

Introduction of New Technologies

Item code	Description of plant/machinery/equipment	Eligible items	Ineligible
	Automated dairy shedding gate for redirection/isolation of individuals e.g. for insemination.	Automated dairy shedding gate.	Installation costs.
	Automated protected/ornamental crop feeding system to include dosatron, timer and sensors.	Automated protected/ornamental crop feeding system.	Consumables. Irrigation lines/tapes.  Installation costs.
	Automated animal identification system allowing identification of individual animals for subsequent recording and husbandry.	Automatic identification system for cattle, sheep or pigs.	Installation costs.
	Automated out of parlour feeders.	Feed station and transponders	Installation costs.
	Automated parlour washing system.	Automatic parlour washing systems.	Installation costs.  Consumables.  Conventional power washers.
	Automatic precision application of water to horticultural crops using a water gantry system to include data loggers, solenoid valves and computer controls.	Automatic watering system including gantry, moisture, temperature and humidity sensors, valves, data logger and central processor/software.	Installation costs.  Office PC.
	Combined electronic tag reader, recorder and processor and associated software which will allow identification and recording of an animal.	Combined electronic tag reader, recorder and processor and associated software for cattle sheep and pigs.	Electronic tags.  Annual Software support.
	Automated crop transplanting machines.	Crop transplanting machines.	Installation costs.

	Electronic cow heat detection system consisting of detection collars and processor.	Electronic cow heat detection system.	Installation costs.  Training in use of.
	Electronic data loggers/personal digital assistants (PDA) with associated software for specific purposes consisting of handheld devices for recording/viewing business information.	Datalogger/PDA with associated job specific management software.	Office PC.  Phone SIM and contract for PDA 's with phone function.  Annual software support.
	Electronic tag reader with associated software which will allow identification of an animal.	Electronic tag reader with associated software for cattle, sheep & pigs.	Electronic tags.  Annual Software support.
	IT environmental control system for pig and poultry houses that monitors and adjusts predefined environmental conditions such as temperature, humidity and CO <sub>2</sub> levels.	Complete environmental control system including sensors, fans, vent control and interface control /software for remote access.	Installation costs.  Office PC.
	Geographic information systems (GIS), Global Positioning Systems (GPS); comprising IT systems to collect, associate and utilize information such as yields based on geographical location.	GPS receiver.  Data logger.  GIS capable software.  Foliage sensor.  Combine yield mapping Equipment.  Tractor guidance system (light bar).  Tractor Self steering complete system.	Installation costs,  Annual costs for differential satellite navigation.  Cost of spreading equipment.  Office PC.

		Variable spreading rate equipment	
	IT environmental control systems for the horticultural industry that monitors and adjusts predefined environmental conditions such as temperature, humidity and CO <sub>2</sub> levels	Complete environmental control system including sensors, fans, vent control data loggers, thermal screens and interface control/PC software for remote access.	Installation and commissioning costs.  Office PC.
	Milk Collection jar meter facilitating automatic cow identification.	Milk meter.	Installation costs.
	Pregnancy scanner used to diagnose state of pregnancy in cattle, sheep or pigs	Pregnancy scanner for cattle, sheep or pigs.	Training in use of.
	Non-permanent "Spanish tunnel" structures allowing crops to be grown under protection.	Spanish tunnels	Installation costs.  Plastic covers.
	Web/IP based CCTV cameras for poultry/calving/lambing/farrowing facilities consisting of a video monitoring system accessible by any web browser equipped hardware (PC/laptop/PDA) from within the farm network or off farm via broadband.	IP Camera (wired).  IP Camera (wireless).  Camera recording software for multi camera systems	Broadband access.  Installation costs.  Site surveys  Annual support costs  Office PC  Security cameras.
	Weighing crate with electronic readout compatible with electronic recording system.	Weighing crate for cattle, sheep or pigs with electronic readout compatible with electronic recording system for cattle.	

