

1. Home (<https://www.gov.uk/>)

# Farming Equipment and Technology Fund: Round 1 manual

From:

[Rural Payments Agency](#)

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1. Contents (<https://www.gov.uk/guidance/farming-equipment-and-technology-fund-round-1-manual>)

## Annex 3 – Eligible Items – specification and grant amount

This annex details the required Specification and Grant amount of eligible items.

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[Horticulture](#)

[Forestry](#)

[Resource Management](#)

[Precision and Analysis](#)

[Livestock Handling and weighing equipment](#)

[Other Livestock equipment](#)

[General](#)

Some items have a limit on the amount that you can apply for funding for. These are:

- FETF 23 UV Water Treatment System
- FETF87 Hand-held Automatic Teat Washing System
- FETF88 Heat and Service Detector
- FETF95, Additional Feed Station
- FETF102, Auto Vaccination Gun for livestock

For items which are new and not previously available under the Countryside Productivity Small Grant Scheme, the Item Number is shown with an asterisk\*.

Hide all sections

Horticulture ItemsHide

<b>Item Number</b>	<b>Item Name</b>	<b>Item Specification</b>	<b>Grant Amount £ (based on a quantity of 1)</b>
FETF1*	Electronic tray filling machine	Electronic tray filling machine to be eligible machine must be able to fill polystyrene trays, plug trays and shuttle trays. Machine must be able to fill 500 trays per hour. Machine must be capable of varying filling density to achieve optimal compaction for different seeding requirements. Must be capable of handling 600 mm x 400 mm trays. While the machine can be used as a standalone tray filler, to allow for future expansion the tray filler must be capable of being used with a conveyor belt system to allow incorporation into a fully automated seeding line or transplanting line.	5,938
FETF2*	Electronic row seeder	Electronic row seeder capable of easily handling small sized batches of trays. To be eligible the seeder must include row bar dibbling and seeding unit with vibrating covering unit. Unit must be able to process 2,000 rows of seed per hour. Must be capable of handling 600 mm x 400 mm trays. To allow for future expansion the unit must be capable of being used on a conveyor belt system to allow incorporation into a fully automated seeding line. Drum seeders are not eligible under this item.	10,470
FETF3*	Five row seeder	Manual push seeder which can sow a minimum of 5 rows. It must have soil openers at the front and roller(s) at the rear, and changeable seed wheels/rollers for different crops and spacing.	670

<b>Item Number</b>	<b>Item Name</b>	<b>Item Specification</b>	<b>Grant Amount £ (based on a quantity of 1)</b>
FETF4*	Paper pot transplanter	Double row, paper pot transplanter. Manually pulled, creates groove, plants transplant, and firms into place in one pass.	542
FETF5*	In row weeders 1.8 m	A system using precision camera guided hoes, to remove weeds from within horticultural crop rows. The system must be able to automatically distinguish the difference between the crop and weeds. Minimum working width 1.8 m.	24,139
FETF6*	Inter row hoe 3 m	A system using precision camera guided hoes, to remove weeds from between crop rows. Designed to be used at relatively high speed and to be able to automatically distinguish the difference between the crop and weeds. Minimum working width 3 m.	15,286
FETF7*	Inter row hoe 6 m	A system using precision camera guided hoes, to remove weeds from between crop rows. Designed to be used at relatively high speed and to be able to automatically distinguish the difference between the crop and weeds. Minimum working width 6 m.	20,949
FETF8*	Salad leaf harvester	Manual push harvester, 80cm minimum cutting width.	1,027
FETF9	Mobile Vertical Frost Fans for vineyards and horticulture	Selective Inverted Sink (SIS) fans for use in vineyards and on stone and soft fruit farms to prevent frost damage. The vertical axis fans must be mobile. Horizontal, tower or permanently sited fans are not eligible.	4,776

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF10	Fruit Ripeness Spectrometers	Handheld device for use in orchards to determine produce quality and harvest timing. Uses NIR (Near Infra-Red) to determine and measure DM (Dry Matter), total soluble solids, titratable acidity, and colour to determine ripeness.	3,061

Forestry ItemsHide

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF11*	Scarifying to aid tree planting	Unit should be capable of being towed by an agricultural tractor and/or forestry forwarder. Unit should be capable of at least discontinuous vegetation removal such as to allow direct planting into bare soil (i.e. no vegetation competition) either by: Scraping off the top layer of vegetation, leaving exposed topsoil for a weed-free planting position (scarifier). Turning over a sufficient volume of topsoil to create an inverted mound with the vegetation buried at the bottom of the mound and the planting position consisting of the inverted weed-free soil at the top of the mound (moulder). Unit should create discontinuous soil disturbance, for example, there should be no continuous (greater than 1 m in length) runs of bare soil as in ploughing.	12,280
FETF12*	Smaller self-propelled forwarders	Purpose-built wheeled frame steered forwarder with full forestry safety equipment fitted (Roll Over Protection, Operator Protection, and Falling Object Protection). Payload 2 to 6 tonnes. Minimum crane reach 3.5 m Minimum crane lift at 3.5 m = 300 kg of timber	24,467

