



GOVT.OF ASSAM  
DIRECTORATE OF HORTICULTURE & FOOD PROCESSING  
ASSAM, KHANAPARA, GUWAHATI - 22  
e-mail.directorhortiassam@gmail.com

No.Hort.FP/390/SOF/2017-18/194

Dated: 19-05-2020

From: Shri. A. Jalil  
Director of Horticulture & FP  
Assam, Khanapara, Guwahati-22

To: The General Manager  
The Assam Cooperative Apex Bank Ltd.  
Head Officer, Panbazar, Guwahati-1

Sub: Scale of Finance of Horticultural Crops for the year 2020 -21

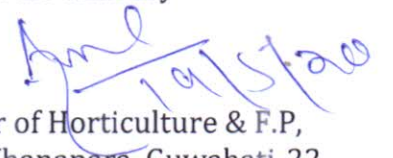
Ref: No. ACAB-HQ/HO/DAAA/SOF/2020/140 Date:21-04-2020

Sir,

With reference to the subject cited above, I am enclosing herewith the scale of Finance of Horticultural Crops for the year 2020-21 prepared for different Horticultural crops. This is for favour of your information and needful action.


Encl: As stated

Yours faithfully

  
Director of Horticulture & F.P,  
Assam, Khanapara, Guwahati-22

Memo No.Hort.FP/390/SOF/2017-18/194 - A Dated: 19-05-2020 Copy to:

1. P.S to The Joint Director of Agriculture (C&F), Assam, Khanapara, Guwahati-22 for favour of kind information.

  
Director of Horticulture & F.P,  
Assam, Khanapara, Guwahati-22

# Scale of Finance of different Horticultural Crops for 2020-2021

(Cost per hectare)

## 1) POTATO

Sl No	Item	Unit	Quantity In kgs.	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds (Tuber)	QTLs.	2250	38.5	86625.00	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	Azotobacter	Kg	8	55.5	440.00	
4	PSB	Kg	8	55	440.00	
5	UREA	Kg	66	8.5	561.00	
6	SSP	Kg	234	8.8	2059.20	
7	MOP	Kg	83	1850	1535.50	
8	Land preparation		3300	LS		
9	PP Chemicals		1650	LS		
10	Irrigation		1100	LS		
11	Wages	Nos	120	275.00	33000.00	
12	Misc		1650			
13	Insurance @ 5%				6908.00	
	<b>Total =</b>				145068.70	
				Say =	145069.00	139100.00

Total cost per ha : Rs. 145069.00  
 Expected production per ha : Rs. 28.00 MT  
 Expected price : Rs. 1500.00  
 Expected income : Rs. 4,20,000.00 per Ha  
 Cost Benefit Ratio : Rs. 1:2.895

N.B.:10% variation in input costs may be accepted.

## 2) CABBAGE

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds (Tuber)	Kg	0.450	22,990	10345.50	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	Azotobacter	Kg	4	55	220.00	
4	PSB	Kg	4	55	220.00	
5	UREA	Kg	130	8.5	1105.00	
6	SSP	Kg	270	8.8	2376.00	
7	MOP	Kg	90	18.50	1665.00	
8	Land preparation			LS	2200.00	
9	PP Chemicals			LS	1100.00	
10	Irrigation			LS	2200.00	
11	Wages	Nos	180	275	49500.00	
12	Misc			LS	1100.00	
13	Insurance @ 5%				4277.00	
	<b>Total =</b>				89808.5	
			Say =		89809.00	81428.00

Total cost per ha : Rs. 89809.00  
 Expected production per ha : Rs. 22 MT  
 Expected price : Rs. 14.30  
 Expected income : Rs. 3,14,600.00  
 Cost Benefit Ratio : Rs. 1:3.5

N.B.:10% variation in input costs may be accepted.

