

**THE EASTERN AGRI-TECH GROWTH INITIATIVE**

Name of Applicant	Amount of Grant Received by Applicant	Financial Year	Date Application Approved	Description of Project
NIAB (Eastern Agri-Tech Innovation Hub)	£600,000.00	14/15	22/04/2014	To create a new Agri-Tech innovation centre with a particular focus on addressing waste in the food chain and recycling opportunities.
Pangaea Agrochemicals Ltd	£57,450.00	14/15	30/05/2014	Research into a new method for controlling resistant Black Grass.
Lane Farm Country Foods	£90,000.00	14/15	30/05/2014	To support the upgrading of premises to boost production and growth of the company's products.
Arjun Tech/Kisan Hub (project 1)	£54,665.03	14/15	30/05/2014	To develop and trial a Crop Yield Prediction, Irrigation and Fertiliser recommendation model that uses satellite data and meteorological information to support on the ground decisions by farmers.
Dofy Gate Ltd	£44,502.63	14/15	30/05/2014	To support the development and manufacture of the agricultural market's first solar powered portable farm gates.
Glebe Farm Foods Ltd	£150,000.00	14/15	21/08/2014	To support the purchase of plant to dehull and mill oats for increased production of gluten free oats.
Nelson County Ltd	£18,426.00	14/15	21/08/2014	To investigate alternative methods to agrochemicals for suppressing early sprouting of stored potatoes.
Park Farm Prawns Ltd	£43,089.00	14/15	21/08/2014	The project is to develop the hatchery for the production of fresh tropical prawns for the UK market.
J.A. Collison & Sons	£111,999.16	14/15	21/08/2014	To support the purchase of a fully automatic, robotic flower processing and bunching line to help grow their business.
Robin Foster-Clarke	£59,332.50	14/15	29/09/2014	To investigate new methods of monitoring crop health by combining spectrums of light and imaging techniques and develop a spectral imaging and histogram databank.
SMART Biosystems UK Ltd	£60,000.00	14/15	29/09/2014	To develop an innovative Hydrolysis Biomass pre-treatment tank intended to be installed in anaerobic digester plants globally.
Hargreaves Plants Ltd Project 1	£42,482.20	14/15	29/09/2014	Research and development in to new varieties of Rhubarb.
Aponic Ltd	£28,359.00	14/15	29/09/2014	To support the creation of a plastic mould tooling for the manufacturing process of Aponic's innovative, domestic and commercial vertical growing equipment and research and develop future product innovations. Based on Aponic's development of its Vertical Aeroponics and Vertical Aquaponics growing systems, these systems can be used to grow food for individuals as well as on a commercial scale sustainably and efficiently, and uses less space, resources and does much less damage to the environment.
NIAB (Downey Mildew Project)	£60,000.00	14/15	20/11/2014	To develop novel diagnostic tests to confirm existence of downy mildew which are obligate plant pathogens and can cause widespread losses in yield in many crop species and of particular concern to growers and seed merchants.
Fountain Foods Ltd (Cauli Rice) R&D	£60,000.00	14/15	09/12/2014	The support the development of a new, long-life rice substitute made from cauliflower (cauli rice).

<b>Fountain Foods Ltd (Cauli Rice) Growth</b>	£110,000.00	14/15	09/12/2014	To support the purchase of new equipment to make cauli rice.
<b>Safapac Ltd</b>	£100,000.00	14/15	15/01/2015	To support the upgrading of Herbicide pilot plants to full production scale plants & address the seasonality of the business by increasing the all-year supply of agrochemicals to customers.
<b>iLevel Ltd</b>	£12,480.00	14/15	15/01/2015	To develop a remote monitoring system for the agricultural industry, in which information on levels of fuel, fertilisers and other liquids can be easily accessed and sent to devices via mobile apps.
<b>J.A Gilbert &amp; Son (Littleport) Ltd</b>	£150,000.00	14/15	26/01/2015	To support the building of an 1,800 tonne capacity combinable crop store with continuous flow dryer, to increase the company's productivity and improve efficiency when harvesting and drying crops.
<b>NIAB-DAVIDS Project</b>	£20,318.00	14/15	10/03/2015	The aim of the project is to develop and launch a commercial testing service that quantifies allelic variation within DNA samples: the application of the method to DNA extracted from food can be used to verify or test the varietal component(s) of a range of different products even if present within partially prepared or mixed forms.
<b>Sharp Systems Ltd (Project 1)</b>	£34,607.00	14/15	10/03/2015	To support the purchase of a Folding machine to fold metal.
<b>Diesel Dynamics Ltd</b>	£36,027.90	14/15	10/03/2015	To research an alternative fuel source for diesel vehicles, which would reduce the reliance on mineral fuels, exploit farm and food waste more effectively and be more cost-effective.
<b>Fountain Foods Ltd (Onion Store)</b>	£107,990.00	14/15	10/03/2015	To support the construction of an onion curing and storage facility which will enable the company to store onions to supply its on-site onion peeling plant year round but particularly in the May to July period where supplies are difficult, to supply primarily food/sauce/soup producers. The ability to store onions would enable offering this facility to local growers and thereby increase local onion production and reduce the need to import large volumes reducing vehicle movements and food miles and the opportunity to switch the expenditure of imported onions to local producers.
<b>CN Seeds Ltd (Project 1)</b>	£36,872.42	14/15	20/11/2014	To pilot an innovative and highly efficient system for plant breeding, starting with a new variety of Wild Rocket that would be resistant to plant diseases, such as mildew.