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF13*	Harvesting head	Harvesting heads specifically for felling and initial processing of felled trees. Equipment must be able to fell, de-limb, and cut to required lengths. Harvesting head must have a fell/cut diameter of at least 300 mm and a feed speed of at least 4 m/s.	16,079
FETF14*	Tree shears capacity to fell 300mm diameter trees	Grip and hold shear harvester head with 360° rotator specifically for the cutting of small diameter trees, coppice, and brush. Must be able to cut trees up to 300 mm diameter.	3,219
FETF15*	Tree shears capacity to fell 650 mm diameter trees	Grip and hold shear harvester head with 360° rotator specifically for the cutting of small diameter trees, coppice, and brush. Must be able to cut trees up to 650 mm diameter.	15,940
FETF16*	Forestry grab or grapple	The grab or grapple must be specifically designed for handling felled trees and can safely pick up and hold large-felled trees. Must be at least 1,300 mm when fully opened.	939
FETF17*	Timber cranes	The crane can be either cab mounted mountable via three-point linkage to a tractor or purchased to fit on a timber trailer. Timber cranes specifically designed for extracting timber from woodland to ensure minimal disturbance to the soil and to flora and fauna. This item is to be fitted to existing tractors or forestry trailers. You should not apply for this item if applying for a forwarder where the crane is included as part of the specification. The crane must have a reach of at least 7 m and a lift capacity at this reach of at least 500 kg of timber. The crane must include rotator grab and valve block. Other forms of cranes are not eligible under this item.	5,391

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF18*	Forestry / timber trailers small	Forestry/timber trailers specifically designed for use in forests and woodland for the extraction of felled timber which will cause minimal disturbance to the soil and to flora and fauna. To be eligible the trailer must have no floor or sides and be fitted with permanent headboard and permanent bolsters. The vehicle must be fitted with low ground pressure tyres or automatic inflation and deflation system for the tyres. Must be fitted with lights etc. to be legal to use on public roads. The trailer must have a timber carrying capacity of at least 2,000 kg.	2,558
FETF19*	Forestry / timber trailers Large	Forestry/timber trailers specifically designed for use in forests and woodland for the extraction of felled timber which will cause minimal disturbance to the soil and to flora and fauna. To be eligible the trailer must have no floor or sides and be fitted with permanent headboard and permanent bolsters. The vehicle must be fitted with low ground pressure tyres or automatic inflation and deflation system for the tyres. Must be fitted with lights etc. To be legal to use on public roads. The trailer must have a timber carrying capacity of at least 9,000 kg.	3,642
FETF20*	Timber winches	These can be either tractor or forwarder mountable. To be eligible for grant funding winches must have automatic safety braking and be controllable remotely via an electric cable or radio control device. The winch must have a pulling force of 65 kN or above and be supplied with at least 9 m of wire rope.	3,400

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF21*	Rainwater harvesting minimum tank size 5000 litres	Rainwater harvesting system to collect water from roofs for use on farm or nursery. System purchased must include water tank with minimum capacity 5,000 litres, two stage pre filter for removing debris and soil from water before entering storage tank, electric pump to distribute water to required use, and a UV filter capable of treating at least 30 litres per minute @30 mJ/cm <sup>2</sup> or above. The UV filter must include auto shut off in case of power or bulb failure, to prevent untreated water from leaving the system.	939
FETF22*	Rainwater harvesting minimum tank size 50,000 litres	Rainwater harvesting system to collect water from roofs for use on farm or nursery. System purchased must include above ground water tank with minimum capacity 50,000 litres, 2 stage pre filter for removing debris and soil from water before entering storage tank, electric pump to distribute water to required use and a UV filter capable of treating at least 100 litres per minute @30mJ/cm <sup>2</sup> or above. The UV filter must include auto shut off in case of power or bulb failure, to prevent untreated water from leaving the system. Storage tank can be either plastic or circular galvanised steel with a liner.	3,678

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF23	UV Water Treatment System	For the treatment of water to be used in the feeding of livestock or irrigation of horticultural crops. To be eligible each unit will consist of a single bulb in-line UV filter and each unit must include auto shut off in case of power or bulb failure, to prevent untreated water from leaving the unit. Each unit must be capable of treating at least 30 litres per minute @30mJ/cm <sup>2</sup> or above (for example 55-Watt power consumption). System must be Water Regulations Advisory Scheme (WRAS) approved. Maximum 10 units per application.	229
FETF24	Hydraulic Ram Pumps (water)	Pump working by hydraulic pressure to raise clean water. Must include: the pump plus sediment chamber, pump chamber, drive pipe, distribution pipe, 5,000 litres (minimum) header tank, and return pipe. System assumes 20 litres/min flow, 3 m head with 10 - 20 m lift, 300 m delivery pipe and 2 spurs.	2,184
FETF25*	Irrigation sensor	Waterproof sensors with inbuilt battery that straps to hose reel or other irrigation equipment. Communicates with mobile phone, tablet and PC showing irrigation status, trolley speed. Alarm functions showing water pressure drop, trolley stop.	478
FETF26	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.	5,400