Director of Horticulture & F.P,

# Scale of Finance of different Horticultural Crops for 2020-2021

(Cost per hectare)

## 3) CAULIFLOWER

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	0.450	25400	11430	
2	FYM or Compost	Kg	10000	135	13500	
3	Azortobacter	Kg	4	55	220	
4	PSB	Kg	4	55	220	
5	UREA	Kg	130	8.5	1105	
6	SSP	Kg	270	8.80	2376	
7	MOP	Kg	90	17.80	1602	
8	Land preparation			LS	2200	
9	PP Chemicals			LS	1300	
10	Irrigation			LS	2200	
11	Wages	Nos	180	27500	49500	
12	Misc			LS	1100	
13	Insurance @ 5%				4338	
	<b>Total =</b>				91091.00	
				Say=	91091.00	82677.00

Total cost per ha : Rs. 91091.00  
 Expected production per ha : Rs.2000 MT/Ha  
 Expected price : Rs. 1350.00/Qtls  
 Expected income : Rs. 270000.00  
 Cost Benefit Ratio : Rs. 1:2.96

N.B.:10% variation in input costs may be accepted.

## 4) KNOLKHOL

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds (Tuber)	QTLs.	0.450	13310.00	5990.00	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	Azortobacter	Kg	4	55.00	220.00	
4	PSB	Kg	4	55.00	220.00	
5	UREA	Kg	130	8.5	1105.00	
6	SSP	Kg	270	8.80	2376.00	
7	MOP	Kg	90	17.80	1602.00	
8	Land preparation			LS	2200.00	
9	PP Chemicals			LS	1300.00	
10	Irrigation			LS	2200.00	
11	Wages	Nos	180	275.00	49500.00	
12	Misc			LS	1100.00	
13	Insurance @ 5%				4066.00	
	<b>Total =</b>				85379.00	
				Say=	85379.00	77480.00

Total cost per ha : Rs. 85370.00  
 Expected production per ha : Rs. 15 00MT/Ha  
 Expected price : Rs.1400.00/Qtls  
 Expected income : Rs.2,10,000.00  
 Cost Benefit Ratio : Rs.1:2.46

N.B.:10% variation in input costs may be accepted.

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# Scale of Finance of different Horticultural Crops for 2020-2021

(Cost per hectare)

## 5) TOMATO

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds (Tuber)	Kg	0.15	29887.00	4483.00	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	Azotobacter	Kg	4	55	220.00	
4	PSB	Kg	4	55	220.00	
5	UREA	Kg	83	8.5	705.5	
6	SSP	Kg	270	8.80	2376.00	
7	MOP	Kg	90	17.80	1602.00	
8	Land preparation			LS	2200.00	
9	PP Chemicals			LS	1100.00	
10	Irrigation			LS	1300.00	
11	Wages	Nos	200	275.00	55000.00	
12	Misc			LS	1100.00	
13	Insurance @ 5%				4190.00	
	<b>Total =</b>				87996.5	
				SAY=	87997.00	79950.00

Total cost per ha : Rs. 87997.00  
 Expected production per ha : Rs. 20.00MT/Ha  
 Expected price : Rs. 1775.00/qls  
 Expected income : Rs. 355000.00  
 Cost Benefit Ratio : Rs. 1:4.03

N.B.:10% variation in input costs may be accepted.

## 6) BRINJAL

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	0.15	6655.00	998.0	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	Azotobacter	Kg	4	55	220.00	
4	PSB	Kg	4	55	220.00	
5	UREA	Kg	56	8.50	476	
6	SSP	Kg	225	8.80	1980.00	
7	MOP	Kg	75	17.80	1335.00	
8	Land preparation			LS	2200.00	
9	PP Chemicals			LS	1100.00	
10	Irrigation			LS	1300.00	
11	Wages	Nos	200	275	55000.00	
12	Misc			LS	1100.00	
13	Insurance @ 5%				3806.00	
	<b>Total =</b>				79920.00	
				Say=	79920.00	75761.00

Total cost per ha : Rs. 79920.00  
 Expected production per ha : Rs. 18.00MT/Ha  
 Expected price : Rs. 1775.00/qls  
 Expected income : Rs. 3,19,500.00  
 Cost Benefit Ratio : Rs.1:3.997

N.B.:10% variation in input costs may be accepted.

