

Annex 3

Countryside Productivity Small Grant Scheme

- **Eligible items – Specification and Standard Cost**

Annex 3 - Specification and Standard Cost

Cattle Specific Equipment

Item No.	Cattle Specific Equipment	Specification	Standard Cost
SG1	Mobile Cattle Handling Systems	Mobile system consisting of race, crush (manual or squeeze crush) and penning for a maximum of 50 cattle (maximum of ten gates/ hurdles) on an integrated (built in) road legal trailer. The crush must have an anti-backing facility at the rear of the crush operated from outside the race. This can either be a U shaped rotating rump bar operated from a wheel outside of the crush or a sliding gate again operated from outside the crush with automatic head yoke and auto reset facility.	£10,200
SG2	Fixed Cattle Handling Systems	A corral system which provides a safe and effective holding area and race-way handling facility to attach to a cattle crush. The system can be erected to suit the requirements of the individual site and should consist of the following minimum specification of 2 metal holding pens, and gates, 1 circular metal forcing pen between 2.4-5m radius with side covers to prevent cattle from seeing to the side, leading to a straight or a curved race 3-5m (depending upon system) side covered length with closure gate which is fitted in the race. The handling system does not include the crush. All metal work to be either galvanised or powder coated. Painted crushes are not eligible.	£9,666

Item No.	Cattle Specific Equipment	Specification	Standard Cost
SG3	Cattle Crush (Automatic)	The crush must have an internal width of at least 720mm. The crush will have a fully automatic (self-closing) head yoke with auto reset facility. The sides of the crush must be able to be opened to give complete access to both sides. The crush must have an anti-backing facility at the rear of the crush operated from outside the race. This can either be a U shaped rotating rump bar operated from a wheel outside of the crush or a sliding gate again operated from outside the crush. The crush must be fully galvanised or powder coated. Painted crushes are not eligible.	£4,050
SG4	Cattle Crush (Manual)	The crush must have an internal width of at least 720mm. The crush must have a manually operated full length head yoke. The sides of the crush must be able to be opened to give complete access to both sides. The crush must have an anti-backing facility at the rear of the crush operated from outside the race. This can either be a U shaped rotating rump bar operated from a wheel outside of the crush or a sliding gate again operated from outside the crush. The crush must be fully galvanised or powder coated. Painted crushes are not eligible	£2,758
SG5	Squeeze Crush (Hydraulically operated)	Hydraulically operated squeeze crush with full length head yoke. The crush must have a sliding rear gate to act as an anti-backing device.	£10,360

Item No.	Cattle Specific Equipment	Specification	Standard Cost
R2-SG62	Squeeze Crush (Manually operated)	Manually operated squeeze crush with full length head yoke. The sides of the crush must be able to open to give access to both sides. The crush must have sliding rear gate to act as an anti-backing device. The sliding gate must be operated from outside of the crush. The crush must be fully galvanised or powder coated. Painted crushes are not eligible.	£4,794
SG6	Head Scoop (Cattle)	Restricts the side to side movement of the animal's head providing increased safety for the animal and operator and helps prevent the animal from collapsing.	£542
SG9	Cattle Auto ID Shedding Gate (auto drafting)	Gate linked to computer control/EID system to draft cattle into two groups automatically. Must have functionality to operate with digital weighing system.	£6,166
SG10	Foot Trimming add-on to Crushes	Hoof trimming attachment consisting of belly harness/support, front and rear leg winch with lifting strap and hoof blocks.	£659
SG11	Specialist Foot Trimming Crush	The crush must be specially designed primarily for foot trimming. With an internal width of at least 720mm, the crush will have a head yoke, rotating rump bar. The crush will be fully galvanised or powder coated. Painted crushes are not eligible.	£4,400
SG12	Calving Detectors	Detector system linked to phone/hand held device to alert when cow begins calving.	£199
SG13	Cluster Flush	System to back flush milking cluster to sanitise unit between cows. Cost is per cluster unit.	£1,013

