



Revised charges for Testing products  
of Private / Government Institutions.



**MAHATMA PHULE KRISHI VIDYAPEETH**  
**RAHURI, DISTRICT : AHMEDNAGAR**  
**(MAHARASHTRA)**

Univ. Reso. No. MTG-2(129)/ 2-33 /of 2022

Dated - 02/08/2022

- Read :-**
1. University Resolution No. MTG-2(129)/87/2013, dated 16 July, 2013
  2. Letter No.DOR/DDR/AS/6100/2021, dated 14<sup>th</sup> December, 2021 from DOR, VNMKV, Parbhani
  3. No.DOR/DDR-III/DRCC/4439/2022, dated 21/01/2022 from Chairman, DOR Coordination Committee, MPKV, Rahuri
  4. No.FBB-01/KSS/343/2022, dated 25/03/2022 from Registrar, Dr. PDKV, Alola
  5. Subject No. 7 - Resolution No. 4/(11/05/2022) approved by Executive Council special meeting held on 12<sup>th</sup> April, 2022.

The product testing charges were fixed in the past vide University Resolution referred to at Sr. No. 01 above. However, in view of increase in the cost of Agril. inputs (labour, fertilizer, pesticides fungicides) a decision regarding revision of existing product testing charges of various genotype, products, fertilizers, insecticides, fungicides, Agril. machineries, irrigation equipments, etc. it has been decided to revise the product testing fees for products of private as well as government institutions. In order to have uniformity on testing charges at all SAU's in Maharashtra State the revised rates are approved in DORCC held on 21/1/2022 referred at Sr. No. 3 above. Afterwards the revised product testing charges proposal was approved in Vice Chancellors Coordination Committee held on 25/3/2022 referred at Sr. No. 4. Therefore, the proposal was placed before the Executive Council in its special meeting held on 12<sup>th</sup> April, 2022 referred to at Sr. No. 5 above and it was approved by the Executive Council special meeting vide Resolution No. 4 (12/04/2022).

RESOLUTION:

In partial modification to the University Resolution referred to at Sr. No. 01 above and on approval accorded by the Director of Research Coordination Committee in its meeting on 21/1/2022 referred at Sr. No 3. Similarly, approval accorded by the Executive Council in its special meeting held on 12<sup>th</sup> April, 2022, vide Resolution referred to at Sr. No. 05 above. Therefore, Hon'ble Vice-Chancellor is pleased to order that, the testing fees for various products be charged as indicated in Annexure-I for products of private/ Government institutions on application and per terms and conditions prescribed by the University. These revised rates shall come into force with immediate effect.



This Resolution is issued with the concurrence of the Comptroller, vide his unofficial reference No. Cr- 702VC, dated. 25/ 07/2022

*Sd/-*  
**Registrar**  
**MPKV, Rahuri**

f.w.c.s. for information and necessary action to:

- 1) The Secretary to Government, Agriculture, Animal Husbandry, Dairy Development & Fisheries Department, Mantralaya, Mumbai-32
- 2) The Director General, MCAER, 132/B, Bhamburda, Bhosalenager, Pune-7
- 3) The Director of Research/ Instruction/ Extn. Education, MPKV, Rahuri
- 4) The Dean, F/Agriculture/ Faculty of Agril. Engg., MPKV, Rahuri
- 5) The Associate Dean (All)
- 6) The Head of Departments (All)
- 7) The Associate Director of Research (NARP) (All)
- 8) The Specialist (All)
- 9) The Principals of Agril. Technical Schools (All)
- 10) The Officer I/c of Res. Schemes/ Projects/ Institutes (All)
- 11) The University Engineer/ University Librarian, MPKV, Rahuri
- 12) The Planning Officer, MPKV, Rahuri
- 13) The Comptroller, MPKV, Rahuri
- 14) The Deputy Registrar (Admn.)/ (Acad.), MPKV, Rahuri
- 15) The Asstt. Registrars/ Asstt. Comptrollers/ PAOs (All)
- 16) The PA to Hon'ble Vice-Chancellor, MPKV, Rahuri

Copy f.w.c.s. to the Registrar, Dr. PDKV, Akola/ MKV, Parbhani/ Dr. BSKKV, Dapoli for information and necessary action.

