

**ICAR-Indian Institute of Horticultural Research
Hesaraghatta Lake Post, Bengaluru-560089**

REVISED CHARGES FOR THE TRANSFER OF TECHNOLOGY OF IIHR- BIOPESTICIDES (2023-24)

Sl.No.	Name of Biopesticides	Revised charges W.E.F. 01.07.2020	
		Technology and Data for Permanent Registration 9(3) for those who have already taken 9(3b) data from ICAR-IIHR	Technology and data for Permanent Registration. 9(3)
		Without Royalty	Without Royalty
1.	IIHR- <i>Trichoderma harzianum</i> -1% W.P.	1,75,000	2,50,000
2.	IIHR- <i>Trichoderma viride</i> -1.5% W.P.	1,75,000	2,50,000
3.	IIHR- <i>Pseudomonas fluorescens</i> -1% W.P.	1,75,000	2,50,000
4.	IIHR- <i>Pochoniachlamydosporia</i> -1% W.P. (<i>Verticillium chlamydosporium</i>)	1,75,000	2,50,000

Note:

- In addition to the above mentioned license fee, GST @18% is applicable
- In addition Rs. 2000/- as training fee(If required for the client) + GST @18% is applicable

**Director
ICAR-IIHR**

**ICAR-Indian Institute of Horticultural Research
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Biotechnology Price List (2023-24)

Sl. No.	Item	License fee without royalty (Rs.)	Remarks
1.	Embryogenic cell suspensions for mass multiplication of Banana (cv Elakki balle)	50000	Inclusive of training fee
2.	Primers, Methods and Kit thereof (included on 21.12.2021)	1,00,000	-

In addition to the above mentioned License fee,

- **GST @18% is applicable, if not mentioned above**

**Director
ICAR-IIHR**

Revised charges for the transfer of technology of ICAR-IIHR

Seed and Planting Materials (2023-24)

VEGETABLE CROPS

Crop	Name of the technology	License Fee (without royalty)
Tomato	Arka Samrat	4,00,000
	Arka Rakshak	4,00,000
	Hybrid 162 F1 Hybrid	3,00,000
	Advanced breeding line No. IIHR-2892 (BC1 F1-26-9-6-33-4-4-3) with resistance to-ToLCV in PKM1fruit type	3,00,000
	Advanced breeding line No.IIHR-2611 (TV-55) with resistance to TOLCV in oblate fruit type	3,00,000
	Advanced breeding line No. IIHR-2919 (ToLCVR4-F3-206-2-1) with resistance to ToLCV in oblong fruit type	3,00,000
	Advanced breeding line No.IIHR-2920 (TOLCVR4-F3-38-1-1) with resistance to TOLCV in oblate fruit type	3,00,000
	TLBER 12-21-43-1 (ABL)	2,00,000
	TLBER 38-7-4-2 (ABL)	2,00,000
	TLBER-11-38-7 & 12-21	2,00,000
Onion	Arka Keerthiman	5,00,000
	Arka Lalima	5,00,000
	Arka Bheem	5,00,000
	MS 48	4,00,000
	MS 65	4,00,000
	Arka Swadista (White Onion)	3,00,000
	Arka Sona (Yellow Onion)	3,00,000
	Arka Kalyan (added 20.11.2021)	3,00,000
Chilli	Arka Harita (A, B & R lines 5g each)	5,00,000
	Arka Meghana (A, B & R lines 5g each)	5,00,000
	Arka Khyathi (A, B & R lines 5g each)	5,00,000
	Arka Sweta (A, B & R lines 5g each)	5,00,000
	Powdery mildew resistant Male sterile line with maintainer-MS-3 (A & B lines 5g each)	3,50,000
	Male sterile line with maintainer-MS-1 (A & B lines 5g each)	3,00,000
	Male sterile line with maintainer-MS-2 (A & B lines 5g each)	3,00,000
	Male sterile line with maintainer-MS-4 (A & B lines 5g each)	3,00,000
	Advanced breeding line with Powdery mildew resistance (5g) (PMR 14)	1,50,000
	Chilli inbred line IHR 4517	2,50,000
	Chilli inbred line IHR 4597	2,50,000