Improved Animal Health and Welfare

Item Code	Description of plant/machinery/equipment	Eligible items	Ineligible
	Automated slurry scraping system to allow the effective and efficient transfer of slurry from cattle accommodation.	Automatic slurry system.	Installation costs.
	Clipping trailer specifically designed for efficient handling of sheep during clipping	Clipping trailer	Trailers for any other purpose.  Sheep hurdles/gates not part of the mobile system.
	Modern designed cow cubicles for cow accommodation leading to improved welfare.	Cow cubicles, minimum spend £500.	Installation.
	Mats/mattresses for cubicles leading to improved welfare and reduced bedding requirements. Mats must be fixed to floor.	Cubicle mattress and mats, minimum spend £500.	Installation.
	FECPAK units - a customized purpose built product containing all the equipment needed for calculating quick and accurate Faecal Egg Counts. Used to calculate potential worm burdens in sheep flocks using dung samples.	FECPAK Unit	Light source for microscope.  Disposables.
	Pig unit misters – a system to improve pig house environment, thereby reducing disease.	Pig unit misting system.	Installation costs.
	Mobile sheep dipping trailer specifically designed for efficient handling of sheep during dipping.	Mobile sheep dipping trailer.	Trailers for any other purpose.  Sheep hurdles/gates not part of the mobile system.
	Mobile Sheep handling unit consisting of a transfer unit (3 point linkage or wheeled) incorporating one or more of	Mobile sheep handling unit incorporating one or more of	Associated yard work related to positioning

	the following: guillotine gate, shedding gate, footbath, turnover gate and/ clamping system (combi clamp).	the following guillotine gate, shedding gate, footbath, turnover gate and/ clamping system (combi clamp).	equipment. Individual sheep hurdles.
	Mobile sheep shower trailer specifically designed for showering of sheep as an aid to pesticide control.	Mobile sheep shower	Sheep hurdles/ gates not part of the mobile system
	Sheep roll over crate for safe and efficient handling of sheep.	Sheep roll over crate.	
	Perforated rubber slat mats for fixing onto concrete slats, leading to improved welfare	Slat mats, minimum spend £500.	Installation.

Increased Hygiene Control and Product Storage

Item code	Description of plant/machinery/equipment	Eligible items	Ineligible
	Potato store drying equipment of the "letter box system" type for drying one tonne boxes of potatoes.	Fans, control system.	Electricity supply.
	Hydraulically driven tractor mounted yard sweeping brush with a sweeping width of 1.83 – 2.43 m. brush is made of polypropylene bristles. The item is normally attached to a link box	Tractor Mounted Yard Sweeping Brush.	Replacement brushes.  Link box.
	Vermin Proof Bulk all enclosed feed bin with minimum 4tonne capacity	Single chamber vermin proof bulk feed bins.  Split chamber vermin proof bulk feed bins.	Site preparation and installation.
	Standalone or portable wood chippers capable of reducing wood into smaller parts such as chips/sawdust.	Standalone wood chippers.  Portable/mounted wood chipper units that can be pulled behind a vehicle.	Hoppers for storing chips.

## Enhanced Occupational Safety and Business Efficiency

Item Code	Description of plant/machinery/equipment	Eligible items	Ineligible
	AI cubicles, handling facility to improve animal welfare	AI cubicles minimum spend £500.	Installation costs.
	Automated calf rearing system that allows the identification of calves and automatically mixes and dispenses the correct amount of feed on a little and often basis.	Automated calf rearing system including transponder.	Installation costs.
	Automated dry feeding auger system for pigs.	Auger system for dry feeding pigs.	Installation costs.
	Automated pig feed preparation and storage system for home milling and mixing.	Automated pig feed preparation and storage system for home milling and mixing.	Installation costs.
	Automated wet feeding system for pigs.	Computerised wet feeding system for pigs.	Installation costs.
	Calving gate incorporating dead-lock gate, for improved operator safety and animal welfare.	Calving gate/dead-lock gate.	Installation costs.
	Modern design crush gate for improved operator safety and animal welfare.	Semi-automatic or fully automatic crush gate with or without side locking gates.	Installation costs.
	Dead locking yokes for improved animal welfare through cattle handling and operator H & S.	Dead locking yoke banks, minimum spend £500.	Installation costs.
	Motorised forcing gate for collection pens/crushes.	Motorised Forcing gate.	Installation costs.
	Mobile crush runs with three point tractor linkage	Mobile crush runs.	
	Mobile galvanized cattle crush with wheels and draw bar kit or three point tractor linkage and frame if required. Incorporating one of a range of gate types. Design may include additional side	Mobile galvanized cattle crush. Accessories to include: Rear Gate, Side bars,	

	support bars, ratchet rump bar, back winch and/or hoof-trimming winch set.	ratchet rump bar, back winch, hoof trimming winch, head scoop.	
	Weighing platform for cattle crush.	Weighing platform for cattle crush.	