  
**Deputy Registrar (Admn.)**  
**MPKV, Rahuri**

Appendix-I  
Revised of Product Testing Charges

Sr. No.	Particulars	Existing Testing Charges	Proposed Testing Charges	Remarks
1	Testing of liquid fertilizers, fertilizers, growth hormones, micronutrients, pesticides for bioefficacy, (per crop, per season, per product, per pest/disease), (In field/pot culture)			
	a)Cereals, oilseeds and pulses (Excluding Pigeonpea)	60,000/- Fields/Pot.	1,20,000/- Fields/Pot.	
	b)All vegetables	75,000/-Fields/Pot.	1,50,000/- Fields/Pot.	
	c) Cotton, pigeonpea, Turmeric and Ginger	75,000/- Fields/Pot.	1,50,000/- Fields/Pot.	
	d) Sugarcane			
	i)Suru	90,000/-	1,50,000/-	
	ii)Pre-seasonal	1,00,000/-	1,75,000/-	
	iii)Adsali	1,25,000/-	2,00,000/-	
	e) Banana, grapes, pomegranate, Strawberry and other fruits/Floriculture (Open field)	90,000/-	1,50,000/-	
	f) Protected cultivation of vegetables & flowers	1,50,000/-	3,00,000/-	
	g) Additional information about effect of pesticides for each study : Natural Enemies (predators, parasite) phytotoxicity and Compatibility	20,000/- each	30,000/- each	
	h) Weedicides/Herbicides testing in cropped area	60,000/-	1,20,000/-	
	i)Weedicides/Herbicides testing in noncropped area	50,000/-	1,00,000/-	
	j) Testing of seeds per sample for			As per the Govt. approved charges
	a) Physical purity/Germination percentagetest	200/-	--	
	b) Genetic purity	500/-	--	

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	c) DNA finger printing		20,000/-	30,000/-
	d) Charges for issuing certificate of Bio-technology laboratory		50,000/-	80,000/-
	k) Testing of grapes fruit bud differentiation of farmers sample (per sample)		200/-	1000/-
	l) Charges for testing the product against more than one pest/disease in the same experiment		25% for every additional pest /disease	25% for every additional pest /disease
	m) Charges for follow up trial		Full charges as per crop	Full charges as per crop
	n) In addition to above, additional charges for soil and plant analysis result of each study		10,000/-	25,000/-
	o) Testing of biofertilizer/bioagents/biopesticides/Biostimulants		Full charges as per product/crop/season	Full charges as per product/crop/season
2	Azadirachtin content (Neem based ) for Lab. Analysis		10,000/-	25,000/-
3	a) Spore count and cfu at $10^{-6}$ , $10^{-7}$ dilution, pH, Moisture content and other contaminant in Biofertilizer / Biopesticide		3,000/-	10,000/-
4	Analytical test report of biofertilizers/biopesticides company		5,000/-	10,000/-
5	Harvest time residues in consumable products per product/crop/season (Fruit/Vegetable/Cereals/Pulses/ Milk/ Meat) Company sample Sole Insecticide Combination product Farmers sample		1,00,000/- - 15,000/-	1,50,000/- 3,00,000/- 30,000/-
6	Dissipation studies on one crop or soil for season		1,50,000/-	2,00,000/-

7	Analysis of shelf life study of processed product Sensory evaluation Microbial parameters Chemical parameter	As per crop	25,000/- 25,000/- As per Sr. No. 13 (VI - analysis of food)	
8	Testing of varieties/hybrids per entry/location/season For yield a) Short duration (One season crop) b) Long duration (more than one season-cotton, Pigeonpea, Sugarcane, Banana) c) for reaction to disease and pests (under protected condition) d) Fees for conducting trials on transgenic crop	50,000/- 75,000/- 25,000/- 1,50,000/-	1,00,000/- 1,50,000/- 50,000/- 3,00,000/-	Subject to approval of the Commissioner of Agriculture, Govt. of Maharashtra
9	Mineralization / transformation/release pattern of manures, fertilizers micronutrients formulations in lab	50,000/-	1,00,000/-	
10	Irrigation Systems/Equipments			
	a) Testing of drip/sprinkler set without crop	Set to be retained + 50,000/-	Set to be retained with installation + 75,000/-	
	b) Testing of raingun without crop	Set to be retained + 50,000/-	Set to be retained with installation + 75,000/-	
	c) Testing of subsurface irrigation system without crop only Hydraulics	Set to be retained + 50,000/-	Set to be retained with installation + 75,000/-	
	d) Testing of drip / sprinkler set with crop	Set to be retained + 50,000/- + crop charges	Set to be retained with installation + 75,000/- + crop charges	
	e) Testing of raingun with crop	Set to be retained + 50,000/- + crop charges	Set to be retained with installation + 75,000/- + crop charges	