	Chilli inbred line IHR 4615	2,50,000
	CGMS line with maintainer IHR 4388/ IHR 4389	3,00,000
	CGMS line with maintainer IHR 4390 & IHR 4391	3,50,000
	CGMS line with maintainer IHR 4392 & IHR 4393	3,50,000
Brinjal	Arka Anand (BWBH-3)	3,00,000
	Bacterial wilt resistant lines in green long & manjarigota type-IIHR-3	1,00,000
	Bacterial wilt resistant lines in green long & manjarigota type-IIHR-7	1,00,000
	Bacterial wilt resistant lines in green long & manjarigota type 2-BMG-1	1,00,000
	Bacterial wilt resistant lines in green long & manjarigota type-Sel-2	1,00,000
French bean	Arka Arjun	3,00,000
	Arka Sharath	2,00,000
	Arka Anoop	2,00,000
Dolichos	Arka Soumya	2,00,000
	Arka Sambhram	2,00,000
	Arka Amogh	2,00,000
	Arka Swagath	2,00,000
Okra	Arka Nikita	4,00,000
	Okra GMS-1	3,00,000
	Okra GMS-2	3,00,000
	Okra GMS-3	3,00,000
	Okra GMS-4	3,00,000
	Advanced Breeding line IIHR-385-5-1	50,000
	Advanced Breeding line IIHR-386-7-2	50,000
Peas	Arka Priya	2,00,000
	Arka Pramod	2,00,000
	Arka Apoorva	2,00,000
Yard long bean	Arka Mangala	2,00,000
Amaranth	Arka Samraksha	2,00,000
	Arka Varna	1,00,000
Coriander	Arka Isha	1,00,000
Palak	Arka Anupama	1,00,000
Bell pepper	Advanced breeding line with powdery mildew tolerance (CPMR15 or CPMR 47) 5g	2,00,000
Black Pepper	Arka Coorg Excel	50,000
Musk Melon	Arka Siri	3,00,000
Watermelon	Arka Akash	2,00,000
	Arka Aishwarya	2,00,000
	BIL-53: A WBNV resistant prebred line of watermelon derived from <i>Citrullus lanatus ssp citroides</i> . (50 gm of seeds)	3,00,000
Ridge gourd	Arka Vikram (seeds of female parent 1000 g and male parent 250 g)	3,00,000
	Arka Prasan (1 kg)	50,000
Bottle Gourd 06.07.2022	GSB resistant line BG -95(Round)	3,00,000
	Arka Nutan (GSB resistant line BG -114-3(Medium	3,00,000

	cylindrical))	
	GSB resistant line BG -114-1(Short cylindrical)	3,00,000

+ 18% GST applicable for all

**Director
ICAR-IIHR**

MEDICINAL & ORNAMENTAL CROPS (2023-24)

Crop	Technology Name	License fee
Crossandra	Arka Ambara	25,000
	Arka Shravya	25000
Marigold	Arka Agni	25000
	Arka Bangara-1	25000
	Arka Bangara-2	25000
	Arka Pari, French Marigold OP variety	25000 for 100 gm seeds
	Arka Madhu, French Marigold OP variety	25000 for 100 gm seeds
Rose	Arka Savi	50000
	Arka Parimala	25000
Gerbera	Arka Asawa (15 bottles of Tissue culture consisting of 5 plants)	30000
	Arka Nesara (15 bottles of Tissue culture consisting of 5 plants)	30000
	Arka White (15 bottles of Tissue culture consisting of 5 plants)	30,000
	Arka Pink (15 bottles of Tissue culture consisting of 5 plants)	30,000
	Arka Krishika (50 rooted suckers)	10,000
	Arka Red (50 rooted suckers)	10,000
Mucuna	Arka Shubra	10000
	Arka Shukla	10000
Ashwagandha	Arka Ashwagandha	50000
Tuberose	Arka Keerthana	50000 (10 Kg of bulbs)