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19/11/20

**Scale of Finance of different Horticultural Crops for 2020-2021**

(Cost per hectare)

**7) CHILLI/BHUT JALAKIA**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	0.15	26620.00	3993.00	
2	FYM or Compost	Kg	10000	1.35	13500	
3	Azortobacter	Kg	4	55	220.00	
4	PSB	Kg	4	55	220.00	
5	UREA	Kg	169	8.50	1436.5	
6	SSP	Kg	335	8.80	2948.00	
7	MOP	Kg	90	17.80	1602.00	
8	Land preparation			LS	2200.00	
9	PP Chemicals			LS	1100.00	
10	Irrigation			LS	1300.00	
11	Wages	Nos	200	275.00	55000.00	
12	Misc			LS	1100.00	
13	Insurance @ 5%				4231.00	
	<b>Total =</b>				88037.5	
				Say=	88038.00	80616.00

Total cost per ha : Rs. 88038.00  
 Expected production per ha : Rs. 40.00qtl/Ha  
 Expected price : Rs.4400.00qtls  
 Expected income : Rs.176000.00  
 Cost Benefit Ratio : Rs. 1:1.999

*N.B.:10% variation in input costs may be accepted.*

**8) RADISH**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	7.5	327.00	2452.5	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	Azortobacter	Kg	0.2	55	110.00	
4	PSB	Kg	0.2	55	110.00	
5	UREA	Kg	17	8.5	144.5	
6	SSP	Kg	150	27.50	4125.00	
7	MOP	Kg	150	17.80	2670.00	
8	Land preparation			LS	2200.00	
9	PP Chemicals			LS	1100.00	
10	Wages	Nos	140	275.00	38500.00	
11	Misc	LS	LS	LS	1100.00	
12	Insurance @ 5%				3300.00	
	<b>Total =</b>				69312.6	
				Say=	69313.00	63150.00

Total cost per ha : Rs. 69313.00  
 Expected production per ha : Rs. 180.00 qt/Ha  
 Expected price : Rs. 10000.00/qtls  
 Expected income : Rs. 180.000.00  
 Cost Benefit Ratio : Rs.1:2.60

*N.B.:10% variation in input costs may be accepted.*

*Amd*  
 19/5/20  
 Director of Horticulture & F.P,



**Scale of Finance of different Horticultural Crops for 2020-2021**

(Cost per hectare)

**9) CARROT**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	7	1210.00	8470.00	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	Azortobacter	Kg	0.2	55	110.00	
4	Phosphatka	Kg	0.2	555	110.00	
5	UREA	Kg	56	8.5	476.00	
6	DAP	Kg	45	27.50	1237.50	
7	MOP	Kg	180	17.80	3204.00	
8	Land preparation			LS	2750.00	
9	PP Chemicals			LS	1100.00	
10	Wages	Nos	140	275.00	38500.00	
11	Misc	LS	LS	LS	1100.00	
12	Insurance @ 5%				3527.85	
	<b>Total =</b>				74084.85	
				Say=	74085.00	67192.00

Total cost per ha : Rs. 74085.00  
 Expected production per ha : Rs. 18.00mt/Ha  
 Expected price : Rs. 1350.00  
 Expected income : Rs.243000.00  
 Cost Benefit Ratio : Rs.1:3.28

*N.B.:10% variation in input costs may be accepted.*

**10) LADY'S FINGER**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	21	2662.00	55902.00	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	Azortobacter	Kg	0.5	55	27.5	
4	Phosphatka	Kg	0.5	55	27.5	
5	UREA	Kg	36	8.5	306.00	
6	DAP	Kg	75	27.50	2062.50	
7	MOP	Kg	75	17.80	1335.00	
8	Land preparation			LS	2750.00	
9	PP Chemicals			LS	1650.00	
10	Wages	Nos	200	275.00	55000.00	
11	Misc	LS	LS	LS	1650.00	
12	Irrigation	LS	LS		1650.00	
13	Insurance @ 5%				6793.00	
	<b>Total =</b>				142653.00	
				Say=	142653.00	129654.00

Total cost per ha : Rs. 142653.00  
 Expected production per ha : Rs. 150.00 QT/HA  
 Expected price : Rs. 4400.00 qtls  
 Expected income : Rs.6,60,000.00  
 Cost Benefit Ratio : Rs. 1:4.63

*N.B.:10% variation in input costs may be accepted.*

*Amo*  
19/5/20  
Director of Horticulture & F.P,

# Scale of Finance of different Horticultural Crops for 2020-2021

(Cost per hectare)