	Testing of subsurface irrigation system	Set to be retained + installation charges + crop charges	Set to be retained with installation + 1,00,000/- + crop charges
I1	Liquid / solid soluble fertilizers	Drip set to be retained + Rs.50,000 + product testing charges as per crop or Rs.75,000 + product testing charges as per crop	Drip set to be retained with installation + Rs.75,000 for liquid fert. + product testing charges as per crop or Rs.1,00,000 for solid fert. + product testing charges as per crop
I2	Roughness coefficient for pipes	a) PVC/HDPE pipes Rs.25,000/- b) GI/CI pipes Rs.30,000/-	a. PVC/HDPE pipes Rs.50,000/- b. GI/CI pipes Rs.60,000/-
	2. Pumping System a) Treadle pumps reciprocating/Bullock Drawn b) Centrifugal pumps monoblock / submersible	Set to be retained + 25,000/- Set to be retained + 25,000/-	Set to be retained + 50,000/- Set to be retained + 50,000/-

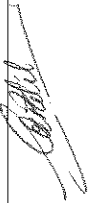
Note: 1) The fees for crop trials are for area not more than 10 R

2) For additional each 1R area will be charged @ 10 % of testing fees

3) Additional fees will be charged on the basis of area, number of treatments and replications.



Sr.No.	Particulars	Existing Testing Charges	Proposed Testing Charges	Remarks
13	Analysis of sample for various parameter / sample			
I	Soil			
	1.pH	25/-	75/-	
	2.Ec	25/-	75/-	
	3.Available N	100/-	200/-	
	4.Available P	100/-	200/-	
	5. Available k	100/-	200/-	
	6.Calcium carbonate	50/-	100/-	
	7.Organic carbon	60/-	150/-	
	8.Exchangeable Ca, Mg, Na and K	50/-each	100/- each	
	9.CEC	200/-	400/-	
	10. Analysis of soluble salts (Ca, Mg, Na, K, CO <sub>3</sub> , HCO <sub>3</sub> , Cl, SO <sub>4</sub> )	60/- each	150/- each	
	11. Lime requirement	100/-	200/-	
	12. Gypsum requirement	100/-	200/-	
	13. Micronutrients (Fe, Cu, Zn, Mn, B, Mo)	100/- each	200/- each	
	14. Mechanical analysis	150/-	250/-	
	15.Bulk density	75/-	100/-	
	16. Hydraulic conductivity	150/-	250/-	
	17. Water holding capacity	150/-	250/-	
II	Irrigation Water			
	1. Analysis of dissolved salts (Na, K, Ca, Mg, CO <sub>3</sub> , Cl, HCO <sub>3</sub> , & SO <sub>4</sub> )	60 /-each	150/- each	
	2.pH	25/-	50/-	



	3.EC		25/-	50/-
III	Plant and plant parts / fodder and feeds			
	1. Total Nitrogen		100/-	250/-
	2. Total phosphorus		100/-	250/-
	3. Total Potassium		100/-	250/-
	4. Ca, Mg, Na, and k		100/- each	250/- each
	5. Micronutrients (Fe, Mn, Zn, Cu)		100/- each	250/- each
	6. Ether extract		200/-	300/-
	7. Acid insoluble matter		100/-	200/-
	8. Moisture		100/-	150/-
	9. Water insoluble matter		100/-	200/-
	10. Ash		150/-	200/-
	11. Acidity		100/-	150/-
IV	Sewage			
	1. Total solids		150/-	300/-
	2. Nitrogen		150/-	300/-
	3. Phosphorus		150/-	300/-
	4. Potassium		150/-	300/-
	5. pH		25/-	75/-
	6. EC		25/-	75/-
	7. BOD		200/-	350/-
	8. COD		200/-	350/-
	9. Dissolved oxygen		100/-	400/-
	10. Micronutrients and heavy metals		150/- each	300/- each
V	Manures and fertilizers			
	1. Total N		200/-	400/-
	2. Total P		400/-	600/-