+GST @ 18% for all

FRUIT CROPS

Crop	Technology Name	License fee	Remarks
Guava	Arka Kiran	1,00,000	Training fee Rs. 7200 for three days/ participant (If required)
	Arka Rashmi	1,00,000	Training fee Rs. 7200 for three days/ participant (If required)

	Arka Poorna	1,00,000	Training fee Rs. 7200 for three days/ participant (If required) . Raw material to be transferred: 200 grafts
Papaya	Arka Prabhath	1,50,000	25 gm seeds
Mango	Arka Suprabhath	75,000	Raw material to be transferred: 200 grafts
Avocado	Arka Supreme	10,000	-
Rambutan varieties	Arka Coorg Arun	10,000	Grafted plants (10 plants/scion wood)
	Arka Coorg Peetabh	10,000	Grafted plants (10 plants/scion wood)

+GST @ 18% for all

Director

ICAR-IIHR

Revised rates of Post-Harvest Technologies (2023-24)

Sl No	Technology Name	License Fee (without royalty)	Remarks and training fee
Fruit RTS Beverages			
1.	RTS beverage of Mango	33,000	If three or more technologies are licensed in this cluster, the license fee will be Rs 25,000/- per technology. In addition to the above GST as applicable and Technology Demonstration fee of Rs.3000/- per technology will be applicable.
2.	RTS beverage of Passion Fruit	33,000	
3.	RTS beverage of Guava	33,000	
4.	RTS beverage of Pineapple	33,000	
5.	RTS beverage of Amla	33,000	
6.	RTS beverage of Watermelon	33,000	
Fruit Squashes			
7.	Mango Squash	33,000	If three or more technologies are licensed in this cluster, the license fee will be Rs 25,000/- per technology. In addition to the above GST as applicable and technology demonstration fee of Rs.3000/- per technology will be applicable
8.	Pineapple Squash	33,000	
9.	Amla Squash	33,000	
10.	Grapes Squash	33,000	
11.	Kokum Squash	33,000	
Blended Fruit juices			
12.	Mango Papaya Beverage	32,000	In addition, training fees of Rs 2000 per technology and GST as applicable shall be charged extra
13.	Amla Bottlegourd Beverage	35,000	
Culinary pastes			
14.	Onion Paste	22,000	If three or more technologies are licensed in this cluster, the license fee will be Rs 20,000/- per technology. In addition to the above GST as applicable and Technology demonstration fee of Rs.2000/- per technology will be applicable.
15.	Garlic Paste	22,000	
16.	Ginger Paste	22,000	
17.	Green Chilli paste	22,000	
Osmotic Dehydrated Technologies			
18.	Osmotic Dehydration of Amla	50,000	If three or more technologies are licensed in this cluster, the license fee will be Rs 40,000/- per technology. In addition to the above GST as applicable and Technology demonstration fee of Rs.5000/- per technology will be applicable.
19.	Osmotic Dehydration Technology of Mango	50,000	
20.	Osmotic Dehydration Technology of Pineapple	50,000	
21.	Osmotic Dehydration Technology of Papaya	50,000	
22.	Osmotic Dehydration Technology of Banana	50,000	
23.	Osmotic Dehydration Technology of Guava	50,000	