Item No.	Cattle Specific Equipment	Specification	Standard Cost
SG14	Automated Footbaths	A footbath that will automatically fill, dose, flush and replenish.	£4,566
SG15	Heat Detection System - Base Unit	Automated system for the heat detection in cows based on motion detection.	£3,825
SG16	Heat Detection System - Collar or Ankle Band	Automated system for the heat detection in cows. Neck collars or ankle bands to measure motion associated with oestrous behaviour. Cost is per neck collar/ankle band.	£98
R2-SG63	Heat and Service Detector	Proximity based detection system using a collar based detector worn by the bull and reusable electronic tags. System includes detection collar and 50 reusable tags. The tag must not be used for animal identification in connection with cattle tracing requirements of BCMS. Maximum two systems per application.	£1,095
SG17	Real Time Milk Analysis	Milk sensors that can produce data on conductivity and milk constituents per cow in real time. Cost is per milk point.	£1,400
SG18	Hand-held Automatic Teat Washing System	Hand-held automatic teat washing brush which can wash, disinfect, stimulate and dries all in one visit to the cow. Maximum of two per applicant.	£5,950
SG19	Visual Image Analysis of Cow Body Condition Score	Camera based system which automatically assesses body condition score linked to EID.	£13,871
SG20	Badger Proof Feed Troughs	Cattle feed trough that includes rollers or other mechanisms, which reduce or eliminate the possibility of badgers making contact with feed. Cost is per trough.	£306

Item No.	Cattle Specific Equipment	Specification	Standard Cost
SG21	Badger Proof Lick Holders	Cattle mineral/supplement holder, which by design will eliminate the possibility of badgers making contact with the mineral/supplement. Cost is per holder.	£110
SG22	Rotating Cow Brush	A purpose built pivoted rotating cow brush with auto start stop suitable for 50 - 60 cows. Applicants allowed to apply for maximum one per 40 cows.	£1,286
R2-SG64	Swinging Brushes for goats and calves	A purpose build swinging rotary cow brush design specifically for use by small animals including calves and goats. Applicants allowed to apply for maximum one per 40 animals.	£964
SG23	Auto Cattle Weighing Equipment	Equipment which automatically weighs cattle without human intervention, linked to EID. This comprises of a weigh platform (often with water trough), EID reader and weigh head.	£6,843
R2-SG65	Calving Gate	A calving gate that incorporates a gate within the frame to swing around to safely restrain a cow. To include an adjustable full length head yoke, a locking chain to stop backward movement, removable side rails or access panels within the swinging gate to allow protected access for medical treatment, assisted birthing, suckling of calves or milking.	£490
SG24	Calf Milk Pasteuriser and dispenser	Mobile Colostrum/Waste Milk Pasteuriser and dispenser of minimum 150 litres. With built in mixer, temperature monitoring and remaining volume indicator. Battery powered to aid mobility and milk dispensing.	£7,033

Item No.	Cattle Specific Equipment	Specification	Standard Cost
SG25	Auto Calf Feeder with Washing Facility	Programmable milk feeder for calves, capable of individually feeding and monitoring calf intake. Able to alert if calf is not drinking or drinking less than normal. Must automatically self-clean feeding tube and teat between each feeding. Capable of feeding up to 40 calves individually. Cost is for one feed station.	£8,116
SG26	Additional Feed Station	Purchase of additional feed station for programmable milk feed for calves capable of feeding up to 40 calves. Up to maximum of 3 additional feed stations can be applied for.	£2,179
R2-SG66	EID Panel (race) Reader for cattle	Pair of antenna with built in reader, with bluetooth connection. Must be able to read HDX and FDX B tags.	£1,466

Sheep Specific Equipment

Item No.	Sheep Specific Equipment	Specification	Standard Cost
SG27	Mobile Sheep Handling Systems	System capable of holding and handling a minimum of 250 sheep with the aim to allow farmers to handle sheep on blocks of ground away from the main holding. Must include a gathering pen, forcing pen, drafting race, dosing race, side pens, the ability to fit footbath. The integrated trailer must be road legal. All metal work must be either galvanised or powder coated. Painted crushes are not eligible.	£7,487
SG28	Fixed Sheep Handling Systems	Fixed sheep handling system consisting of a gathering pen, forcing pen, drafting race, dosing race, side pens and the ability to fit plastic footbath. System capable of holding a minimum of 100 sheep. All metal work must be either galvanised or powder coated. Painted crushes are not eligible.	£3,337
SG29	Electronic Weigh Crate	Electronic weigh crate with Electronic Weigh System. The weigh system will be a digital weighing device with the ability to record individual animals and track the live weight gains. The system will be compatible for use with EID.	£4,832
SG30	Sheep Handler	Crate or clamp style sheep handler for efficiently dagging, dosing and sorting sheep.	£3,273

