Technology Profile for Guava cv. RCG-11

1	Name of the Institute	ICAR Research Complex for NEH Region, Umiam, Meghalaya-793103
2	Address	Street: Umroi Road City: Shillong Pin Code: 793 103 Telephone: 0364-2570678
3	Description of technology	Plant growth semi spreading type, medium size fruit (110-145 g) size, light green colour at maturity, pulp white, sweet taste, less seed, TSS (11.2-11.4%), acidity (0.36%) and Ascorbic acid content (205-215 mg). Suitable for fresh consumption.
4	Flow chart of technology/process	Multiplication of planting material through wedge grafting during February- March on one year old pencil thickness rootstock.
5	Area of application	Nursery
6	Patent number & Date of filing	Not filed
7	If patent is not filed, mention in which year the technology was developed?	Technology was developed in the year 1998-99 and refined during 2007-09
8	Did any entrepreneur has shown interest on this technology? If yes, please provide the name, address of the entrepreneur	Nil Nil
9	Equipment required	Shade net house for plant multiplication
10	Space requirement	100 m^2
11	Plant set up cost	Rs 1.5 lakh approx.
12	Raw material and production cost	Total production cost of Rs. 15-20/plant
13	Risks/opportunities involved in adopting the technology	
14	Cost of available alternate technologies to similar products	Not popular in this part of country
15	Expected cost of technology (Royalty/Equity/Revenue mode	Rs. 1.0 lakh
16	Any suggestion from Project leader for commercializing this technology	

Persons involved in technology development

1. Dr Ram Chandra, Principal Scientist, NRC on Pomegranate, Sholapur
2. R. K. Patel, Scientist, Div. of Horticulture
3. Dr Bidyut C. Deka, PS & Head, Div. of Horticulture

Guava RCG-11

1.	Quality parameters	Very less seed, TSS (11.2-11.4%), acidity (0.36%) and Ascorbic acid content (205-215 mg/100 g).
2.	Site characterization	Suitable for mid hill sub tropics of Meghalaya
3.	Varietal characteristics	Plant growth semi spreading type. Medium size fruit, light yellowish white colour at maturity, pulp white, sweet taste, few seed, High TSS content, less acidity and fairly good ascorbic acid content. Fruits are suitable for table as well as processing purpose.
4.	Commercial aspects	Large scale production of quality planting material and fruit suitable for fresh consumption

Technology Profile for Guava cv. RCGH-1

1	Name of the Institute	ICAR Research Complex for NEH Region, Umiam, Meghalaya-793103
2	Address	Street: Umroi Road City: Shillong Pin Code: 793 103 Telephone: 0364-2570678
3	Description of technology	It is a hybrid of Sour type x Red fleshed local. Plant growth upright erect type. Fruit medium in size. Yellowish green in colour with red dots at ripening. Fruit suitable for fresh as well as processing purpose.
4	Flow chart of technology/process	Multiplication of planting material through wedge grafting during February- March on one year old rootstock having pencil thickness.
5	Area of application	Nursery
6	Patent number & Date of filing	Not filed
7	If patent is not filed, mention in which year the technology was developed?	Technology was developed in the year 1998-99 and refined during 2007-09
8	Did any entrepreneur has shown interest on this technology? If yes, please provide the name, address of the entrepreneur	Nil Nil
9	Equipment required	Shade net house for plant multiplication
10	Space requirement	100 m^2
11	Plant set up cost	Rs 1.5 lakh approx.
12	Raw material and production cost	Total production cost of Rs. 15-20/plant
13	Risks/opportunities involved in adopting the technology	
14	Cost of available alternate technologies to similar products	Not popular in this part of country
15	Expected cost of technology (Royalty/Equity/Revenue mode	Rs. 1.0 lakh
16	Any suggestion from Project leader for commercializing this technology	
17	Quality Parameter	TSS (11-11.2%), acidity (0.39-0.40%) and Ascorbic acid content (225-245 mg/100 g).
18	Varietal characteristics	Fruit medium (125-160 g) size, yellowish green in colour with red dots at ripening, pulp creamy white, sweet taste, Fruiting 10-15 days earlier than other guava variety. Suitable for fresh consumption.