24.	Osmotic Dehydration Technology of Jackfruit	50,000	
25.	Osmotic Dehydrated Anola segments with Kokum Juice	60,000	
Fruit bars			
26.	Mango Fruit Bar	50,000	If three or more technologies are licensed in this cluster , then the second and third technology will be charged at Rs 20,000/- each and Technology Demonstration fee of Rs.5000/- per technology will be applicable in addition to GST
27.	Papaya Fruit Bar	50,000	
28.	Guava Fruit Bar	50,000	
Shrink Wrap Technology			
29.	Shrink Wrap for Pomegranate	15,000	Technology demonstration charges of Rs 2000/- per technology are applicable in addition to GST.. If all the technologies are licensed as a cluster, then the license fee will be Rs 25,000/- for the cluster, but the training/ technology demonstration fees will remain 2000 for the cluster of technologies as well.
30.	Shrink Wrap for Capsicum	15,000	
Wines			
31.	Flavoured Wine	20,000	In addition, training fees of Rs 2000 and GST applicable shall be charged
32.	Sapota Wine	20,000	In addition, training fees of Rs 2000 and GST as applicable shall be charged
33.	Banana Wine	20,000	In addition, training fees of Rs 2000 and GST as applicable shall be charged
Other Post Harvest Technologies			
34.	Crushed tomato technology	40,000	In addition, training fees of Rs 2000 and GST as applicable shall be charged
35.	Dried flower technology (single process, single crop & single product)	15,000	In addition, training fees of Rs 2000 and GST as applicable shall be charged
36.	Dried flower technology (four processes, four crops & four products)	70,000	In addition, training fees of Rs 5000 and GST as applicable shall be charged
37.	Mushroom Fortified Rasam Powder	5,000	No training fees but GST as applicable will be charged extra
38.	Raw Mango slice preservation in Brine Technology	15,000	Training fees of Rs 2000 and GST as applicable shall be

			charges extra.
39.	Watermelon Rind Candy	20,000	Training fees of Rs 2000 per technology and GST as applicable shall be charged
40.	Watermelon Rind Pickle	20,000	
41.	High Humidity Storage Boxes	15,000	No training charges, GST extra as applicable
42.	Vegetable dicing tool	5,000	No training Charges
Fresh Cut & Minimally processed Vegetables			
43.	Arka Minimally Processed Onion	5,000	Technology Demonstration Charges: Rs 500/- in addition to GST as applicable Technology demonstration charges of Rs 500/- per technology applicable. If all the technologies are licensed as a cluster, then the license fee will be Rs 35,000/- for the cluster. In addition to the above GST as applicable shall be charged. Technology Demonstration fee of Rs.4000/- for all the eight technologies in the cluster will be applicable, if they are transferred in a cluster mode.
44.	Shelf life extension of minimally processed cabbage	5,000	
45.	Shelf life extension of fresh cut carrot	5,000	
46.	Shelf life extension of peeled garlic	5,000	
47.	Shelf life extension of minimally processed coriander leaves	5,000	
48.	Shelf life extension of fresh cut cucumber	5,000	
49.	Shelf life extension of fresh cut capsicum	5,000	
50.	Shelf life extension of fresh cut French beans	5,000	
51.	Shelf life extension of fresh cut Radish	5,000	

Add on: Approved on 12.06.2019

Sl. No.	Item	License fee without royalty (Rs.)	Remarks
1.	Arka mushroom chutney powder (all 7 types)**	25,000	Training cost included in the license fee except cost of raw materials. The licensee has to buy all the raw materials required for sample preparation of the (maximum 500 g of the ready product) product.
a	Arka Mushroom groundnut chutney powder	4000	
b	Arka Mushroom coconut chutney powder	4000	
c	Arka Mushroom moringa leaf chutney powder	4000	
d	Arka Mushroom brahmi chutney powder	4000	
e	Arka Mushroom white sesame chutney powder	4000	
f	Arka Mushroom black sesame chutney powder	4000	
g	Arka Mushroom flax seed chutney powder	4000	

Add on: Approved on 04.10.2019

Sl. No.	Item	License fee without royalty (Rs.)	Remarks
1	Technology for production of spray dried avocado powder	50,000	Training fee Rs. 18,000/-

Add on: Approved on 16.12.2019

Sl. No.	Item	License fee without royalty (Rs.)	Remarks
1	Enzyme clarified jackfruit RTD beverage (Arka Halasu Ras)	50,000	Training fee Rs. 5000/-
2.	Jackfruit seed powder based chocolate wrap (Arka Jackolate)	50,000	Training fee Rs. 5000/-
3.	Jackfruit seed powder and mushroom based biscuits/cookies (Arka Jackies)	30,000	Training fee Rs. 3000/-