## 11) TURMERIC

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	2500	37.5	93750.00	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	UREA	Kg	68	8.5	578.00	
4	SSP	Kg	300	8.80	2640.00	
5	MOP	Kg	98	17.80	1744.00	
6	Bio-fertilizer & Micronutrient Borax	Kg		LS	1100.00	
7	Plant protection	Kg		LS	550.00	
8	Land preparation			LS	1650.00	
9	Wages	Nos	220	275.00	60500.00	
10	Misc	LS	LS	LS	550.00	
11	Insurance @ 5%				8828.1	
	<b>Total =</b>				185390.1	
				Say=	185390	170924.00

Total cost per ha : Rs. 185390  
 Expected production per ha : Rs. 26.00MT/HA  
 Expected price : Rs. 2200.00/qtls  
 Expected income : Rs. 572000.00  
 Cost Benefit Ratio : Rs.1:3.09

N.B.:10% variation in input costs may be accepted.

## 12) GARLIC

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds (Tuber)	Kg	450	88	39600.00	
2	FYM or Compost	Kg	10000	1.35	13500.00	
3	UREA	Kg	225	8.50	1912.5	
4	SSP	Kg	480	8.80	3888.00	
5	MOP	Kg	90	17.80	1602.00	
6	Bio-fertilizer & Micronutrient Borax	Kg		LS	110.00	
7	Plant protection	Kg		LS	330.00	
8	Land preparation			LS	550.00	
9	Wages	Nos	120	275.00	33000.00	
10	Misc		LS	LS	550.00	
11	Insurance @ 5%				4752.125	
	<b>Total =</b>				99794.62	
				Say=	99795.00	90529.00

Total cost per ha : Rs. 99795.00  
 Expected production per ha : Rs. 8.00 MT/Ha  
 Expected price : Rs. 5500.00/qtls  
 Expected income : Rs. 4,40,000.00  
 Cost Benefit Ratio : Rs. 1:4.41

N.B.:10% variation in input costs may be accepted.

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19/5/20

**Scale of Finance of different Horticultural Crops for 2020-2021**

(Cost per hectare)

**13) BANANA**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Banana Sucker/TC	No.	3090	22.00	67980.00	
2	UREA	Kg	750	8.50	6375.00	
3	SSP	Kg	630	8.80	5544.00	
4	MOP	Kg	1688	17.80	30046.00	
5	Plant protection	Kg		LS	1100.00	
6	Cash Component	Kg			0.00	
	Clearing, leveling, harrowing etc.	No.	50	275.00	13750.00	
	Pit digging, manuring, planting	No.	100	275.00	27500.00	
	Intercultural & others	No.	50	275.00	13750.00	
7	Misc				1100.00	
8	Insurance @ 5%				8357.4	
	<b>Total =</b>				175502.4	
				Say=	175502.00	161806.00

Total cost per ha : Rs. 175502.00  
 Expected production per ha : Rs.400 Qtls/ha  
 Expected price : Rs.1350.00  
 Expected income : Rs. 5,40,000.00  
 Cost Benefit Ratio : Rs. 1:3079

*N.B.:10% variation in input costs may be accepted.*

**14) ASSAM LEMON**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Cutting/layering	No.	1125	16.50	18562.50	
2	UREA	Kg	1500	8.5	12750.00	
3	SSP	Kg	2820	8.80	24816.00	
4	MOP	Kg	1080	17.80	19224.00	
5	Plant protection			LS	1100.00	
6	Cash Component, mandays/wages				0.00	
	Clearing, leveling, harrowing etc.	No.	25	275	6875.50	
	Pit digging, manuring, planting	No.	100	275	275.00	
	Interculture & others	No.	25	275	6875.00	
7	MISC				1100.00	
8	Insurance @ 5%				5940.125	
	<b>Total =</b>				124742.63	
				Say=	124743.00	1188778.00

Total cost per ha : Rs. 124743.00  
 Expected production per ha : Rs. 350 QTLs/HA  
 Expected price : Rs. 1100.00/QLTS  
 Expected income : Rs. 385000.00  
 Cost Benefit Ratio : Rs. 1:3.09



# Scale of Finance of different Horticultural Crops for 2020-2021

(Cost per hectare)