Item No.	Sheep Specific Equipment	Specification	Standard Cost
R2-SG67	Automatic Weighing and Drafting Crate for sheep	Using EID tags the crate must be able to automatically draft out animals based on current weight or any electronically saved data on the animal e.g. age, sex. The system must include auto drafting crate and control system with fully automated entry and exit gates. Note weigh bars and panel reader (weigh head or recorder are included within this spec).	£9,199
R2-SG68	Sheep Conveyor	Static twin belt conveyor designed for routine sheep work both 3m minimum length.	£9,700
R2-SG69	EID Panel (race) Reader for sheep	Single antenna with static / race reader, with bluetooth connection. Must be able to read HDX and FDX B tags.	£1,328

Pig Specific Equipment

Item No.	Pig Specific Equipment	Specification	Standard Cost
SG31	Fixed Handling System for Pigs	Suitable for adaptation in either indoor or outdoor production systems. Pig race consisting of sheeted hurdles and gates. This must be a system which provides a safe and effective race-way handling facility capable of being connected to a weighing facility; either an individual crate or a weighing platform. The system can be erected to suit the requirements of the individual site and must consist of the following minimum specification: 2m x 1m hurdles lined with 9mm Stokbord sheeting or similar recycled sheeted material capable of cleaning and disinfection (Qty:10), 2m wide drafting gate in frame 50mm x 50mm, also Stokbord sheeted, race joiner, coupling pins (Qty:20). All items should be constructed as a minimum from galvanised but preferably in stainless steel, which is lighter, significantly stronger and resistant to corrosive attack from acidic disinfectants.	£2,100

Item No.	Pig Specific Equipment	Specification	Standard Cost
SG32	Electronic Pig Weighing and Sorting Facility	To be used in conjunction with an integral Electronic Data Management System. Automatic electronic system for sorting pigs by weight and profile using 3D camera technology and digital weighing. With the ability to record live weights for individual pigs and auto drafting to sort into specific weighs or physical characteristics. Suitable for use in both indoor and outdoor production systems. The facility will have a computer or mobile device interface to an integral electronic data management system. Capable of weighing pigs from 7kg to 250kg. System consists of a weigh crate, 3D cameras, weigh platform and two auto segregation gates	£2,900
SG33	Enclosed Piglet Creeps with Heat Pads	Both capable of thermostatic control to optimise energy efficiency. Made from GRP (glass-reinforced plastic) insulated panels, suitable for effective cleaning and disinfection. They feature purpose built elements to ensure even heat distribution over the whole surface area thus allowing all piglets' access to warmth. The power cable is protected from animal damage by a flexible stainless-steel tube. Pads are available with or without a sensor along with a temperature controller capable of running up to 1800 watts. Each creep being purchased must include heat pads. Heat pad or creeps on their own are not eligible.	£387

General Livestock Specific Equipment

Item No.	General Livestock Specific Equipment	Specification	Standard Cost
SG7	Electronic Weigh System (all species)	Digital weighing device with the ability to record individual animals and track the live weight gains must have the functionality to operate with auto drafting. The device must have the ability to be connected to a computer or mobile device to download collected information. Weigh bars are separate item (see below).	£1,700
SG8	Weigh Bars (all species)	Load bars or a platform to operate with cattle crushes, sheep or pig crates. Capable of weighing up to 2000kg.	£1,150
R2-SG70	Positive Pressure Tube Ventilation Systems	The system is aimed at supporting natural ventilation. The system pushes clean fresh air into the building using an internal horizontal fabric tube stretching the length of the building with holes cut to direct the air where needed. The cost includes wall mounted fan which draws fresh air into the building and an internal fabric tube.	£1,433
R2-SG71	Cameras for monitoring livestock	IP Camera for monitoring livestock. Outdoor rated IP66 with Pan Tilt and Zoom (PTZ), day and night vision. Infrared range of 50m minimum, 18x zoom minimum. 1080 pixels minimum. Must be compatible with online viewing app for phone or tablet.	£255
R2-SG72	Grassland Sward Lifters	Machine must have cutting disc in front of each leg. Minimum three legs with adjustable depth control (at least to 300mm) on the legs and a packing roller to leave a consolidated level finish. Shearbolt or hydraulic reset.	£7,397