Persons involved in technology development

1. Dr Ram Chandra, Principal Scientist, NRC on Pomegranate, Sholapur
2. R. K. Patel, Scientist, Div. of Horticulture
3. Dr Bidyut C. Deka, PS & Head, Div. of Horticulture

Guava RCGH-1

1.	Quality parameters	TSS (11-11.2%), acidity (0.39-0.40%) and Ascorbic acid content (240-255mg/100 g).
2.	Site characterization	Suitable for mid hill sub tropics of Meghalaya
3.	Varietal characteristics	Hybrid of Sour type X Red fleshed local. Plant growth upright erect with dark green broad leaves. Fruit medium (125-160 g) size, greenish yellow in colour with red dots at ripening, pulp white, sweet taste, Fruiting 10-15 days earlier than other guava variety. Suitable for fresh consumption.
4.	Commercial aspects	Large scale production of quality planting material and fruit suitable for fresh consumption

Technology Profile for Guava cv. RCGH-4

1	Name of the Institute	ICAR Research Complex for NEH Region, Umiam, Meghalaya-793103
2	Address	Street: Umroi Road City: Shillong Pin Code: 793 103 Telephone: 0364-2570678
3	Description of technology	It is a hybrid of Red fleshed x Allahabad Safeda. Plant vigorous and erect in growth. Fruit medium to bigger in size, greenish yellow colour at maturity, pulp red, sweet in taste and suitable for processing purpose.
4	Flow chart of technology/process	Multiplication of planting material through wedge grafting during February- March on one year old pencil thickness rootstock.
5	Area of application	Nursery
6	Patent number & Date of filing	Not filed
7	If patent is not filed, mention in which year the technology was developed?	Technology was developed in the year 1998-99 and refined during 2007-09.
8	Did any entrepreneur have shown interest on this technology? If yes, please provide the name, address of the entrepreneur	Nil Nil
9	Equipment required	Shade net house for plant multiplication
10	Space requirement	100 m^2
11	Plant set up cost	Rs 1.5 lakh approx.
12	Raw material and production cost	Total production cost of Rs. 15-20/plant
13	Risks/opportunities involved in adopting the technology	
14	Cost of available alternate technologies to similar products	Not popular in this part of country
15	Expected cost of technology (Royalty/Equity/Revenue mode	Rs. 1.0 lakh
16	Any suggestion from Project leader for commercializing this technology	

Persons involved in technology development

1. Dr Ram Chandra, Principal Scientist, NRC on Pomegranate, Sholapur
2. R. K. Patel, Scientist, Div. of Horticulture
3. Dr Bidyut C. Deka, PS & Head, Div. of Horticulture

Guava RCGH-4

1.	Quality parameters	TSS (10-10.4%), acidity (0.45-0.58%) and Ascorbic acid content (200-215 mg/100 g),
2.	Site characterization	Suitable for mid hill sub tropics of Meghalaya
3.	Varietal characteristics	Hybrid of Red fleshed X Allahabad Safeda. Plant growth vigorous and erect. Fruit medium to big size (170–200 g), greenish yellow colour at maturity, pulp red, sweet taste, suitable for processing purpose.
4.	Commercial aspects	Large scale production of quality planting material and fruit suitable for processing purpose.

Technology Profile for Guava cv. RCGH-7

1	Name of the Institute	ICAR Research Complex for NEH Region, Umiam, Meghalaya-793103
2	Address	Street: Umroi Road City: Shillong Pin Code: 793 103 Telephone: 0364-2570678
3	Description of technology	Hybrid of Lucknow-49 x Pear shaped guava. Plant growth drooping type with medium size fruit, light green in colour at maturity, pulp white, sweet taste and seed content less. High TSS and low acid content with fairly good in ascorbic acid content. Suitable for fresh as well as for processing purpose.
4	Flow chart of technology/process	Multiplication of planting material through wedge grafting during February- March on one year old pencil thickness rootstock.
5	Area of application	Nursery
6	Patent number & Date of filing	Not filed
7	If patent is not filed, mention in which year the technology was developed?	Technology was developed in the year 1998-99 and refined during 2007-09.
8	Did any entrepreneur has shown interest on this technology? If yes, please provide the name, address of the entrepreneur	Nil Nil
9	Equipment required	Shade net house for plant multiplication
10	Space requirement	100 m^2
11	Plant set up cost	Rs 1.5 lakh approx.
12	Raw material and production cost	Total production cost of Rs. 15-20/plant
13	Risks/opportunities involved in adopting the technology	
14	Cost of available alternate technologies to similar products	Not popular in this part of country
15	Expected cost of technology (Royalty/Equity/Revenue mode	Rs. 1.0 lakh
16	Any suggestion from Project leader for commercializing this technology	

Persons involved in technology development

1. Dr Ram Chandra, Principal Scientist, NRC on Pomegranate, Sholapur
2. R. K. Patel, Scientist, Div. of Horticulture
3. Dr Bidyut C. Deka, PS & Head, Div. of Horticulture

Guava RCGH-7

1.	Quality parameters	TSS: 11.4-11.8%, acidity: 0.31-0.35% and Ascorbic acid content: 210-225mg/100 g.
2.	Site characterization	Suitable for mid hill sub tropics of Meghalaya
3.	Varietal characteristics	Hybrid of Lucknow-49 x Pear shaped guava. Plant growth drooping type, medium size fruit (115-150 g) size, light green in colour at maturity, pulp white, sweet taste, less seed content.
4.	Commercial aspects	Large scale production of quality planting material and fruit suitable for fresh and processing purpose.