## 15) GINGER

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Rhizome	Kg	1500	77	115500.00	
2	UREA	Kg	45	8.50	382.50	
3	SSP	Kg	375	8.80	3300.00	
4	MOP	Kg	34	17.80	605.00	
5	Plant protection	Kg		LS	550.00	
6	Irrigation	Kg		LS	550.00	
7	Cash Component, mandays/wages	No.	200	275	55000.00	
8	Misc				1100.00	
9	Insurance @ 5%				8849.38	
	<b>Total =</b>				185837.085	
				Say=	185837.00	169230.00

Total cost per ha : Rs. 185837.00

Expected production per ha : Rs. 150QTL/HA

Expected price : Rs. 3750.00/QTLS

Expected income : Rs. 562500.00

Cost Benefit Ratio : Rs. 1:3.03

N.B.:10% variation in input costs may be accepted.

## 16) WATER MELON

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds (Tuber)	Kg	7	7744.00	54208	
2	FYM or Compost	Kg	30000	1.35	4500	
3	UREA	Kg	148	8.50	1258	
4	SSP	Kg	425	8.80	3740.00	
5	MOP	Kg	216	17.80	3844.00	
6	Land preparation			LS	3960.00	
7	PP Chemicals			LS	1100.00	
8	Cash component mandays/wages	No	100	275	27500.00	
9	MISC			LS	1100.00	
10	Insurance @ 5%				6860.54	
	<b>Total =</b>			Say=	144071.34	130555.00

Total cost per ha : Rs. 144071.34

Expected production per ha : Rs. 180 QTL/HA

Expected price : Rs. 1980.00

Expected income : Rs. 356400.00

Cost Benefit Ratio : Rs. 1:2.47

N.B.:10% variation in input costs may be accepted.

Director of Horticulture & F.P,  
Assam, Khanapara, Guwahati-22

**Scale of Finance of different Horticultural Crops for 2020-2021**

(Cost per hectare)

**17) PAPAYA**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	0.50	164560.00	82280.00	
2	FYM or Compost	Kg	30000	1.35	40500.00	
3	UREA	Kg	1500	8.5	127500.00	
4	SSP	Kg	4500		39600.00	
5	MOP	Kg	1200	8.80	21360.00	
6	Land preparation			17.80	3960.00	
7	PP Chemicals			LS	1100.00	
8	Cash component mandays/wages	No	80	LS	22000.00	
9	MISC			275	1100.00	
10	Insurance @ 5%			LS	11178.00	
	<b>Total =</b>			Say=	234728.00	216521.00

Total cost per ha : Rs. 234728.00

Expected production per ha : Rs. 200 QTL/HA

Expected price : Rs. 3850.00

Expected income : Rs. 770000.00

Cost Benefit Ratio : Rs. 1:3.28

N.B.:10% variation in input costs may be accepted.

**18) BITTER GOURD**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	6	3872.00	23232.00	
2	FYM or Compost	Kg	30000	1.35	40500.00	
3	UREA	Kg	87	8.50	739.5	
4	SSP	Kg	188	8.80	1654.40	
5	MOP	Kg	50	17.80	890.00	
6	Land preparation			LS	3960.00	
7	PP Chemicals			LS	1100	
8	Cash component mandays/wages	No	100	275	27500.00	
9	MISC			LS	1100	
10	Insurance @ 5%				5034	
	<b>Total =</b>				105709.9	95317.00
				Say=	105710.00	

Total cost per ha : Rs. 105710.00

Expected production per ha : Rs. 120QTL/HA

Expected price : Rs. 2420.00/QTL

Expected income : Rs.290400.00

Cost Benefit Ratio : Rs.1:2.74

N.B.:10% variation in input costs may be accepted.

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19/5/20

**Scale of Finance of different Horticultural Crops for 2020-2021**

(Cost per hectare)

**19) POINTED GOURD**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Nos of cuttings (100cm)	2500.00	3.30	8250.00	
2	FYM or Compost	Kg	30000.00	1.350	40500.00	
3	UREA	Kg	174.00	8.5	1479.00	
4	SSP	Kg	313.00	8.80	2754.40	
5	MOP	Kg	84.00	17.80	1495.20	
6	Land preparation			LS	3850.00	
7	PP Chemicals			LS	1100.00	
8	Cash component mandays/wages	No	80.00	275	22000.00	
9	MISC			LS	1650.00	
10	Insurance @ 5%				4154.00	
	<b>Total =</b>				87232.6	78515.00
				Say=	87233.00	

Total cost per ha : Rs. 87233.00

Expected production per ha : Rs. 100.00QTL/HA

Expected price : Rs. 1980.00

Expected income : Rs. 198000.00

Cost Benefit Ratio : Rs. 1:2.27

N.B.:10% variation in input costs may be accepted.