<b>Masteroast Coffee Co Ltd</b>	£52,500.00	15/16	10/04/2015	Grant supported two capital projects: a new bespoke "coffee bag" packing line to improve automation, productivity and provide capacity to expand within the airline travel sector, and a new specialist "Nespresso" compatible capsule packing line. This has led Masteroast to develop the world's first fully compostable coffee capsule.
<b>Omnisense Ltd</b>	£60,000.00	15/16	28/05/2015	To support the development and improvement of Omnisense's proprietary radio based cow positioning system on farms and build
<b>NIAB-Potato Yield Forecasting</b>	£57,483.00	15/16	23/06/2015	Research in to the development of a Potato Yield Forecasting model using satellite collected crop canopy data.
<b>Olympus Automation Ltd (project 1)</b>	£10,700.00	15/16	23/06/2015	The aim of the project is to develop a system that can simultaneously collate the print information from several different makers of check-weighers and store this in a central database. The information can then be accessed from a PC in the factory so that legal data can be produced for auditing etc. The proposal is to write a new application that will run on a server PC on the factory network. This 'check-weigher logging application' will listen over the network for batch data output by the check-weighers. OAL has identified a market opportunity arising from a requirement to automatically log batch data from check-weighers installed on food product production lines. Check-weighers check the weights of individual packaged food products to ensure that they are within allowable tolerances of accuracy and if outside of these then the process automatically rejects the package into a waste storage bin.

<b>Traditional Norfolk Poultry Ltd</b>	£150,000.00	15/16	23/06/2015	To support the purchase of equipment that will help meet the increasingly demanding standards of both customers and Freedom Food accreditors, as well improve efficiency and reduce waste of production.
<b>Sentry Ltd</b>	£20,522.00	15/16	30/06/2015	The aim of the project is to improve soil management by developing a new cultivator which would enable adoption of one-pass drilling of oil seed rape and sugar-beet. The company believes that a one-pass approach will not only reduce costs (fuel, labour, earth-wearing parts and maintenance) but will lead to less soil compaction, increased earthworm activity and improved drainage and aeration. It also believes that establishing oil seed rape on wider rows with a precision drill will lead to the crop developing a more branching growth habit resulting in better yields. The company wants to aid coulter penetration to ensure an optimum, even sowing depth by having a cultivator that can be close coupled to the drill, loosening soil in front of the drill coulters to achieve this.
<b>Tompsett Holdings Ltd</b>	£150,000.00	15/16	27/08/2015	To support the expansion of the existing packing and grading facility
<b>Sharp Systems Ltd (Project 2)</b>	£88,000.00	15/16	30/08/2015	To support the purchase of an intelligent laser cutting machine.
<b>Crop Systems Ltd</b>	£24,851.00	15/16	02/09/2015	Specialising in the design, construction and installation of crop storage controllers and equipment for the agricultural industry, the company will use the funding to research and develop a new crop store controller. The new controller will be web-based and have greater connectivity which will allow it to react and alert users to faults and environmental factors, such as colder weather which could affect energy costs. There are also plans to integrate the new equipment with solar panels, to optimise the farm use of the energy generated.

