

CHAWKI REARING PERFORMANCE

	G2	S36	V1
Moulting percentage after II moult	97.40	98.10	97.40
Weight of ten larvae after II moult [g]	0.435	0.380	0.400

CSR Hybrid

PACKAGE OF PRACTICES

Spacing	(150 + 90) x 60 cm
Manure (FYM)	40 mt/ha/year in two splits after I and V harvests
Chemical fertilizer (N:P:K kg/ha/year)	260:140:140 in 8 equal doses
Form of chemical fertilizers	Straight
Irrigation	1.5 acre-inch at an interval of 7-10 days
No. of crops/year	Eight. Alternate leaf picking and shoot harvest

ADVANTAGES

- Suitable for young-age [chawki] silkworm rearing
- Yields 33% more chawki leaves than S36 and 20% more than V1
- Good rooting ability and easily propagated through cuttings
- Quick regeneration capacity
- Moderately resistant to leaf spot and leaf rust



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G2

A MULBERRY VARIETY FOR YOUNG-AGE [CHAWKI] SILKWORM REARING



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G2

A MULBERRY VARIETY FOR CHAWKI REARING

G2 is a high yielding mulberry variety recommended for raising mulberry gardens exclusively for young-age silkworm [chawki] rearing. With succulent foliage, G2 is most suited for chawki rearing. G2 variety, under assured irrigation and recommended package of practices, has a leaf yield potential of 38 mt/ha/year, in 8 crop schedule of alternate leaf picking and shoot harvest.

The variety is a hybrid of *Morus multicaulis* and S34 and is characterized by erect branches, thick dark-green leaves, high moisture content [80.30%], high moisture retention [83.40%], high sprouting [96%] and rooting [94%] ability.



AGRONOMICAL DESCRIPTIONS			
	G2	S36	V1
Chawki leaf yield (mt/ha/yr.)	38.00	27.94	31.86
No. of shoots/plant	10 - 12	8-10	10.12
Total shoot length (cm)	1170	924	1280
Inter-nodal distance (cm)	4.50	3.53	5.20
Leaf size (cm)	L: 21-24 B: 16-19	L: 20-23 B: 16-19	L: 20-23 B: 13-15
Leaf shape	Entire, Cordate	Entire, Cordate	Entire, Ovate
Leaf surface	Smooth, glossy, wavy	Smoothg lossy, pale green	Smoothg lossy, dark green
100 leaf weight (g)	460	465	560
Sprouting (30 th day)	96%	70%	90%
Rooting (90 th day)	94%	48%	94%



LEAF QUALITY PARAMETERS			
	G2	S36	V1
Nitrogen (%)	4.21	4.05	4.19
Phosphorus (%)	0.32	0.32	0.33
Potassium (%)	2.20	2.21	2.14
Protein (%)	26.31	25.31	26.19
Total Sugars (%)	12.85	11.89	12.13
Reducing sugars(%)	1.46	1.45	1.41
Starch (%)	11.06	11.96	11.90
Total carbohydrates (%)	23.91	23.85	24.03
Fibre content (%)	10.74	10.73	10.73
Total chlorophyll content [mg/g FW]	3.654	3.252	3.726
Moisture content (%)	80.30	79.90	80.10
Moisture retention after 6 hours of harvest (%)	83.40	82.90	83.20