Item No.	General Livestock Specific Equipment	Specification	Standard Cost
R2-SG73	UV Water Treatment System	For the treatment of water to be used in the feeding of livestock or irrigation of horticultural crops. In line UV water treatment system must be capable of treating at least 30 litres per minute (55 Watt power consumption). System must be WRAS approved. Maximum 10 units per application.	£667
SG34	EID Hand Held Recorder Device	EID handheld device with RFID technology for individual reading and recording of animals, must be able to record information including breeding, births, weights, treatments, movements. Must be capable of exporting data to a computer based software package for the active monitoring of livestock.	£1,222
SG35	EID Hand Held Device (stick reader)	EID hand held device (stick reader) with RFID technology for individual reading of animals. Must be capable of scanning tags and storing data, with the ability to connect wirelessly to phones or other devices. Must be able to read HDX and FDX B tags.	£550
SG36	Auto EID Drench Gun	A drenching gun that wirelessly communicates with a weigh head to automatically adjust the dosage of drench or pour on, depending on the animal's weight.	£850
R2-SG74	Vaccination Gun with RFID Reader for vaccination of livestock	A vaccination or dosing gun fitted with an RFID reader to enable recording of type batch and amount of medicine used. Must include wireless technology to allow downloading of accurate vaccination reports to computer, smart phone or I-pad. Maximum two per application.	£850

Item No.	General Livestock Specific Equipment	Specification	Standard Cost
SG37	Pasture Plate Meter (Hand-held)	A hand-held device to assess grass cover by measuring total height and the number of measures. The device must have the capability of storing separate paddocks and for the data to be downloaded to a computer.	£550
SG38	Pasture Plate Meter (Trailed)	A trailed device to assess grass cover by measuring total height and the number of measures. The device must have the capability of storing separate paddocks and for the data to be downloaded to a computer.	£2,650
SG39	Electric Fencer Energiser	Solar powered Electric Fencing Energiser providing at least 0.15 joules with integrated battery	£240
SG55	Robotic Silage Pusher	Robotic system with intelligent software and programmable for the intended feed passage. The equipment must have the capability to detect the distance from the feed barrier along with the amount of feed in the passage.	12,000
R2-SG75	Robotic Slurry Pusher/ Collector	Robotic system with intelligent software and sensors to allow the robot to navigate independently throughout the passageways. It must have built in sensors to avoid contact with the livestock. Cost includes robot and charging station.	13,500

Precision Farming inc. Horticulture Specific Equipment

Item No.	Precision Farming inc. Horticulture Specific Equipment	Specification	Standard Cost
SG40	GPS linked to auto steer and implement control	A standalone GPS unit with automatic field boundary measurement and field recognition. It must have a minimum capability of straight and curved guidance modes and be capable of linking to implement control and auto steer.	£1,366
R2-SG76	GPS Light Bar	GPS guidance system using light bar to aid guidance. Linked to iphone or ipad to create, recognise and load field boundary information. Provide field boundary measurements. It must have a minimum capability of straight and curved guidance modes. With pass to pass accuracy of 20cm or greater.	£1,303
R2-SG77	GPS Auto Steer	Auto steering system linked to GPS to enable auto steering to be used on older tractors. System to include electric, hands-free, automated steering system with easy installation onto steering wheel or column.	£1,855
SG41	Yield Monitoring	An electronic device to connect to a combine or forage harvester to monitor crop yield during harvest. It will provide information on harvesting rate, with total and partial area (field) yield of crop.	£4,730
SG42	Variable Rate Controller for sprayers and fertiliser spreaders	An electronic device to connect to an existing sprayer or fertiliser spreader for the purposes of variable rate application. The regulation system will work from either a pressure or a flow sensor and provide sectional control.	£4,625