<b>Flint and Vine Ltd (formerly Flint Vineyard Ltd)</b>	£23,000.00	15/16	05/09/2015	<p>To carry out research on one of the UK's most promising grape varieties, the Bacchus grape. Flint &amp; Vine intends to use advanced and experimental winemaking techniques to produce premium wines. The company will carry out a number of scientific fermentation trials using the Bacchus grape to achieve the perfect taste, aroma and quality in the wines produced. Bacchus makes a wonderfully crisp and aromatic white wine, similar to New Zealand Sauvignon Blanc, and is gaining in popularity.</p>
<b>DR &amp; TJ Laurie Family Partnership</b>	£147,765.00	15/16	23/09/2015	<p>The project involves setting up a new business and egg production facility that is designed with innovation, energy efficiency and animal welfare at the forefront. The development is a self-sustainable free-range egg-laying facility for 16,000 birds that includes a heat exchange unit and separate air source heat pump that creates the ideal climate for the birds using fresh air and also creates warm air; state of the art nesting/laying system with automated feeding and separate waste and egg conveyors; automated egg grading, labelling and packing system; LED Lighting with wavelength control to fluctuate the light accordingly, and a rainwater harvesting system that filters the water to the drinker system for bird consumption.</p>

Olympus Automation Ltd (project 2)	£60,000.00	15/16	11/11/2015	<p>The aim of the project is to design, manufacture and prove the optimum coupling and docking solution by developing a precise and robust quick-release coupling and docking system that will allow the robot to repeatedly, quickly and accurately move multiple ingredient and processing vessels (pans) between appropriate dispensing and processing stations, e.g. ingredient dispensing, mixing, homogenising, cooking, cooling, packing, depending on the product being produced. With increasing consumer requirements for variation, better quality and healthier products, continuing downward price pressure and increasing competition the availability of disruptive technologies, including the company's revolutionary Steam Infusion process and advanced robotics, automated food production can now become reality. By linking proven state of the art cooking and materials handling technologies with automated robotic ingredient loading, foods manufacturing cells will emulate professional chefs at a lower cost, than traditional manufacturing methods. Known as APRIL, Automated Processing Robotic Ingredient Loading, the system will produce more</p>
Arjun Tech/KisanHub Project 2	£58,598.00	15/16	11/11/2015	<p>To enhance the company's enterprise software that helps large farming companies with their data management and decision making. The technology is a cloud-based enterprise platform that aggregates multiple data sets to assist with decision making, using hyper local satellite and meteorological information to support farming companies' on the ground operations, such as monitoring crop health and growth. This new project aims to further enhance the KisanSat application so farming companies anywhere in the world can have enhanced operational efficiency through the use of satellite imagery. This in turn will help to reduce input costs, boost returns and improve the efficiency of farming businesses. The new technology will have</p>
Kings Farm Foods (Project 1)	£19,458.15	15/16	11/11/2015	<p>To develop a range of healthy egg-based convenience products (mainly drinks), using eggs that farmers cannot sell to UK supermarkets. Traditionally, poultry farmers have not been able to sell "2nd grade" eggs due to minute changes in size, appearance and weight - despite their quality being unaffected. Farmers lose considerable amounts of money from the production of these eggs, but Kings Farm Foods aims to support local farmers by giving farmers a better price for their produce. By tackling food waste in the local area, Kings Farm Foods will not only create a product that is locally sourced and manufactured in Suffolk, but will also boost Red Tractor and Lion Code status; reinforcing the quality of the eggs used.</p>

<b>Herdsy Ltd</b>	£60,000.00	15/16	16/11/2015	Development of an electronic tag to monitor the welfare of livestock.
<b>Law Fertilisers Ltd</b>	£43,260.00	15/16	09/12/2015	The project will develop a granulation process to manufacture: bespoke trace element compounds, and a unique high quality phosphate fertiliser based on low cost by-products from the UK
<b>CN Seeds Ltd (project 2)</b>	£59,730.00	15/16	09/12/2015	CN Seeds Ltd are specialist growers of herb and baby-leaf seeds, who supply seeds to the horticultural industry worldwide. Having identified the need to produce plants that are resistant to overseas diseases, the project involves the building of a state-of-the-art testing facility to grow the business and boost sales and export potential. The new facility will link CN Seeds' previous grant to develop new varieties of Rocket, by allowing the company to not only test for native diseases, but strains of overseas diseases on site.
<b>Delta-T-Devices Ltd</b>	£60,000.00	15/16	24/02/2016	To develop a low-cost volume prototype soil/substrate moisture, conductivity and temperature sensor.
<b>Wrightfield Ltd R&amp;D (project 1 on hold)</b>	£0.00	15/16	24/02/2016	The aim of the research and development project is to take the USA based Low Atmospheric Pressure System (LAPS) technology and implement design changes that will make the equipment and processes suitable for the European and global markets. This will involve building an initial prototype development unit with a completely integrated live bird transportation system and seamless docking into the humane stunning chamber for transferring poultry into the processing plant. LAPS stunning has the potential to improve welfare of poultry at slaughter by eliminating the stress associated with live bird shackling.
<b>Wrightfield Ltd Growth (project 2 on hold)</b>	£0.00	15/16	24/02/2016	Linked with the based Low Atmospheric Pressure System (LAPS) R&D project, the aim of the project is to manufacture a complete working prototype (Proload and LAPS) for use as a demonstration unit for the poultry industry. If successful, this new process would replace existing handling systems.
<b>Entomics Biosystems Ltd (project 1)</b>	£60,000.00	15/16	16/03/2016	To investigate the transformation of food waste, most of which currently goes to landfill, into three sustainable fuels for plants, animals and vehicles. This transformation is achieved by leveraging the power of insects – specifically the Black Soldier Fly (BSF). BSF larvae efficiently convert organic waste into chemically complex fats and proteins inside their bodies. These compounds can then be refined into three high value products – biodiesel, high-protein animal feed and organic bio-pesticide – in a cheap, scalable and sustainable process.
<b>Elveden Farms Ltd</b>	£73,453.63	15/16	16/03/2016	Creation of a Strategic Potato Trail project for exploring how to address particular forms of blight and improve yield.

