

AGRONOMY OFT 1: VARIETAL EVALUATION OF RICE – RC Maniphou-16 & RC Maniphou-16
(1st Year)

Crop – **Rice**

Farming Situation: **Rainfed**

Problem with Severity: **Low productivity of existing local rice variety**

TECHNOLOGY TO BE ASSESSED

- T₁ – RC Maniphou 15 (120-150 days)
T₂ – RC Maniphou 16 (120-150 days)
T₀ – Guaroi (135 days)

Along With Recommended Package Of Practices

- Seed Rate 60kg/ha
- DAS: 2nd fortnight of July (Direct seeded)
- Application of recommended **NPK** dose of 60kg:40kg:40kg NPK/ha

Source of Technology & Year of Release

ICAR-Regional Centre for NEH Region, Manipur Centre, Lamphelpat, Imphal West, 2022.

OBSERVATIONS /PARAMETERS TO BE RECORDED

1. Plant height (cm)
2. Number of effective tillers per hill
3. Panicle length (cm)
4. Number of grains panicle
5. Duration (No. of days)
6. Test weight (gm)
7. Grain Yield (q/ha)
8. B:C ratio

No. of trials & location

03
Buhchangphal, Chemphal, Meldum

Area:
0.9 ha

AGRONOMY OFT 2: VARIETAL EVALUATION OF RICE – RC Maniphou-12

(1st Year)

Crop – **Rice**

Farming Situation: **Rainfed**

Problem with Severity: **Low productivity and long duration of existing local rice variety**

TECHNOLOGY TO BE ASSESSED

- T₁ – RC Maniphou 12 (95-105 days)
T₂ – CAUR-3 (90-105 days)
T₀ – Ranjit (135-140 days)

Along with recommended package of practices

- Seed Rate 60kg/ha
- DAS: 2nd fortnight of July (Direct seeded)
- Application of recommended **NPK** dose of 60kg:40kg:40kg NPK/ha

COMMON OFT

Source of Technology & Year of Release

ICAR-Regional Centre for NEH Region, Manipur Centre, Lamphelpat, Imphal West, 2012. & Central Agricultural University (CAU), Imphal, Manipur. 2012

OBSERVATIONS /PARAMETERS TO BE RECORDED

1. Plant height (cm)
2. Number of effective tillers per hill
3. Panicle length (cm)
4. Number of grains panicle
5. Duration (No. of days)
6. Test weight (gm)
7. Grain Yield (q/ha)
8. B:C ratio

No. of trials & location

03
Buhchangphal, Chemphal, Meldum

Area:
0.9 ha

AGRONOMY OFT 03: VARIETAL EVALUATION OF IMPROVED VARIETY OF SUNFLOWER

(2nd Year)

Crop - **Sunflower**

Farming Situation: **Rainfed**

Problem with Severity: **Unavailability of identified suitable variety**

TECHNOLOGY TO BE ASSESSED

- T₁ – KBSH 78 (82-85 duration)
T₀ – COH 3 (92-95 duration)

1. Spacing 60cm x 30 cm (RR x PP)
2. Seed soaking with 2% ZnSO₄ & seed treatment with Carbendazim @ 2g/kg
3. DoS: *Kharif* (May/June) & *Rabi* (Nov)



Source of Technology & Year of Release

AICRP on Sunflower University of Agricultural Sciences, Bengaluru, Karnataka- 2018 & TNAU, Coimbatore 2018

OBSERVATIONS /PARAMETERS TO BE RECORDED

1. Plant height (cm)
2. Head Diameter (cm)
3. Seed weight/plant (g)
4. Oil Content (%)
5. Number of seeds/head
6. Seed yield (kg/ha)
7. B:C Ratio

No. of trials & location

03
Balrabi, Kawnpui & Thingdawl village

Area:
0.9 ha