HORTICULTURE OFT 1: PERFORMANCE EVALUATION OF BITTER GOURD var. Kashi Mayuri & Kashi Pratistha (1st Year)

Crop – Bitter Gourd | **Farming Situation: Rainfed**

Problem with Severity: Low Yield and poor performance of existing cultivated variety

Kashi Mayuri

TECHNOLOGY TO BE ASSESSED

COMMON OFT

Treatment$_1$ - Kashi Mayuri
Treatment$_2$ - Kashi Pratistha
Treatment$_0$ - Palee – *Existing cultivated variety as check*

Alongwith recommended PoP

- *Application of recommended NPK @ 20:30:30kg/ha*
- *Adoption of recommended spacing of 1.0m x 1.5m*
- *Seed Rate – 2.5-3.0kg/hectare*

Kashi Pratistha

Source of Technology & Year of Release

ICAR – Indian Institute of Vegetable Research, Varanasi, UP - 2024

OBSERVATIONS TO BE RECORDED

1. No. of fruits per vine/plant
2. Length of fruit/polar diameter (cm)
3. Size of fruit/Equatorial diameter (cm)
4. Yield per plant (g)
5. Yield per hectare (q)
5. B:C ratio

No. of trials & location

03
Pangbalkawn, Thingdawl, Meldum

Area

0.3 ha

HORTICULTURE OFT 2: PERFORMANCE EVALUATION OF BRINJAL Variety - Kashi Modak & Kashi Brinjal Green Round (1st Year)

Crop – Brinjal | **Farming Situation: Rainfed**

Problem with Severity: Low Yield and poor performance of existing cultivated variety

Kashi Modak

TECHNOLOGY TO BE ASSESSED

Treatment$_1$ - Kashi Modak
Treatment$_2$ - Kashi Brinjal Green Round
Treatment$_0$ - Arka Navneeth – *Existing cultivated variety as check*

Alongwith recommended PoP

- *Application of recommended NPK @ 120:75:60kg/ha*
- *Adoption of recommended spacing of 45cm x 60cm*
- *Seed Rate – 250g/hectare*

Kashi BGR

Source of Technology & Year of Release

ICAR – Indian Institute of Vegetable Research, Varanasi, UP - 2024

OBSERVATIONS TO BE RECORDED

1. No. of fruits per vine/plant
2. Length of fruit/polar diameter (cm)
3. Size of fruit/Equatorial diameter (cm)
4. Yield per plant (g)
6. Yield per hectare (q)
6. B:C ratio

No. of trials & location

03
Kolasib, Thingdawl, Kawnpui village

Area:

0.3 ha

HORTICULTURE OFT 3: Assessment on Performance of Bio-fortified Varieties of Sweet Potato– Bhu Krishna, Bhu Sona & Bhu Kanti (1st Year)

Crop – Sweet Potato | **Farming Situation: Rainfed**

Problem with Severity: Un-availability of Bio-fortified varieties of Sweet Potato

Source of Technology & Year of Release

Central Tuber Crop Research Institute (CTCRI), Thiruvananthapuram, Kerala – 2017

No. of trials & location

03 trials
Kolasib, Champhai & Buhchangphai village

TECHNOLOGY TO BE ASSESSED

T$_1$ - Bhu Krishna
T$_2$ - Bhu Sona
T$_3$ - Bhu Kanti
T$_0$ - Local Variety

Along with recommended pop

- Seed Rate 52,000 cuttings/ha
- Recommended spacing of 25cm x 60cm
- Application of recommended dose of NPK @ 60kg:40kg:60kg/ha

OBSERVATIONS/ PARAMETERS TO BE RECORDED

1. No. of tuber per plant
2. Average weight of tuber (g)
3. Duration (days)
4. Yield per plant (kg)
6. Yield (q/ha)
6. B:C Ratio

Bhu Krishna

Bhu Sona

Bhu Kanti