<b>3XT Ltd Trading As Rollagranola</b>	£101,000.00	15/16	16/03/2016	To support the expansion of the company's production of granolla products, with the purchase of equipment.
<b>Agricultural &amp; Mechancial Services Ltd</b>	£50,000.00	16/17	27/04/2016	To support the design and build of a palletiser for stacking, bags & sacks onto a pallet, with speeds of 15 – 20 tonnes per hour.
<b>The Earlham Institute</b>	£49,075.00	16/17	27/04/2016	The overall aim of the project is to improve a recently invented in-field phenotyping device and to make it more intuitive for use by agricultural practitioners. If successful, this device will solve substantial problems faced by agricultural practitioners such as: accurate timing for fertiliser and irrigation applications, the ability to spot pathogen infection earlier and predict the relationship between key growth stages and their responses to environmental stress such as frost, heat and weeds.
<b>Manasty Packing Ltd</b>	£46,623.15	16/17	27/04/2016	To support the purchase and commissioning of a new packaging line for dry food products such as confectionery and cereals.
<b>Beams Packaging Services Ltd (Project 1)</b>	£13,639.00	16/17	25/05/2016	To support investment in a bottle rinsing component to add to the process line.
<b>Dodman Ltd</b>	£19,672.00	16/17	25/05/2016	To develop a more robust calibration device that can calibrate machines to ensure that they are applying the same force to a sample for measuring the tenderness of peas. Testing determines the price paid to the grower. This would greatly enhance the value of the test and the confidence in the results produced, significantly reducing variability between machines at different locations. The existing system relies on the availability of fresh peas to calibrate the tenderometers which is normally only during the season, and because most tenderometers require calibration prior to the season this is very difficult. The alternative to out of season calibration is calibrated canned peas, but over the years these have proved inaccurate. Dodman believes the development of the test bar calibration system will mean year round calibration and a repeatable test that can be carried out on all of its tenderometers. If successful, the new machinery will help produce more accurate 'tenderness' results and less food waste.

<b>RoboScientific Ltd</b>	£53,000.00	16/17	25/05/2016	To develop new technology to make decay and disease detection in plants and livestock more accurate. The company is a world leading manufacturer of instruments that measure levels of odours in the air; known in the industry as Volatile Organic Compound (VOCs) analysers. The project will create prototype products that will have mass market appeal and be easy to use across many agricultural sectors worldwide. The technology can identify tiny changes in any organic material caused by decay in real time, helping farmers and growers to detect signs of disease, reduce waste and enhance the quality and size of crop yields. RoboScientific will make the software more user-friendly by producing a clear Yes/No result. This will allow the product to be rolled out to users of all abilities and not just trained scientists.
<b>GroPod Ltd</b>	£53,356.00	16/17	27/07/2016	GroPod has identified market demand for sweet potatoes for crisping. These are air freighted from Florida and there is a local processor keen to establish a supply system in Norfolk. The R&D project would seek to prove the concept of the Pod production on a pilot commercial scale and provide the evidence for upscaling this to meet the needs of the local processor. This would enable sweet potatoes for crisping to be produced in the local area, reducing carbon footprint and overall operating costs. The project will deliver an innovative assembly that puts together a number of proven techniques for the first time. And eventually to develop a commercial operation to deliver sweet potatoes to crisp producers; manufacture and sell Pods as a complete 'plug-in' model; support educational providers by providing Pods in order to demonstrate plant growth principles; and to consider how other exotic produce could be delivered via the Pod system.
<b>Dogtooth Technologies Ltd</b>	£60,000.00	16/17	27/07/2016	To develop the first strawberry harvesting robot designed to replace the hand-picking of strawberries. The initial phase of the project will see ten harvesting robots manufactured and offered to UK growers. The robots will be able to navigate rows of strawberries, detect and locate ripe strawberries, pick and check the fruit before placing them into a punnet. Following the initial trial, the company would seek to expand production and sell the harvesting robots to farms across the country. The overall aim of project is to develop technology to allow a single human supervisor to easily deploy and manage teams of robots.
<b>Chilford Hundred Ltd</b>	£30,000.00	16/17	27/07/2016	To support the company's expansion by purchasing new equipment and re-layout of the Winery to increase capacity to undertake more sub-contract winemaking and Degorging.

