

Upland Rice Varieties

Bhalum 3 : A late maturing high yielding rice for mid to low altitude upland ecosystem. Grains are bold and kernel is white with distinct chalk. Yield potential 3.5 to 3.8 t/ha. Yield advantage over Bhalum 1 is about 20%.



Bhalum 4 : A long duration upland genotype for mid to low altitude upland ecosystem. Grains are long bold, kernel is white and slightly chalky at the centre. Yield potential 3.8 – 4.2 t/ha. Yield advantage over Bhalum 1 is about 22%.



Bhalum 1 and Bhalum 2 are other two upland varieties released in 2002

Cold Tolerant Rice Variety

NEH Megha Rice 3 : A dwarf variety with cold tolerance at both reproductive and vegetative phase. Can tolerate low solar radiation. Grains are medium bold and the meet quality standards for export quality japonica rice. Suitable for high altitude areas of Meghalaya,



Megha Rice 1 & 2 are other two cold tolerant varieties released by the institute



Varieties for Meghalaya

Lowland Rice Varieties

Megha SA1 : A late maturing, long grain (L/B ratio 5.47), medium aromatic rice genotype suitable for mid to low altitude lowland ecosystem. Unlike traditional Basmati genotypes, this genotype retains medium level basmati type aroma. Yield about 66% higher than local Joha. Tested across the NEH region and found good yielding.



Megha SA2 : A late maturing, long slender grain (L/B ratio 4.26) variety with awn, medium aromatic genotype suitable for mid to low altitude lowland ecosystem. Kernels are red coloured and on controlled polishing gives characteristics look of pounded rice. Yield about 77% higher than local Joha. Tested at various locations in the state and across the NEH region and found good yielding.



Shasarang and Lumpnah are the other two lowland varieties released in 2002

Pulses

Rice bean:

RCRB 1-6
Yield- 1.5-1.7 t/ha
Maturity- 115-130 days



RCRB 1-6: a high yielding variety of ricebean

RCRB 76
Yield- 1.6 t/ha
Maturity- 115-120 days

Photo-insensitive ricebean:



Flowering in photosensitive (left) and no flowering in photosensitive (right) ricebean in summer season

Maize

What we are offering

RCM 1-1 and RCM 1-3 are normal maize composites suitable for Meghalaya. RCM1-2 is a popcorn suitable for Meghalaya

Because these are composites, seed production is easier and less costly compared to hybrids

RCM1-3 has lysine content close to QPMs. Therefore, highly potential as animal feed

Grains are hard compared to normal QPM. Therefore, keeping quality is better. Less damage in storage and transport

RCM -75 and RCM -76 are new composites developed for Meghalaya.



Oilseeds

Soybean

RCS 1-1
Yield- 2.59 t/ha
RCS 1-9
Yield – 3.16 t/ha
RCS 1-10
Yield- 2.91 t/ha



Performance of Soybean genotype (RCS 1-9) in upland condition

Toria

RCT 2
Yield – 6.6 q/ha
SCRT 1-2
Yield – 6.87 q/ha
RCT 1
Yield – 6.07 q/ha



Performance of a Toria composite (RCT2)

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Megha SA 1

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Megha SA 2

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Cold Tolerant Rice Variety

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Grains are medium bold and the meet quality standards for export quality japonica rice.

Suitable for high altitude areas of Meghalaya, Mizoram, Nagaland



NEH Megha Rice 3

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Pulses

Rice bean:

RCRB 1-6:

Yield- 1.5-1.7 t/ha
Maturity- 115-130 days

RBS 16

Yield- 1.6 t/ha
Maturity- 115-120 days

Photo-insensitive ricebean:

RCRB 2 and RCRB 3

Yield- 0.8-0.9 t/ha
Maturity- 100-110 days (Spring)
85-90 days (Kharif)



RCRB 1-6: a high yielding variety of ricebean



Flowering in photoinsensitive (left) and no flowering in photosensitive (right) ricebean in summer season

Oilseeds



Performance of Soybean genotype (RCS 1- 9) in upland condition

RCS 1-1

Yield- 2.59 t/ha

RCS 1- 9

Yield – 3.16 t/ha

RCS 1-10

Yield- 2.91 t/ha

Toria

RCT -2

Yield – 6.6 q/ha

SCRT 1-2

Yield – 6.87 q/ha

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Yield – 6.07 q/ha



Performance of a Toria composite (RCT2)