

STANDARD LIST

DAIRY FARMER/ENTREPRENEUR (DFE)

SECTOR: Agriculture

SUB-SECTOR:

Animal Husbandry REFERENCE

ID.AGR/Q4101



State Council of Educational Research and Training (SCERT)
Vidyabhavan, Poojappura, Thiruvananthapuram - 695 012

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DAIRY FARMER/ENTREPRENEUR (DFE)
(QUALIFICATION PACK: Ref. Id.AGR/Q4101)
SECTOR: Agriculture

NSQF LABORATORY, LIST OF EQUIPMENT AND MATERIALS (FOR 30 STUDENTS)

Sl. No	Name of Item	Details	Number Required
1	Model of cattle shed – head to head system	Three-dimensional model, wood make (dimensions 3 ft × 2 ft area). The dimensions should be proportional to the actual scientific standard standards	1 No.
2	Model of cattle shed – tail to tail system	Three-dimensional model, wood make (dimensions 3 ft × 2 ft area). The dimensions should be proportional to the actual scientific standard standards	1 No.
3	Model of modern dairyfarm	Three-dimensional model, wood make (dimensions 3 ft × 2 ft area). Should include a standard cow shed of single row system, fodder cultivation plot, milking parlour, dung pit, biogas unit, isolation and quarantine room, calf shed etc. The dimensions should be proportional to the actual scientific standard standards	1 No.
4	Colour charts showing different breeds of cattle	Laminated charts of standard A 3 size. Each chart bearing 6-8 photos of different cattle breeds	2 No.
5	Colour charts showing different breeds of buffalo	Laminated colour charts of standard A 3 size. Each chart bearing 6-8 photos of different buffalo breeds	2 No.
6	Dummy/Model of cow	2 ft height made in wood or metal	1 No.
7	Chart showing body parts of cattle	Laminated colour charts of standard A 3 size.	2 No.
8	Milk analyser	For quality analysis of cow or buffalo milk (fat, SNF, water %, pH, conductivity)	1 No.

9	Chart showing classification of dairy products	Laminated colour charts of standard A 3 size.	1 No.
10	Chart showing different categories of value-added dairy products	Laminated colour charts of standard A 3 size. Each chart bearing 6-8 photographs	1 No.

Consumables

Sl. No	Item	Number Required	Remarks	Serial number in the original standard list
1	Microscope glass slides	2 Pack of 50 slides each	clear transparent microscope slides of 75x25x1.4 mm size	New addition
2	Microscope cover slips	3 pack of 100 pieces each	Transparent clear coverslips of 22mmx22mm size and 0.13-0.17mm thickness	New addition
3	Test tubes	12 Nos	Rimmed borosilicate glass test tubes of 10 ml capacity	New addition
4	Test tube stand	2 Nos	To hold 6 test tubes at a time, capable of holding both 25mm and 16mm diameter test tubes and bearing vertical pins to dry test tubes	New addition
5	Sample bottles - 100 ml	10 No.	Transparent, airtight, plastic container, wide mouthed bottles for storage of wet specimens of organs or tissues	No. 14 of consumables
6	Sample bottles - 250 ml	10 no.	Transparent, airtight, plastic container, wide mouthed bottles for storage of organs or tissues	No. 15 of consumables
7	Sample bottles - 500 ml	5 No.	Transparent, airtight, plastic container, wide	No. 16 of consumables

			moutherd bottles for storage of organsor tissues	
8	Petri dish	10 No.	Polystyrene Petri dishes with lid of 15mm x60mmsize	-

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