<b>Cambridge Animal Technologies Ltd (Project 1)</b>	£60,000.00	16/17	03/10/2016	To develop a livestock management product called "Smartbell" which is a wearable device that goes around the animal's neck and can send actionable alerts to the farmer's mobile device or computer. In a typical day, farmers managing livestock need to manage a wide variety of tasks from feeding and bookkeeping through to managing pregnant or ill animals. The Smartbell would help farmers manage these varying needs better by housing a customised set of sensors that collect data from each cow, including temperature, movement and activity, and then sending this information to the cloud and onwards to the farmer. The device uses complex algorithms to detect any anomalies that may need action or attention to help better inform the farmers of their livestock's needs and priorities.
<b>PS &amp; JE Ward Ltd</b>	£106,837.00	16/17	03/10/2016	To support the purchase and installation of a fully automatic, robotic flower processing and bunching line to help grow their business.
<b>Mood Foods Ltd</b>	£105,683.00	16/17	03/10/2016	To support the company's expansion buy fitting out a new chocolate factory and purchase of new production machine.
<b>PBD Biotech Ltd</b>	£60,000.00	16/17	24/11/2016	To improve the detection of live Mycobacterial infections faster and more accurately. These diseases can infect both humans (e.g. tuberculosis) and animals (e.g. Johne's disease) with potentially devastating consequences at an individual level, at public health level and in agricultural settings. These bacterial infections have major consequences in terms of animal health and productivity and can be passed to humans through infected food and dairy products. Importantly, existing tests tend to miss the infection in many animals therefore disease control is particularly difficult so a new technology for the more accurate identification of infected animals is required.
<b>HG Blake (Cotessey) Ltd</b>	£36,954.50	16/17	01/12/2016	To support expansion of the company's premises and introduction of a new integrated IT system which among other benefits, will improve product traceability.
<b>Hummingbird Technologies Ltd</b>	£150,000.00	16/17	24/01/2017	Hummingbird has developed an innovative data analytics and artificial intelligence platform for the management of cereal crop health, specifically wheat, barley and Oil Seed Rape. The project centres on Hummingbird offering an end-to end service for farmers involving data collection, data storage, data processing and data analytics.
<b>Howard Nurseries Ltd</b>	£14,999.08	16/17	24/01/2017	To create and produce a bespoke professional plant label in-house through investment in a professional full colour printer, media and die cutter system which would be a first for a UK horticultural business. The grant supported the purchase of the equipment required.

<b>Tropic Biosciences UK Ltd (project 1)</b>	£48,861.34	16/17	24/01/2017	The aim of the project is to add three commercially desirable traits to coffee plants, either separately or in combination and to produce initial material for subsequent multiplication and supply to commercial nurseries. The traits are lower caffeine; lower time to first harvest; and higher solubility. This will be achieved by editing the genome of the standard coffee robusta, having licensed the technique from genome editing companies. The traits will be developed into a robust, commercial variety by the company, ready to be made available under licence to growers. The variety will be developed in collaboration with key coffee companies to ensure market demand, acceptability and penetration.
<b>Hargreaves Plants Project 2</b>	£0.00	16/17	23/02/2017	Research in to micro grafting for production of Daphne and Blueberry properagation.
<b>Hirst Farms Ltd (Project 1)</b>	£21,768.90	16/17	23/02/2017	The project is to explore the feasibility of growing up to 400 hectares of blueberries solely for the freezing market in the Norfolk/Suffolk areas. The project will identify areas where blueberries can be grown before investing in growing the crop. Blueberries are extremely sensitive to soil, water and climatic conditions. The company identified a gap in UK production of blueberries grown in the UK specifically for the freezing market. All frozen blueberries sold in the retail market place are imported mainly from North and South America but also from Eastern Europe. Sales of frozen blueberries are increasing by over 15% per annum and unlike many other crops grown in the UK these are not a commodity so the opportunity is there for specific business set up to grow and mechanically harvest blueberries for the frozen market if growing conditions are favourable.
<b>Keith Mount Liming Ltd (Project 1)</b>	£12,000.00	16/17	14/03/2017	To develop a device that will fit to the back of a quad bike and will dip into the soil, taking samples and logging the results on to a computer. The research and development of this device will seek to eliminate potential inconsistencies and human errors when data is being interpreted. The correct soil pH is of paramount importance to crop and soil health, and ensuring the correct pH provides a balance for the availability of other crucial elements within the soil. The manual nature of current soil sampling means that samples are read and recorded by people. Therefore, the accuracy of the results is subject to personal interpretation of the colour of the litmus paper used to measure the soil's pH.
<b>Biomation Ltd</b>	£59,666.84	16/17	30/03/2017	The aim of the project is to determine whether the by-product waste generated by the East Anglian poultry industry can be used as the organic feed stream for Biomation's organic soil improving hydrogel and whether value chain enhancements in farming support the business case for establishing an East of England industrial scale production facility.
<b>Entomics Biosystems Ltd -Project 2</b>	£60,000.00	16/17	30/03/2017	Transforming food waste into agricultural inputs using Black Soldier fly larvea (phase 2).