**20) OYSTER MUSHROOM CULTIVATION IN RURAL HOUSEHOLD SYSTEM**

**FOR SELF EMPLOYEEMENT**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Chaff Cutter for cutting paddy straw (Fly Wheel Model)	No	1	6600.00	6600.00
2	Growing Room (Concrete floor, thatch roof, brick wall)	Size	3m x 12m	22000.00	22000
3	Aluminum saucepen (for boiling paddy straw)	No	1	1650.00	1650
4	Bamboo rack	No	1	1100.00	1100
5	Hand sprayer (1.5 lit capacity)	No	1	330.00	330
6	Plastic drum for washing straw (50 lt. capacity)	No	2	550	1100
7	Plastic bucket	No	2	165	330
8	Mushroom Spawn (300 gm pack)	No	450	11	4950
9	Polythene Bag	No	1200	2.20	2640
10	Paddy Straw	Kg	2500	1.10	2750
11	Pesticides & other disinfectant chemical			LS	1100
12				LS	2200
				Say=	46750.00



**Scale of Finance of different Horticultural Crops for 2020-2021**

(Cost per hectare)

**21) Crop: MARIGOLD (TAGETES ERECTA)**

**GROWING SITUATION: OPEN CULTIVATION PLANTING TIME: OCTOBER/NOVEMBER**

**HARVESTING: DECEMBER ONWARDS**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Planting material (Rooted Cutting)	No.	55500	2.20	122100.00	
2	FYM & AGRO CHEMICALS			LS	8250.00	
3	Land preparation (ploughing, harrowing, fertilizer & chemicals, application, bed making interculture, harvesting and post harvest handling etc.)	Mandays	90	275	24750.00	
<b>Total =</b>					155100.00	141000.00

Total cost per ha : Rs. 155100.00

Expected production per ha : Rs. 55500 KG @ 1 KG PER PLANT

Expected price : Rs. 18.70

Expected income : Rs. 1037850.00

Net Return : Rs. 882750.00

Cost Benefit Ratio : Rs. 1:6.69

*N.B.: 10% variation in input costs may be accepted.*

**22) Crop: TUBEROSE (POLIANTHES TUBEROSA)**

**GROWING SITUATION: OPEN CULTIVATION**

**PLANTING TIME: FEBRUARY/MARCH**

**HARVESTING: MAY ONWARDS**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Planting materials (Bulb)	No.	166000	2.75	456500	
2	FYM & Agro Chemicals			LS	10450	
3	Land preparation (Ploughin, harrowing, fertilizer & chemicals application, bed making, interculture etc.)	Mandays	117	275	32175	
4	Irrigation			LS	5500	
5	Harvesting & post harvesting handling			LS	5500	
					510125.00	463750.00

Total cost per ha : Rs. 510125.00

Expected production per ha : Rs. 498000 nos. @ spike per plant

Expected price (spike) : Rs. 1095600 @ 2.2/ each spike

Bulb/clump : Rs. 55000 nos. @ 6 bulb per

Expected price (bulb) : Rs. 726000.00 @ 2.2 /bulb)

Total expected income : Rs. 1821600.00

# Scale of Finance of different Horticultural Crops for 2020-2021

(Cost per hectare)

## 23) Crop: GLADIOLUS (GLADIOLUS SPP.)

GROWING SITUATION: OPEN CULTIVATION

PLANTING TIME: FEBRUARY/MARCH

HARVESTING: MAY ONWARDS

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Planting materials (corm)	No.	222000	3.85	854700.00	
2	FYM & Agro Chemicals			275	12100.00	
3	Land preparation (Ploughin, harrowing, fertilizer & chemicals application, bed making, interculture etc.)	Mandays	115		31625.00	
4	Irrigation			LS	8800.00	
5	Harvesting & post harvesting handling			LS	5500.00	
					912725.00	829750.00

Total cost per ha	: Rs. 912725.00
Expected production per ha	: Rs. 444000.00 nos. @2 spike per plant
Expected price (spike)	: Rs. 17,09,400.00 @ 3.85 ( spike )
Corm	: Rs. 222000 nos. @ 1 corm
Expected price (bulb)	: Rs. 854700.00 @3.85
Total expected income	: Rs. 2564100.00
Net Return	: Rs. 1651375.00
Cost Benefit Ratio	: Rs. 1:2.81

N.B.:10% variation in input costs may be accepted.