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	3. Ammonical N	100/-	200/-
	4. Nitrate N	100/-	200/-
	5. Water soluble P	400/-	600/-
	6. Citrate soluble P	400/-	600/-
	7. Water soluble K	150/-	300/-
	8. Total potash	200/-	400/-
	9. Acidity in ammonium sulphate	100/-	200/-
	10. Free acidity in super phosphate	100/-	200/-
	11. Acid soluble (CaO, MgO, NaO, K <sub>2</sub> O)	100/- each	200/- each
	12. Ash	200/-	300/-
	13. Moisture	200/-	300/-
	14. Organic carbon	300/-	400/-
	15. Humic acid	400/-	600/-
	16. Fulvic acid	400/-	600/-
	17. pH	100/-	150/-
	18. EC	100/-	150/-
<b>VI</b>	<b>Analysis of food</b>		
	1. Determination of oil quality, physical/ chemical parameters	1000/-	1500/-
	2. Determination of ascorbic acid in fruits/ vegetables	250/-	400/-
	3. Determination of polyphenols and tannins	250/-	400/-
	4. Determination of $\beta$ -carotene	250/-	400/-
	5. Determination of amino acids methionine & tryptophan	250/-	400/-
	6. Determination of plant pigment (Chlorophyll a + b)	250/-	400/-
	7. Determination of total amino acids or protein	250/-	400/-
	8. SDS-PAGE pattern of soluble proteins on slab gels or rod gels (Minimum 10 samples)	1000/-	1500/-
	9. Determination of Proline	250/-	400/-
	10. Determination of Reducing Sugars	250/-	400/-
	11. Determination of non-reducing sugars	250/-	400/-
	12. Determination of Crude Proteins	250/-	400/-

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13.	Determination of Crude Fiber	250/-	400/-
14.	Determination of amylase content	250/-	400/-
15.	Determination of Capsaicin content	250/-	400/-
16.	Determination Curcumin Content	250/-	400/-
17.	Determination of IVPD/IVSD	250/-	400/-
18.	Determination of Lysine content	250/-	400/-
19.	Determination of total P & phytate phosphorus	250/-	400/-
20.	Determination of trypsin inhibitor activity	500/-	700/-
21.	Evaluation of protein fractions	500/-	700
22.	Estimation of gossypol content	500/-	1000/-
23.	Determination of enzyme activity (Minimum 10 samples)		
	a. Peroxidase (POD)	250 / sample	400 / sample
	b. Polyphenol oxidase (PRO)	250 / sample	400 / sample
	c. Alfa-amylase	250 / sample	400 / sample
	d. Nitrate reductase	250 / sample	400 / sample
	e. Phenyl laninylase (PAL)	250 / sample	400 / sample
	f. Chitinase/ gulcanase	250 / sample	400 / sample
	g. Crude oil content	250 / sample	400 / sample
	h. Superoxide dismutase	250 / sample	400 / sample
	i. Ascorbate peroxidase	250 / sample	400 / sample
	j. Glutathione peroxidase	250 / sample	400 / sample
24.	Analysis of oleo-raisons	10000/-	20,000/-
25.	Analysis of processed fruits & Vegetable products, other food 25. products depending upon the analysis (per parameter)	750/-	1500/-
26.	Practical demonstration of single processed product of fruits or vegetables or bakery products	750/-	1500/-
27.	Analysis of carbohydrates -- Sugar, cellulose, hemicellulose, lignin, ADF, NDF etc. (Minimum ten samples or part thereof)	7,500/-	15,000/-



VII	Field testing of farm machinery and equipments (Tractor drawn)		
	1. Mould board plough	30,000/-	The field testing of farm machinery and equipments (Tractor drawn) charges will be as per the approved rates from the Additional Commissioner (Machinery), Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare (Mechanization and Technology Division) Govt. of India revised from time to time. The concerned revised charges confirmed by respective University.
	2. Disc harrow	30,000/-	
	3. Puddler	30,000/-	
	4. Seed cum fertilizer drill/ planter (field)	30,000/-	
	5. Field performance evaluation of power tiller	30,000/-	
	6. Levelling (Keni)/ Scoop	30,000/-	
	7. Weeder	30,000/-	
	8. Bund former	30,000/-	
	9. Ridger	30,000/-	
	10. Transplanter	30,000/-	
	11. Rotavaator	30,000/-	
	12. Cotton stalk puller	15,000/-	
	13. Thresher	30,000/-	
	14. Tractor trailer (four wheel)	30,000/-	
	15. Chaff cutter	30,000/-	
	16. Blade leveller	30,000/-	
	17. Cultivator	30,000/-	
	18. Sprayer (tractor drawn)	30,000/-	
	19. Sprayer (Power Tiller Drawn)	30,000/-	
	20. Sprayer (Battery/ Motor operated)	20,000/-	
	21. Tractor	75,000/-	
	22. Self propelled machines	30,000/-	
	23. Testing of solar operated light trap	5,000/ season	
	24. Testing of electrically operated light tap	5,000/ season	
	25. Agricultural trailer (Two wheel)	30,000/-	
	26. Any other implements/ tools	30,000/-	
VII	Hand tools/ manually operated		The field testing of farm machinery and equipments (Tractor drawn) charges will be as per the approved rates from the
	1. Sickles / Khurpeeetc	5,000/-	
	2. Seed, Cum Fertilizer Drill/ Planter	10,000/-	
	3. Weeder	10,000/-	