<b>Techneat Engineering Ltd</b>	£65,291.77	16/17	30/03/2017	To support the purchase and installation of a rotational moulding machine to produce plastic pig farrowing pens (arcs) as replacements to metal pens. Traditionally, pig pens have been constructed in galvanised sheet. They eventually rust, with sharp edges, causing infected wounds in the animals. They are cold in winter and hot in summer. Condensation from the cold steel causes rotting straw which is another cost. The metal fabrication has ledges which tend to be a base for rotting material and disease.
<b>Haylock Mushrooms Ltd</b>	£77,395.31	17/18	02/06/2017	To support the expansion of mushroom growing facilities.
<b>Oakham Ales</b>	£150,000.00	17/18	02/06/2017	To support multi-phase expansion project to diversify into producing both lager and keg type beer products.
<b>BG Research Ltd (Project 1)</b>	£60,000.00	17/18	06/07/2017	The aim of this project is to determine the efficacy of large volume direct PCR based detection of a range of plant and animal pathogens. In the field of animal testing much less is known about the titre of viral infection. The aim of this project is to adapt existing Pirbright (the world reference centre for Foot and Mouth and Bluetongue) to this direct detection methodology. BGR has developed an automated testing method for soil pathogens, based around the smaller reaction, and this project will fund some large volume scale testing on verticillium to determine if the larger volume can increase the sensitivity level. An important part of the work will be to create a novel cap closure for the vessel that can hold a swab, such that animal tests can be run direct from a swab sample from infected animals.
<b>Iceni Diagnostics Ltd</b>	£56,607.55	17/18	26/07/2017	Development of on-farm diagnostics to test for Avian Influenza.
<b>Kings Farm Foods Ltd (Project 2)</b>	£10,000.00	17/18	26/07/2017	The aim of the project is to create a processing facility for the production of the "PECK" range of beverages using egg as the base ingredient. This was the subject of the previous R&D funded project. The processing unit will allow Kings Farm Foods to develop sales and new drinks and begin to supply nationally.
<b>Islands Cacao &amp; Chocolate Ltd (now called Firetree Chocolate Ltd)</b>	£36,750.00	17/18	27/09/2017	To support the purchase of Chocolate production equipment.
<b>Hirst Farms Ltd (Project 2)</b>	£60,000.00	17/18	27/09/2017	To support the extended research project into growing Blueberries in East Anglia (phase 2).