Item No.	Precision Farming inc. Horticulture Specific Equipment	Specification	Standard Cost
SG43	Flow Rate Monitoring of slurry	Slurry flow meter, cab display/controller must be able to be linked to GPS to provide accurate record of slurry application. The system must be able to provide record of slurry applied by volume.	£4,506
SG44	Measuring nitrogen levels in crops using light reflectance	Tractor mounted sensor to determine the nitrogen status of the crop using light reflectance to enable real time variable rate Nitrogen fertiliser application. Offer includes sensor and linkage to variable control on fertiliser spreader.	£22,500
SG54	Direct Drill 3m	Tine or disc, zero till direct drill for arable and cover crops. Must be able to drill through a cover crop. A minimum width 3m. Grassland over seeders excluded.	£24,000
R2-SG78	Cover Crop Roller 3m	Front tractor mounted roller system to terminate and or bruise cover crops ahead of direct drill. 3m width.	£4,880
R2-SG79	Cover Crop Roller 6m	Front tractor mounted roller system to terminate and or bruise cover crops ahead of direct drill. 6m width.	£10,850
R2-SG80	Hand held device for measuring nitrogen levels in crops using light reflectance	Hand held sensor instantly measures and logs chlorophyll content or “greenness” of the plants to determine the nitrogen status of the crop using light reflectance. Enables increased accuracy for Nitrogen fertiliser application to be calculated for grassland.	£395

Annex 4

Countryside Productivity Small Grant Scheme

- **Eligible items by sector**

Annex 4 - Eligible items by sector

SG Number	Item	Dairy	Beef	Sheep	Pig	Goat	Deer	Buffalo	Poultry	Arable	Horticulture
SG1	Mobile Cattle Handling Systems	X	X					X			
SG2	Fixed Cattle Handling Systems	X	X					X			
SG3	Cattle Crush (automatic)	X	X					X			
SG4	Cattle Crush (manual)	X	X					X			
SG5	Squeeze Crush (hydraulically operated)	X	X					X			
SG6	Head Scoop (cattle)	X	X					X			
SG7	Electronic Weigh System (all species)	X	X	X	X	X	X	X			
SG8	Weigh Bars (all species)	X	X	X	X	X	X	X			
SG9	Cattle Auto ID Shedding Gate (auto drafting)	X	X				X	X			
SG10	Foot Trimming add-on to Crushes	X	X					X			
SG11	Specialist Foot Trimming Crush	X	X					X			
SG12	Calving Detectors	X	X								
SG13	Cluster Flush	X						X			
SG14	Automated Footbaths	X	X					X			
SG15	Heat Detection System - Base Unit	X	X								
SG16	Heat Detection System - Collar or Ankle Band	X	X								
SG17	Real Time Milk Analysis	X		X		X		X			
SG18	Hand-held Automatic Teat Washing System	X									
SG19	Visual Image Analysis of Cow Body Condition Score	X	X								
SG20	Badger Proof Feed Troughs	X	X					X			
SG21	Badger Proof Lick Holders	X	X					X			
SG22	Rotating Cow Brush	X	X					X			
SG23	Auto Cattle Weighing Equipment	X	X					X			
SG24	Calf Milk Pasteuriser and dispenser	X									
SG25	Auto Calf Feeder with Washing Facility	X	X					X			
SG26	Additional Feed Station	X	X					X			
SG27	Mobile Sheep Handling Systems			X		X					
SG28	Fixed Sheep Handling Systems			X		X					
SG29	Electronic Weigh Crate			X	X	X					

