VNR Summerfit +Simran
TSS 14.7



VNR Lagesi +Simran
TSS 9.6

Conclusion :

- VNR Sahara and VNR Summerfit is suitable and best rootstock for grafted watermelon .
- Grafting in these RS increases TSS and quality of fruit (Observed that grafting decreases size of fruit which is acceptable in market)

VNR Summerfit + Mridula



VNR Maximo + Mridula



MUSK MELON

VNR Lagesi + mridula



Mridula+Mridula



Conclusion :

- Vigour and growth of crop is better in VNR Summerfit .
- VNR lagesi is not performing good with muskmelon crop even other bottle gourd var. are no performing well.

Cucumber

Observed that, grafting on VNR Sahara and VNR Summerfit have two time more yield than check .

Chilli field infected with Phytophthora wilt

Vill – Siswal
Vill- Shadhwa
Vill – Raipur



Successfully conducted 2 days nursery growing training programme of about 45 nursery growers from Kadapa (AP)

Course of content:

- Procedure of seed sowing
- Concept of irrigation and fertigation
- Concept of EC and pH



Vegetable grafting Module videos

- Started work in video editing of Vegetable Grafting Module with Mr. Mukesh sir .
- Prepared (80 %) video of chapter 1 “Grafting in Vegetable” of about 14 min .

At present responsibility

- Responsibility of nursery production in Gomchi including inplot , outplot
- Orchard responsibility in Inplot and Bharri plot
- Responsibility of dispatch from gomchi .

Till now from 26th may ,

VNR Guava -19859 plants

Konkon lemon – 389 plants

- Labour management at Gomchi
- Nematode count of samples