

Bioassay Performance

Characteristics	S-1635	C-2038
Weight of 10 Larvae [g]	43.73	46.00
Single Cocoon Weight [g]	1.556	1.658
Single Shell Weight [g]	0.284	0.300
Shell Ratio [%]	18.25	18.68
ERR [%]	92.60	96.00
Yield/100 dfls [Kg]	57.50	63.50
Laboratory performance of BCON1 × BCON4		

Package of Practices

Practices	Irrigated	Rainfed
Spacing	60 × 60 cm	90 × 90 cm
Planting Method	Pit System	Pit System
Manure (FYM)	20 t/ha in two splits	10 t/ha in one time
Fertilizer (N:P:K kg/ha/y)	336 : 180 : 112	150 : 50 : 50
Crops/Year (No.)	5	3
Harvesting Method	Shoot Harvest	Shoot & Leaf Harvest

ADVANTAGES OF C-2038

- ✓ Higher leaf yield and quality
- ✓ Quick regeneration capacity with high vigour
- ✓ Good propagation through stem cuttings
- ✓ High rooting ability and prominent buds
- ✓ Moderately tolerant to foliar leaf spot diseases & sucking insect pests
- ✓ Suitable for growing as high bush plantation or small trees
- ✓ Suitable for both irrigated and rainfed conditions of Eastern & North-Eastern India



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C-2038

New Mulberry Variety for Irrigated & Rainfed Conditions



CSRTI

Central Sericultral Research & Training Institute
Central Silk Board, Ministry of Textiles
Govt. of India, Berhampore, West Bengal

C – 2038

High Yielding Mulberry Variety for Irrigated & Rainfed Conditions

C-2038 is a high yielding mulberry variety recommended for Eastern & North Eastern states. It is most suitable for cultivation under irrigation and rainfed conditions with recommended package of practices. The leaf yield potential of C-2038 is 54 t/ha/year in five crop schedule of shoot harvest under irrigation and 17-21 t/ha/year in three crop schedule under rainfed condition.

C-2038 variety is hybrid of CF₁-10 & C-763 characterized by erect growth with slightly curved branches bearing large thick glabrous dark-green leaves with high moisture content [78.50%]. The foliage is of excellent quality and ideal for silkworm rearing.

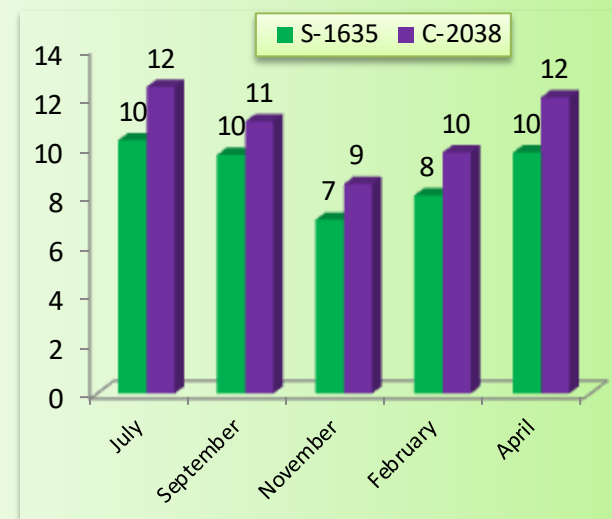


COMPARATIVE PERFORMANCE

Agronomical Characteristics

Parameters	S-1635	C-2038
Leaf Yield [t/ ha/y]	44-45 (irrigated) 12-17 (rainfed)	53-54 (irrigated) 17-21 (rainfed)
Shoots/Plant [Number]	9	11
Total Shoot Length / plant [cm]	1000	1128
Leaf	Rough with serrate margins; stipulate base; acute apex	Smooth large greenish with dentate margin; cordate base; acuminate apex
Plant	Erect growth with straight greenish-brown branches	Semi erect with slightly curved greyish-white branches
Regeneration	8-10 days after pruning	9 -11 days after pruning
Rooting of Cuttings (%)	78.50	78.50
Resistance to Pest & Diseases	Susceptible to leaf spot diseases & sucking pests	Moderately resistant to leaf spot diseases & sucking pests

Leaf Yield (t/ha/crop)



Leaf Nutritional Characteristics

Characteristics	S-1635	C-2038
Total Soluble Protein [mg g ⁻¹ fw]	31.20	32.50
Total Soluble Sugar [mg g ⁻¹ fw]	32.80	37.52
Total Chlorophyll [mg g ⁻¹ fw]	2.28	2.98
Fresh Leaf Moisture [%]	78.79	79.36
Moisture Retention Capacity after 6hrs of Storage [%]	77.01	77.90