## 24) Crop: GERBERA (GERBERA JAMESONII)

GROWING SITUATION: OPEN CULTIVATION

PLANTING TIME: FEBRUARY/MARCH

HARVESTING: MAY ONWARDS

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Planting materials (SUCKER)	No.	111000	11	1221000.00	
2	FYM & Agro Chemicals			LS	12100.00	
3	Land preparation (Ploughing, harrowing, fertilizer & chemicals application, bed making, interculture etc.)	Mandays	100	275	27500.00	
4	Irrigation			LS	5500.00	
5	Harvesting & post harvesting handling			LS	3300.00	
	<b>Total=</b>				1269400.00	1154000.00

Total cost per ha	: Rs. 1269400.00
Expected production per Ha (SPIKE)	: Rs. 555000.00 @ spike per plant
Expected price (SPIKE)	: Rs. 1526250.00 @ 2.75/spike
Sucker	: Rs. 333000 nos. @ 3 sucker per plant
Expected price (sucker)	: Rs. 3663000.00 @ 11.00/ sucker

**Scale of Finance of different Horticultural Crops for 2020-2021**

(Cost per hectare)

**25) CUCUMBER**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)	2019-20 (Rs.)
1	Seeds	Kg	2.50	1650.00	4125.00	
2	FYM or Compost	Kg	25000.00	1.35	33750.00	
3	UREA	Kg	108.50	8.50	922.25	
4	SSP	Kg	281.00	8.80	2472.80	
5	MOP	Kg	132.80	17.80	2363.84	
6	Land preparation			LS	3850.00	
7	PP Chemicals			LS	1100	
8	Cash component mandays/wages	No	100.00	275	27500	
9	MISC			LS	1650	
10	Insurance @ 5%				3887	
				Rs.	81620.89	
	<b>Total =</b>			Say=	81621.00	73738.00

Total cost per ha : Rs. 81621.00  
 Expected production per ha : Rs. 60.00qtl/ha  
 Expected price : Rs. 3300.00  
 Expected income : Rs. 198000.00  
 Cost Benefit Ratio : Rs. 1:2.43

*N.B.:10% variation in input costs may be accepted.*

*Sun*  
 19/5/20  
 Sub. Divisional Agri. Officer  
 Directorate of Horticulture & F.P  
 Assam, Khanapara, Guwahati-22

*Awo*  
 19/5/20  
 Director of Horticulture & F.P,  
 Assam, Khanapara, Guwahati-22



# Scale of Finance of different Horticultural Crops for 2020-2021

(Cost per hectare)

## 26) STRAWBERRY

Sl/ No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Seedling (Tissue Culture) spacing 0.9 x 0.45m	Nos.	24600	38.50	947100.00
2	FYM or Compost	Kg	24700	1.35	33345.00
3	UREA	Kg	125	8.5	1062.50
4	SSP	Kg	494	8.80	4347.00
5	MOP	Kg	420	17.80	7476.00
6	Micronutrient	LS			5500.00
7	Plant protection	LS			5500.00
8	Land preparation & bed making	LS			11000.00
9	Wages for maintenance etc.	Mandays	100	275	27500.00
10	Plastic mulching	Nos.	12 ROLL	2750	33000.00
11	irrigation	LS			16500.00
12	MISC				5500.00
13	Insurance @ 5%				54892.00
	<b>Total =</b>				1152722.5
				Say=	1152723.00

### Return

Total cost per ha	: Rs. 1152723.00
Expected production per ha	: Rs. 12000 kg
Expected price PER KG	: Rs. 275
Expected income	: Rs. 3300000
Cost Benefit Ratio	: Rs. 1:2.86