Add on: Approved 01. 05.2020

Sl. No.	Item	License fee without royalty (Rs.)	Training fee and Remarks
1	Probiotic Pomegranate Juice	1,00,000	Rs 2000/- as training fee. (Rupees Twenty Thousand has to be paid as the cost of the culture directly to the source whose details will be divulged once the license fee is received by ICAR-IIHR and the same details will also form a part of the MoU with clear responsibilities of the culture supplier. Any single client who takes license for all the three technologies either at one go or one after the other should be charged Rs. 1,00,000/- for the first two technologies and RS. 75,000/- for the third technology. Training charges of Rs. 2000 will be charged separately for each of the technologies.
2.	Probiotic Mango Beverage	1,00,000	
3.	RTS Probiotic Pineapple Beverage	1,00,000	

Add on: Approved 23. 07.2020

Sl. No.	Item	License fee without royalty (Rs.)	Training fee and Remarks
1	Arka Herbiwash	75,000	Rs 5000/- as training fee.

Add on: Approved 24.08.2020

Sl. No.	Item	License fee without royalty (Rs.)	Training fee and Remarks
1	Butter fruit spread	30,000	Rs 3000/- as training fee.
2	Butter fruit chutney	30,000	Rs 3000/- as training fee.
3	Arka Haagala paaniya/Rasa (RTS Bitter gourd Juice)	35,000	Rs 3000/- as training fee.

Approved on 19.12.2020

Sl. No.	Item	License fee without royalty (Rs.)	Remarks
1	Arka mushroom iron fortifier	25,000	Inclusive of training fee

Approved on 01.11.2021

Sl. No	Item	License fee (Rs.)*	Remarks
1.	Arka mushroom Nutri-Cereal cookies (all 5types)**	15,000 /-	Training cost included in the license fee except cost of raw materials. The licensee has to buy all the raw materials required for sample preparation of the (maximum 500g of the ready product) product. ICAR-IIHR will help in providing recipe, utilization of instruments, equipment's required for sample quantity preparation.
	i. Arka Mushroom Jowar cookies	4000/-	
	ii. Arka Mushroom Maize cookies	4000/	
	iii. Arka Mushroom Little millet cookies	4000/	
	iv. Arka Mushroom Bajra millet cookies	4000/	
	v. Arka Mushroom Finger millet cookies	4000/	

Approved on 22.12.2022

Sl. No.	Item	License fee without royalty (Rs.)	Remarks
1	Arka Floral Agarbathi and	30,000	Rs 5000/- as training fee

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Added on 25.7.2023

Sl. No.	Item	License fee without royalty (Rs.)	Training fee and Remarks
1	Arka Kamalam RTS beverage	25,000	Rs 3500/- as training fee.

In addition to the above mentioned License fee,

- GST @18% is applicable, if not mentioned above

**Director
ICAR-IIHR**

**ICAR-Indian Institute of Horticultural Research
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Revised rates of Farm Implements & Machineries (2023-24)

SI No.	Technology Name	License Fee (without royalty)
	Vegetable nursery machinery	
1	Root media sieving and bag filling unit	5,000
2	Rooting media mixer cum bag filling machine	5,000
3	Protray dibbler cum vacuum seeder	5,000
4	Rooting media elevating, sieving, mixing and bag filling machine-high capacity Single unit	20,000
5	Automatic protray dibbler cum step seeder for vegetable nursery	50,000
	Transplanting and weeding machinery	
6	Tractor operated raised bed former cum transplanter	5,000
7	Tractor operated raised bed crop weeder	5,000
	Machinery for onion cultivation	
8	Power operated onion seed extractor	10,000
9	Manual drawn onion seeder	2,000
10	Animal drawn onion seeder	2,000
11	Tractor drawn broad bed former cum onion seeder	2,000
12	Tractor operated onion digger cum windrower	10,000
13	Power operated onion de-topper	50,000
14	Power operated onion size grader	20,000
	Harvesters	
15	Mango	2,000
16	Sapota/Pomegranate/Guava	2,000
17	Lime	2,000
18	Tractor operated hydraulic platform for harvesting, spraying and pruning	10,000
	Mushroom spawn and cultivation machinery	
19	Grain cleaner	2,000
20	Grain boiler	10,000
21	Boiled grain and chalk powder mixer cum bag filler	10,000
22	Spawn inoculators	2,000
23	Solar energy based paddy straw pasteurizer	10,000
24	Solar energy based autoclave for sterilization of spawn and paddy straw	10,000
	Raw Mango Processing machinery	
25	Size grader	2,000