Enhanced Environmental Status

Item Code	Description of plant/machinery/equipment	Eligible items	Ineligible
	Weather stations for the purpose of disease and pest monitoring.	Weather stations and associated software	Installation, training
	Drills for introduction of clovers and other grasses into swards for renovation.	6m with control equipment  3m with control equipment	
	Tractor mounted post driver for purpose of hedge restoration/ field boundary maintenance leading to enhanced farm bio-security.	Tractor mounted post driver.	
	Steam boiler for soil/compost sterilization.	Steam boiler	Oil/gas tank.  Oil/gas.
	Soil Weed burner equipment to allow sterilization.	Weed burner	Oil/gas tank.  Oil/gas.
	Water harvesting pre fabricated covered tanks for collection and storage of rainwater, associated pumps, filters.	Pre fabricated covered water tanks , pumps and filters.	Site preparation and installation.  Tanks for purposes other than collecting and storing water.
	Soil aerators for aeration and relief of compaction	Tractor linked and trailed aerators.	
	Sub soilers for lifting and opening the sub soil leading to improved aeration and drainage	Tractor linked sub soilers.	

Manure Efficiency Technology (Sub theme to Enhanced environmental status).

Item Code	Description of plant/machinery/equipment	Eligible items	Ineligible
-----------	--	----------------	------------

	Injection slurry applicator tanker + spreading system for increased efficiency of slurry application on grassland and other crops	Tanker and injection system	Tanker only.
	Trailing shoe slurry applicator tanker + spreading system for increased efficiency of slurry application on grassland and other crops.	Tanker and Applicator.	Tanker only.

## Increased Energy Efficiency

Item Code	Description of plant/machinery/equipment	Eligible items	Ineligible
	Air scrubbers for automated air conditioning for removal of odour from pig housing.	Air scrubbers.	Installation.
	Atmospheric control system allowing automated operation of ventilation systems for pig units & poultry units	Atmospheric Sensors.	Installation. PC.
	Ebb and Flood benching allowing automated irrigation of protected crops.	Ebb and Flood benching.	Installation. PC.
	Recirculating pump facilitating automated recycling of water in protected crops.	Recirculating pump.	Installation.
	Biomass burners and boilers for heating and drying systems.	Biomass burners.  Boilers for heating and drying systems.	Installation.  Burners/boilers linked to domestic/dwelling installations.
	Delta bars or equivalent energy efficient heating system for farrowing houses and flat decks.	Delta bars or equivalent.	Installation.
	Equipment for measuring energy use. Systems to include data loggers for data analysis.	Data loggers and associated software.	Installation.
	Dairy unit heat exchangers to allow transfer of heat from milk cooling to be used for other on farm purposes eg calf rearing, hot water supply.	Heat exchangers	Installation.
	Energy efficient heat pad system for farrowing houses and flat decks.	Heat Pads, minimum purchase £500	
	Plate coolers incorporating water storage facilities for purpose of energy efficiency and improved milk hygiene quality.	Plate coolers incorporating water storage facilities to ensure water recycling	Installation
	Solar panel water heating	Solar panel	Installation,

	systems.	water heating systems	Domestic/dwelling installations  Planning permission fees
	Wind turbines for electricity production.	Turbines for production of electricity used on farm, excess production may be spilled to the grid	Installation.  Domestic/dwelling installations.  Planning permission fees.

In all case the following items are not eligible expenditure.

- Installation
- Commissioning
- Warranty
- Consumables
- Running costs
- Site works
- Training
- Planning permissions
- Interest Charges on Hire Purchase/Bank Loan facilities
- Charges incurred in tendering
- Computer hardware such as PC, laptop, printer etc
- Professional fees

This above list of ineligible expenditure is not exhaustive.