## 27) APPLE BER

Sl/ No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Planting materials Seedling	NOS.	1000	55	55000
2	FYM or Compost	Kg	20000	1.35	27000
3	UREA	Kg	108.50320	8.50	2720
4	DAP	Kg	545	27.50	14987.50
5	MOP	Kg	247	17.80	4396.60
6	Plant protection chemical	LS			5500.00
7	wages maintenance	MANDAYS		275	27500.00
8	Irrigation	LS	100.00		16500.00
9	MISC				5500.00
10	Insurance @ 5%				7955.00
	<b>Total =</b>				167058.6
				Say=	167059.00

### Return

Total cost per ha	: Rs. 167059.00
Expected production per ha	: Rs. 30000 kg

**Scale of Finance of different Horticultural Crops for 2020-2021**


(Cost per hectare)

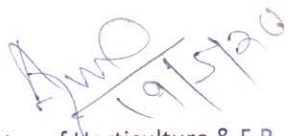
**28) MUSK MELON**

Sl No	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Seed	Kk	0.375	72600	27225.00
2	FYM or Compost	Kg	15000	1.35	20250.00
3	DAP	Kg	370	27.50	10175.00
4	MOP	Kg	123	17.80	2189.00
5	Micronutrient	LS			2200.00
6	Plant protection Chemicals	LS			3300.00
7	Land preparation & bed making	LS			5500.00
8	Wages for maintenance etc.	Mandays	100	275	27500.00
9	Plastic mulching	Nos.	12 ROLL	2750	33000.00
10	MISC				5500.00
11	Insurance @ 5%				6224.00
	<b>Total =</b>				<b>130699.00</b>

**Return**

Total cost per ha : Rs. 143063.00  
 Expected production per ha : Rs. 20000 kg  
 Expected price PER KG : Rs. 22.00  
 Expected income : Rs. 4,40000.00  
 Cost Benefit Ratio : Rs. 1:3.08

  
 19/5/20  
 Sub Divisional Hort. Officer  
 Directorate of Horticulture & FP  
 Assam, Khanapara, Guwahati-22

  
 Director of Horticulture & F.P.,  
 Assam, Khanapara, Guwahati-22

## 29) STEVIA

Sl No	Particulars	Activity	I year	II year	III year	IV year	V year
1	Field preparation	Cultivation & bed raising	11000	-	-	-	-
2	Nutrient Management	Organic manure & Bio-pesticides	33000	38500	38500	38500	38500
3	Plants	75000 plants @ Rs 2.2	165000	-	-	-	-
4	Water Management	Drip Irrigation	38500	-	-	-	-
5	Weed Management	6 operation per year (manually at every 2 month)	22000	22000	22000	22000	24200
6	Logistic charges		6600	6600	7700	7700	11000
7	Planting charges	To place the plants in the field	5500	-	-	-	-
8	Harvesting	Cutting the leaves	3850	3850	3850	3850	3850
9	Post harvest management	Leaves drying	2200	2200	3300	3300	5500
10	Maintenance	Normal take care of farm & other miscellaneous expenses	22000	2200	22000	33000	33000
	Consultants		5500	6600	7700	8800	11000
	<b>Total expenses</b>		<b>315150.00</b>	<b>110750</b>	<b>105050</b>	<b>106500</b>	<b>127050</b>

### Income from the production

Particulars	Details	I year	II year	III year	IV year	V year
Production	Dry Leaves in kg	5000.00	5000.00	5000.00	5000.00	5000.00
Amount	Rs. 110	5,50,000.00	5,50,000.00	5,50,000.00	5,50,000.00	5,50,000.00

### Return Investment Analysis

Total Investment for five year plantation on one hectare = 775150.00  
 Total Return from the five year plantation on one hectare = 2750000.00

### Net Return

Particulars	Amount
Total return from 1 hectare land stevia plantation in 5 year cycle	2750000
Total cost of cultivation for 1 hectare land for 5 year cycle	775150
Net return from plantation from 1 hectare land in 5 year cycle	1974850
Net return per year per one hectare	394970

The cost of cultivation is calculated as per ideal condition. It may vary location to location.

The Drip Irrigation changes will depend on the subsidy provided by State Government that varies from State to the production is taken at lower side in normal condition. It can be increase up to the 5000 kg to 6000 kg by the

Director of Horticulture & F.P,  
 Assam, Khanapara, Guwahati-22

19/5/20