<b>Solid Spark Ltd</b>	£58,127.00	17/18	16/10/2017	Spotted Wing Drosophila (SWD), primarily attacks raspberries, blackberries (and other cane berries), and blueberries but may also infest strawberries, grapes, and stone fruit. SolidSpark proposes to address this problem by developing a low-cost automated, continuous insect detection and classification system that can be fitted and left in place without servicing for at least 1 year. The algorithms in the monitor will also be capable of being adapted to enable the monitoring of other common soft-fruit pests like aphids, red spider mite, western flower thrips and raspberry cane midge. However, this project will focus on detecting SWD in the first instance. This system will be a powerful new tool for use as part of an Integrated Pest Management approach and provide valuable information to both grower and agronomist.
<b>Tropic Biosciences UK Ltd (Project 2)</b>	£60,000.00	17/18	19/10/2017	This project focuses on solving critical issues in the global Cavendish Banana industry. The aim of the project is to add two commercially desirable traits to Cavendish Banana plants, either separately or in combination, and to produce initial material for subsequent multiplication and supply to commercial nurseries. The traits are (1) Extended Shelf Life and (2) Black Sigatoka Disease Resistance. This will be achieved by editing the genome of the standard Cavendish Banana. The traits will be developed into a robust, commercial variety under licence to growers. The company will develop its variety in collaboration with key banana companies to ensure market demand, acceptability and penetration.
<b>Tulipland Potatoes Ltd</b>	£23,387.00	17/18	19/10/2017	To support the purchase of new potatoe washing equipment.
<b>Beams Packakging Services Ltd (Project 2)</b>	£67,300.00	17/18	22/02/2018	To support the purchase a second fully automated bottling line to enable caompany to bottle larger formats of up to 1000ml.
<b>Thurlow Estate Farms Ltd</b>	£22,562.00	17/18	27/03/2018	The project involves replacing an existing grain drying system with a bespoke designed automated grain drying system, able to test moisture content which gives far better control.
<b>Camari Ltd</b>	£60,000.00	17/18	27/03/2018	To support the investment in a new pilot plant to enhance the company's volume processing capabilities from typical laboratory scale (1-5 litres) to manufacturing (5,000 Litres +) on several of their micronutrient agricultural formulations.
<b>Morton's Traditional Taste Ltd</b>	£4,881.41	18/19	23/04/2018	To support the development of a prototype roaster/drier/smoker for early harvested green wheat (commonly known as freekeh) and other heritage grains and to research best practice for harvesting premature grains and turn the green wheat into a nutritious cereal product.
<b>Cambridge Glycoscience Ltd</b>	£60,000.00	18/19	30/04/2018	To support the acceleration of the development of the company's patent-pending sugar substitute technology, with the aim of providing credible alternatives to sugar that can be used across the manufactured food industry.

<b>Cambridge Animal Technologies Ltd (Project 2)</b>	£24,352.00	18/19	30/04/2018	CATL was previously awarded funding to develop initial prototypes of SmartBell and the required algorithms to interpret cattle behavior. The project, led to new insights and revealed that in order for the product to be successful, not only the monitoring and the alerts are required but two key features were required. This follow on project will create an evolution of the system that significantly lowers its cost by developing the use of a simple Bluetooth receiver to allow small and medium farms to have a very low-cost alternative for full behavioural monitoring of their respective herds. The project will gather data from cattle collars developed with different blue tooth receivers and then test data integrity, consistency, range and battery performance.
<b>Outfield Technologies Ltd</b>	£34,286.00	18/19	04/06/2018	The project involves developing automatic image recognition capabilities to identify tree belts, hedgerows and individual trees from aerial imagery. This will allow farmers to better assess and manage tree belts and hedgerows which provide protection for crops, improve the local environment.
<b>Oakley Farms</b>	£18,832.22	18/19	20/06/2018	Oakley Farms has developed a unique curing process which extends the shelf life of pumpkins and squashes. This project aims to further refine what OF is currently doing; extend shelf life further by investigating & developing in-field treatments which will: reduce the rate of Nitrogen uptake; create a soil buffering capacity to reduce the risk of temporary nutrient (especially calcium) deficiencies; produce fruit with stronger cell walls & tougher skins which in turn will reduce on-field and in-store waste and enable the fruit to withstand curing, packing & last longer than the required 5-week storage period.
<b>Bio-Bean Ltd</b>	£40,000.00	18/19	20/06/2018	The company recycles waste coffee grounds as carbon-neutral logs and pellets for wood burners and other heating systems. The grant will support the purchase of 3 new briquetters machines which can produce coffee logs at up to four times the speed of the machines Bio-Bean currently use.
<b>Tropic Biosciences (UK) Ltd (Project 3)</b>	£28,431.00	18/19	26/09/2018	The aim of the project is to scale up Tropic Bioscience's proprietary technology platform to prove and deliver a high volume of genome edited proprietary plants ready for global field trials. A key part of the project is to invest in new equipment/larger lab space on the Norwich Research Park.
<b>AgriGrub Ltd</b>	£29,282.00	18/19	27/09/2018	Building on the earlier project begun by Entomics Biosystems Ltd which developed a process and technology for producing black soldier fly larvae from food waste by-product, the overall aim for the project is to put AgriGrub in a position where research and development can finish and production can scale up to process increased tonnes of waste as a fertiliser and might also be used to feed pets such as rodents and vertebrates.