SG Number	Item	Dairy	Beef	Sheep	Pig	Goat	Deer	Buffalo	Poultry	Arable	Horticulture
SG30	Sheep Handler			X		X					
SG31	Fixed Handling System for Pigs				X						
SG32	Electronic Pig Weighing and Sorting Facility				X						
SG33	Enclosed Piglet Creeps with Heat Pads				X						
SG34	EID Hand Held Recorder Device	X	X	X	X	X	X	X			
SG35	EID Hand Held Device (stick reader)	X	X	X	X	X	X	X			
SG36	Auto EID Drench Gun	X	X	X		X		X			
SG37	Pasture Plate Meter (Hand-held)	X	X	X		X		X			
SG38	Pasture Plate Meter (Trailed)	X	X	X		X		X			
SG39	Electric Fencer Energiser	X	X	X	X	X	X	X	X		
SG40	GPS linked to auto steer and implement control	X	X	X	X	X	X	X	X	X	X
SG41	Yield Monitoring									X	X
SG42	Variable Rate Controller for sprayers and fertiliser spreaders	X	X	X	X	X	X	X	X	X	X
SG43	Flow Rate Monitoring of slurry	X	X		X			X	X	X	
SG44	Measuring nitrogen levels in crops using light reflectance									X	X
SG45	Trailing Shoe Slurry System including Macerators	X	X		X				X	X	X
SG46	Dribble Bar	X	X		X				X	X	X
SG47	Shallow Injection Systems	X	X		X				X	X	X
SG48	Hose Reeler Umbilical	X	X		X				X	X	X
SG49	Trailed Compartmented Reeler	X	X		X				X	X	X
SG50	Heat Recovery Unit to pre heat water for existing hot water system	X		X		X					
SG51	Variable Speed Drive on vacuum pump for use in dairies	X		X		X					
SG52	Improving efficiency of Plate Heat Exchanger (PHE), including solenoid valve	X		X		X					
SG53	Hydraulic Ram Pumps (water)	X	X	X	X	X	X	X	X	X	X
SG54	Direct Drill 3m									X	X
SG55	Robotic Silage Pusher	X	X	X							
SG57	Humidity Controls for grain drying and dehumidifiers									X	
SG58	Grain Stirrers									X	
SG59	Digital Weather Station	X	X	X	X	X	X	X	X	X	X
SG60	Wide Area Network equipment to connect devices on farm	X	X	X	X	X	X	X	X	X	X

SG Number	Item	Dairy	Beef	Sheep	Pig	Goat	Deer	Buffalo	Poultry	Arable	Horticulture
SG61	Fibre Optic Networking Equipment	X	X	X	X	X	X	X	X	X	X
R2-SG62	Squeeze Crush (Manually operated)	X	X					X			
R2-SG63	Heat and Service Detector	X	X					X			
R2-SG64	Swinging Brushes for goats and calves		X			X		X			
R2-SG65	Calving Gate	X	X					X			
R2-SG66	EID Panel (race) Reader for cattle	X	X				X	X			
R2-SG67	Automatic Weighing and Drafting Crate for sheep			X		X					
R2-SG68	Sheep Conveyor			X							
R2-SG69	EID Panel (race) Reader for sheep			X		X					
R2-SG70	Positive Pressure Tube Ventilation Systems	X	X	X	X	X		X	X		
R2-SG71	Cameras for monitoring livestock	X	X	X	X	X		X	X		
R2-SG72	Grassland Sward Lifters	X	X	X		X		X			
R2-SG73	UV Water Treatment System	X	X	X	X	X	X	X	X		X
R2-SG74	Vaccination Gun with RFID Reader for vaccination of livestock	X	X	X	X	X	X	X			
R2-SG75	Robotic Slurry Pusher/ Collector	X	X		X			X			
R2-SG76	GPS Light Bar	X	X	X	X	X	X	X	X	X	X
R2-SG77	GPS Auto Steer									X	X
R2-SG78	Cover Crop Roller 3m									X	
R2-SG79	Cover Crop Roller 6m									X	
R2-SG80	Hand held device for measuring nitrogen levels in crops including grass using light reflectance	X	X	X		X		X		X	X
R2-SG81	Chlorophyll Meter									X	X
R2-SG82	Fruit Ripeness Spectrometers										X
R2-SG83	Mobile Vertical Frost Fans for vineyards and horticulture										X
R2-SG84	Plate Heat Exchanger (PHE) for cooling milk (plate cooler)	X		X		X		X			
R2-SG85	Thermal Image Camera	X	X	X	X	X	X	X	X	X	X
R2-SG86	Portable Carbon Dioxide Analyser				X				X	X	X
R2-SG87	Portable Ammonia Analyser				X				X		