26	Raw mango peeler	10,000
27	Raw mango slicer	10,000
28	Raw mango cube cutter	10,000
29	Automatic Hot water treatment plant	50,000
30	Garlic machinery- Garlic bulb breaker and peeler	10,000
31	Power operated Watermelon seed extractor	10,000
32	Hand operated Pomegranate aril remover	2,000
33	Fruit and Vegetable vending van	50,000

Added on 11.07.2019, (CHES Bhubaneshwar) Dr. Srinivas Petikam

Sl No.	Technology Name	License Fee (without royalty)
1	Arka Neelachal Mechanised Raw Jackfruit Peeler	10,000 (for drawing of the machine only)

Added on 19.09.2019 (CHES Bhubaneshwar) Dr. Kundan Kishore

Sl No.	Technology Name	License Fee (without royalty)
1	Arka Neelachal Fertree Drill	30,000

Added on 17.03.2020, Dr. G. Senthil Kumaran

Sl No.	Technology Name	License Fee (without royalty)
1	Solar Power Integrated Outdoor Mushroom Growing Unit	25,000
2	Solar power operated tricycle cart for vending ready to harvest fresh mushroom	25,000
3	Solar power operated tricycle cart for fresh fruits and vegetable vending	25,000

Added on 24.08.2020, Dr. A. Carolina Rathinakumari 08.10.2021

Sl No.	Technology Name	License Fee (without royalty)
1	Arka Pomegranate Aril Extractor	25,000
Sl No.	Technology Name	License Fee (without royalty)
1	Arka Vertical Garden Model	5000

In addition to the above mentioned License fee,

- +GST @18% is applicable

**Director
ICAR-IIHR**

**ICAR-Indian Institute of Horticultural Research
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Rates of Plant Health Management Technologies (2023-24)

Technology Name	License Fee (without royalty)
Arka Microbial Consortium (Solid)	4,00,000
Arka Microbial Consortium (Liquid)	4,00,000
Arka Microbial Consortium (Solid+ Liquid)	5,00,000
Arka Fermented Cocopeat	3,00,000
Arka Decomposer	1,00,000
Micronutrient Formulations	
Banana Micronutrient formulation	4,00,000
Vegetable Micronutrient formulation	4,00,000
Mango Micronutrient formulation	3,00,000
Citrus Micronutrient formulation	2,00,000
Grape Micronutrient formulation	3,50,000
Arka Sasya Poshak Ras	1,00,000 (No training fee)
Pheromone Traps	
Parapheromone trap for Mango	1,50,000
Arka Dorsolure F blend	5,00,000 (Training fee Rs. 10,000/-)
Arka Bactro+ blend	2,00,000
Fruit fly trapping technology in cucurbit crops for North Eastern region	40,000
Fruit fly trapping technology in orchard crops for North Eastern region	40,000
Light cum suction trap	55,000 (No training fee)
Botanical Formulations	
Neem Soap	1,50,000
Pongamia Soap	1,50,000
Other PHM Technologies	
composition to manage stem borer <i>Bactocera rufomaculata</i> and the method of preparation thereof	4,00,000
Neem Seed Powder Pellet Formulation (Add on 23.07.2020)	License fee Rs. 1,50,000/- and training fee Rs. 7500/-
Arka Eggstra	5,00,000 (Training fee Rs. 10,000/-)
Arka Mealy Melt	5,00,000 (Training fee Rs. 10,000/-)
Arka Cucurlure	3,00,000 (Training fee Rs. 10,000/-)

In addition to the above mentioned License fee,

GST @18% is applicable

Technology Demonstration Fee is Rs 2000/- per technology for all except for Neem Soap and Pongamia Soap where the technology demonstration fee is Rs. 5000/-. Technology Demonstration Fee is Rs 10,000/- per technology for AMC.

**Director
ICAR-IIHR**