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	4. Thresher	10,000/-	Additional Commissioner (Machinery), Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare (Mechanization and Technology Division) Govt. of India revised from time to time. The concerned revised charges confirmed by respective University.	
	5. Chaff cutter	10,000/-		
	6. Cycle hoe	10,000/-		
	7. Coconut Dehusker	10,000/-		
	8. Sprayer pump	10,000/-		
	9. Tiller cutter (except prime mover)	35,000/-		
	10. Any other implements/ tools	10,000/-		
<b>IX</b>	<b>Bullock Drawn Implements</b>			The field testing of farm machinery and equipments (Tractor drawn) charges will be as per the approved rates from the Additional Commissioner (Machinery), Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare (Mechanization and Technology Division) Govt. of India revised from time to time. The concerned revised charges confirmed by respective University.
	1. Mould Board Plough	10,000/-		
	2. Disc Harrow	35,000/-		
	3. Puddler	10,000/-		
	4. Seed Cum Fertilizer Drill/Planter	15,000/-		
	5. Levelling (Keni)/Scoop	15,000/-		
	6. Weeder	15,000/-		
	7. Cultivator	15,000/-		
	8. Bund Former	15,000/-		
	9. Ridger	15,000/-		
	10. Transplanter	15,000/-		
	11. Sprayer	15,000/-		
	12. Bullock cart	15,000/-		
	13. Steel Wheel or Rubber Wheel Bullockcard	15,000/-		
	14. Sugarcane Earthing up Equipments	20,000/-		
	15. Multipurpose tool bar	25,000/-		
16. Any other implement/ tool	15,000/-			
<b>X</b>	<b>Performance testing processing equipments</b>		The field testing of farm machinery and equipments (Tractor drawn) charges will be as per the approved rates from the Additional Commissioner (Machinery), Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare (Mechanization and Technology Division) Govt. of India revised from time to time. The concerned revised charges confirmed by respective University.	
	1. Mini rice Mill	20,000/-		
	2. Composite Rice Mill	30,000/-		
	3. Modern Rice Mill	50,000/-		
	4. Clearer Cum Grader	15,000/-		
	5. Destoner	15,000/-		



6.	Paddy Husker	10,000/-	Welfare, Department of Agriculture, Cooperation and Farmers Welfare (Mechanization and Technology Division) Govt. of India revised from time to time. The concerned revised charges confirmed by respective University.
7.	Paddy Separator	15,000/-	
8.	Rice Grader	10,000/-	
9.	Bran Aspirator	10,000/-	
10.	Flour Mill	15,000/-	
11.	Pulveriser	15,000/-	
12.	Sugarcane Crusher	20,000/-	
13.	Shewai Machine	10,000/-	
14.	Papad Machine	10,000/-	
15.	Paddy Thresher	15,000/-	
16.	Juicer	5,000/-	
17.	Grinder	5,000/-	
18.	Poha Mill	20,000/-	
19.	Polisher	15,000/-	
20.	Pulse Mill	50,000/-	
21.	Oil Mill	50,000/-	
14.	<b>Spraying through Drone Technology</b>		
	a) Cereals, oilseeds and pulses (Excluding Pigeonpea)	--	
	b) All vegetables	--	
	c) Cotton, pigeonpea, Turmeric and Ginger	--	
	d) Sugarcane	--	
	e) Banana, grapes, pomegranate, Strawberry and other fruits/Floriculture (Open field)	--	
		5,00,000/-	
		5,00,000/-	
		7,00,000/-	
		8,00,000/-	
		10,00,000/-	

Note : The products/ items and their rates which are not covered above should be finalized at respective university level.

  
Deputy Registrar (Admn.)  
M. P. K. V., Rahuri