<b>Bretts Storage</b>	£68,500.00	18/19	27/09/2018	To support the purchase and installation of an automated racking system as part of a significant expansion project at Bretts' Guyhirn depot.
<b>Crop Vax Ltd</b>	£47,250.00	18/19	10/01/2019	The proposed project involves demonstrating that the company's technology platform can be used to deliver pioneering crop protection products that protect crop plants (such as wheat) against fungal pathogens and protect them against septoria infection, one of the most destructive diseases associated with wheat in the UK.
<b>BG Research Ltd (Project 2)</b>	£60,000.00	18/19	10/01/2019	The aim of this project is to design assays / tests for UK notifiable diseases including classical swine fever, avian flu, Newcastle disease, Foot and mouth, Blue tongue and PRRSV. This covers a range of vet tests covering poultry, pigs, cows, sheep and goats and so will provide a wide commercial base but also test the technology.
<b>Xampla Ltd</b>	£60,000.00	18/19	28/02/2019	The project concerns the development of an entirely new class of biomaterial made from protein from pea plants which is organic, clean label, natural, food grade, with no synthetic crosslinking, is biocompatible and biodegradable. The aim is to design and manufacture the pea plant protein for supplying to the food and drink industry.
<b>Keith Mount Liming Ltd (Project 2)</b>	£12,500.00	18/19	28/02/2019	The aim of this project is to create a 'precision agriculture' based app for use in the field and office, in connection with the company's existing soil sampling services. The app would be best described as a soil nutrient data logging app with the ability to upload real time data, in the field, with the data linked to GPS coordinates. Primarily, the company will be using the app to upload multiple soil pH data points. In addition to pH, other data can be added including all soil nutrient information, soil type, soil moisture, soil temperature and soil compactions. An algorithm within the app will calculate different recommended application rates of lime to be applied within specified areas of the field determined by the severity of the deficiency in the soil. Once soil pH data has been uploaded, the readings will appear on a Goole Earth background field map and the readings will be located on their specific GPS coordinates. (At this point data can be immediately exported to 3rd parties for inclusion in farm software record keeping programmes such as Gatekeeper). This will considerably broaden the appeal of this app for resale purposes.
<b>Fielding Cottage Ltd</b>	£62,950.00	18/19	28/03/2019	To increase production capacity to meet the growing customer demand for goat's cheese. The grant will contribute to the construction of a steel framed building, which will be used to house refrigerated bulk milk storage and to the purchase of a 5000 litre cheese vat.

Sly Agri Ltd	£51,552.00	18/19	28/03/2019	To support the development of an entirely new rubber track system to fit on to a wide range of farm equipment. Rubber tracks are becoming more commonplace in agriculture. The main reason for the switch from tyre to track is all to do with ground pressure, soil disturbance and the ability to travel when weather otherwise prohibits the operation.
--------------	------------	-------	------------	--

Local Authority Area
East Cambridgeshire
Norwich & Cambridge
Suffolk Coastal
Cambridge City
North Norfolk
Huntingdonshire
North Norfolk
Mid Suffolk
Kings Lynn & West Norfolk
Mid Suffolk
Cambridge City
Kings Lynn & West Norfolk
East Cambridgeshire
Cambridge City
Kings Lynn & West Norfolk

Kings Lynn & West Norfolk
Peterborough
Forest Heath
East Cambridgeshire
Cambridge City
Kings Lynn & West Norfolk
South Norfolk
Kings Lynn & West Norfolk
East Cambridgeshire

Peterborough
Cambridge City
Cambridge City
Peterborough

Breckland
South Norfolk
East Cambridgeshire
Kings Lynn & West Norfolk
North Norfolk

South Norfolk

Mid Suffolk

Peterborough
Cambridge City
Mid Suffolk

Cambridge City
Fenland
East Cambridgeshire
East Cambridgeshire
Mid Suffolk
Mid Suffolk
Cambridge City
Forest Heath

North Herts
Kings Lynn & West Norfolk
Norwich
Peterborough
East Cambridgeshire
Kings Lynn & West Norfolk

East Cambridgeshire

Broadland

South Cambridgeshire

South Cambridgeshire

Cambridge City
Kings Lynn & West Norfolk
South Cambridgeshire
St Edmundsbury
Broadland
Rutland
Mid Suffolk

South Norfolk

Kings Lynn & West Norfolk

Great Yarmouth

St Edmundsbury

Mid Suffolk

East Cambridgeshire

East Cambridgeshire
South Norfolk
Peterborough
Huntingdonshire
South Norfolk
Mid Suffolk
Peterborough
Great Yarmouth

Cambridge City
Norwich
South Holland
East Cambridgeshire
St Edmundsbury
Peterborough
North Norfolk
Cambridge City

Cambridge City
Cambridge City
Kings Lynn & West Norfolk
Huntingdonshire
Norwich
East Cambridgeshire

Fenland
Cambridge City
Huntingdonshire
Cambridge City
St Edmundsbury
Broadland



South Holland