

**Products/innovations for the Virtual Exhibition on 10th August 2021
for Agriculture and Livestock Sector**

University	Product category	Innovative feature	Please mark your interest (x)
University of Ruhuna	Food product – Pumpkin seed Energy bar	Healthy, nutritious, Ready to Eat (high protein and high fiber)	
	Breakfast Cereal Yoghurt Cup	Ready to Eat, healthy balanced diet with an Innovative Cup	
	Multipurpose Foldable Mamoty	Angle changing blade	
	Govi-Nena Mobile Applications	Two mobile applications: Govi-Nena Farmer Application → provide contextual agricultural information and knowledge for commercial farmers Govi-Nena Home Gardening Mobile Application → provide step by step guidance for home gardeners for cultivation	
Rajarata University	Pull type single row maize seeder	Single row pull type maize seeder which can maintain constant intra-row spacing itself and can be control number of seeds per hill.	
	Portable, height adjustable safe smoker for bees	Portable, height adjustable safe smoker for bees	
	Development of Commercially Viable Dense Total Mixed Ration (TMR) briquettes for Dairy Cows using Locally Available Ingredients	The invention of a briquette from total mixed ration (TMR)	
	A pull-type bund plastering and canal (kiwulela) making machine.		
	A burial type lowland power weeder for row planted paddy		
Wayamba University of Sri Lanka	Crop Remote Sensing Technology for Early Plant Performance Checkup	Cost effective and early-stage recognition	
	Value added food product made by using Sri Lanka traditional rice varieties	A product from the traditional rice varieties	
	Biofertilizer for Rice	A bio fertilizer suitable for the new deficit in chemical fertilizers	

Uwa Wellassa	Natural flavor enhancer	To develop natural flavor enhancer from tomato as an alternative to MSG by using microencapsulation method	
	Naturally blue coloured probiotic ice cream	Naturally blue coloured probiotic ice cream incorporated with blue pea flower (<i>Clitoria ternatea</i>) and dehydrated banana flour	
	High-Quality Chitin and Chitosan	An Improved Extraction and Purification Method for Obtaining High-Quality Chitin and Chitosan from Sri Lankan (<i>Portunus pelagicus</i>) Crab Shell Waste.	
University of Peradeniya	Prototype for Selective Tea Harvesting Drone		
Eastern University of Sri Lanka	Herbal porridge mixtures from the root of <i>Asperagus racemosus</i>	Suitable for the patients who are suffering from Diabetic mellitus	
	Foliar fertilizer	Banana pseudostem has high nutrient content. It can be used as foliar fertilizer for vegetable crops	
	Cereal bars	Inclusion of Kurakkan flake and popcorn which is ideal for healthy snack	
South Eastern University	Agriculture (Nonchemical green Pest control products)	<ol style="list-style-type: none"> All in one red palm weevil pheromone gel (RPW Pheromone + Synergist plant volatiles + Nano gel dispenser) Drive back red palm weevil repellence gel (Slow-release gel dispenser incorporated RPW repelling plant volatiles) 	
University of Colombo	Nutritious rusk from a combination of Red Pumpkin flour and Rice flour	Nutritive and best quality rusk with grain flour and vegetable starch	
	Development of Nutritious Curry Cubes by using Mung Bean (<i>Vigna radiata</i>) And Cowpea (<i>Vigna Ungiculata</i>)	Value addition for grain legumes	
	Introduction of low-cost feed for Tilapia (<i>Oreochromis niloticus</i>) fry to feed at fingerling stage	Low-cost nutritious feed for food fish to sustain the industry	
	Water hyacinth-based Grow bags, Pellets and Hanging bags for raising vegetable plants in Urban Agriculture	Development of light containers /structures with an aquatic invasive weed in water resources	

Sabaragamuwa Universities	Nutritious rusk from a combination of Red Pumpkin flour and Rice flour	Nutritive and best quality rusk with grain flour and vegetable starch	
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	Introduction of low-cost feed for Tilapia (<i>Oreochromis niloticus</i>) fry to feed at fingerling stage	Low-cost nutritious feed for food fish to sustain the industry	
	Water hyacinth-based Grow bags, Pellets and Hanging bags for raising vegetable plants in Urban Agriculture	Development of light containers /structures with an aquatic invasive weed in water resources	
University of Moratuwa	Simultaneous crop health monitoring and spraying drone / Agriculture	Real-time crop health determination and crop-spraying Autonomous mission resumption upon refilling Portable, one-man operation Reprogrammable	
	RFID based mango monitoring and management system / Agriculture	Mango fruits growth online monitoring and management system	
	Intelligent water spraying vehicle for mango plantations / Agriculture	Automation water spraying vehicle for mango plantations	
Open University	Fully Automated Vertical Gardening Kit	Europhonics System and Ph sensor.	
	Ornamental orchid project	An internal mesh structure to hold the plant and the soil base and increase the moisture permeability. An array of lightning with the calibrated amount of lux to increase the photosynthesis in closed environments. A low power consuming circuit to automate and optimize the moisture levels around the soil base. Ultrasonic atomization to generate moisture. Floating table mechanism to increase atomization.	
	Soil Tester	This NPK tester. Data generating mechanism. Patent has been applied for this product	

Sri Jayewardenepura	Sugar	Low GI Sugar	
	Dairy	Calcium and Antioxidant enriched drinking yoghurt product (Moringcal)	
	Fertilizer	Slow Releasing fertilizers	
CINEC	Electrical, electronic & IT	Smart, Embedded & Effective Solution for Conventional, Small-Scale Poultry Farming System Special Features - <u>Alerting & controlling systems</u> (Temperature & humidity controlling / Light controlling / Watering / Alerting) <u>Remote monitoring</u> (Monitoring – Web page/ Controlling – Mobile application) <u>Specialties & Functionalities</u> (Remote monitoring via web page and mobile application/ Physical monitoring via LCD screen/ Default parameter settings via mobile application & SMS/ Quick notifications when changes happened)	
	Electrical, electronic & IT	An Automated Plant Health Monitoring and Growth Sustenance System Special Features - <ul style="list-style-type: none"> • Plant stress monitoring system • Predicts plant growth indices • Plant health monitoring system • Feedback control system to maintain healthy plant growth 	

We are interested in contacting the Universities marked above to obtain further information.

Name of Company

Address

Contact Officer

Designation

E-mail Mobile

Date