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF27*	Slurry separators	Screw press slurry separator capable of processing a minimum of 10 m <sup>3</sup> /hr with the resulting solid fraction of at least 30% dry matter. All other forms of slurry separation are not eligible under this item.	7,613
FETF28	Flow Rate Monitoring of slurry	An electronic device to measure and record application of slurry. The system purchased must include slurry flow rate meter and in-cab display/controller. The system purchased must be able to be linked to GPS to provide an accurate electronic record of slurry application by volume to specific field areas. Devices which do not link to GPS nor record and store data for later electronic downloading are not eligible.	2,134
FETF29*	Real time inline nutrient analysis of slurry	Nutrient analysis of slurry in real time during application using Near Infra-red (NIR) spectroscopy. System will analyse and record the level of Nitrogen, Phosphate and Potassium (N,P,K) during application. System must have the capability with aid of GPS to provide accurate application rates for each field application. System must be able to be retrofitted to existing slurry application equipment.	12,226
FETF30*	Nurse Tank minimum capacity 50 m <sup>3</sup>	Mobile nurse tank for handling and application of slurry and digestate. Minimum tank capacity 50 m <sup>3</sup> . Supplied complete with hydraulic braking, road lights, four outlet points and sight level glass.	11,400

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF31*	Nurse tank minimum capacity 100 m <sup>3</sup>	Mobile nurse tank for handling and application of slurry and digestate. Minimum tank capacity 100 m <sup>3</sup> . Supplied complete with hydraulic braking, road lights, 4 outlet points and sight level glass.	14,700
FETF32	Dribble Bar minimum working width 6 m	Dribble bar applicator, minimum 6m working width. To fit to slurry tanker or attach to flexible pipe/umbilical system. Includes macerator, stone traps and pipework to connect to tanker or umbilical system.	4,000
FETF33*	Dribble Bar minimum working width 10 m	Dribble bar applicator, minimum 10m working width. To fit to slurry tanker or attach to flexible pipe/umbilical system. Includes macerator, stone traps and pipework to connect to tanker or umbilical system.	8,354
FETF34	Shallow Injection Systems 3 m working width	Injection system to incorporate slurry under the soil surface. To fit to slurry tanker or attach to flexible pipe/umbilical system. Minimum working width 3 m. Includes macerator, stone traps and pipework to connect to tanker or umbilical system	8,250
FETF35*	Shallow Injection Systems minimum 6 m working width	Injection system to incorporate slurry under the soil surface. To fit to slurry tanker or attach to flexible pipe/umbilical system. Minimum working width 6 m. Includes macerator, stone traps and pipework to connect to tanker or umbilical system	8,984

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF36	Trailing Shoe Slurry System 6 m	Trailing shoe slurry applicator, minimum 6 m working width. To fit to slurry tanker or attach to flexible pipe/umbilical system. Includes macerator, stone traps and pipework to connect to tanker or umbilical system.	9,834
FETF37*	Trailing Shoe Slurry System over 8 m	Trailing shoe slurry applicator, minimum 8 m working width. To fit to slurry tanker or attach to flexible pipe/umbilical system. Includes macerator, stone traps and pipework to connect to tanker or umbilical system.	10,688
FETF38	Umbilical Hose Reeler for slurry application	Umbilical hose reeler for slurry application, random or compartmentalised, trailed or mounted. Must include a minimum of 400 m of hose.	2,231
FETF39	Trailed Compartmented Reeler for slurry application	Trailed compartmented reeler for slurry application. Must include a minimum hose length of 1600 m.	5,400
FETF40	Heat Recovery Unit to heat water	System to utilise the heat energy released by the milk refrigeration system used for cooling milk before entering the bulk tank. Energy recovered used to preheat water for existing hot water system. Cost includes connection to existing refrigerant system, connection to water supply, heat recovery tank with minimum 300 litre water capacity and connection to existing hot water system.	2,942

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF41	Plate Heat Exchanger for cooling milk (plate cooler)	Gasket plate heat exchangers to pre-cool milk before entering the bulk tank using cold water. Minimum continuous flow rate of milk 5,000 litres per hour. Other types of heat exchangers are not eligible, for example tube heat exchangers.	1,225
FETF42	Improving efficiency of existing Plate cooler	Control equipment to regulate cold water flow to match the flow of warm milk through existing plate cooler. To reduce water usage and maximise cooling efficiency of system, saving both electricity and water. The system installed under this item will include: flow sensor, automatic control system, solenoid valve, and storage tank (minimum 300 litres capacity) of warmed water for use elsewhere on the farm. This item does not include the purchase of a plate cooler, you should apply under FETF41 for funding towards a plate cooler.	1,357
FETF43	Variable Speed Drive for pumps and electric motors	Funding is towards the purchase of a variable speed drive for use with vacuum pumps, water pumps or other electrically driven systems where continuous running is normally required. The installation of a variable speed drive will allow the pumps and motors to only perform work when required, thereby saving energy over continuous running systems.	2,293

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF44	Direct Drill 3 m	<p>Direct drill for precision drilling of arable and cover crops, using either tines or discs to produce the seeding slot. To be eligible the drill must have a minimum drilling width of 2.9 m, must have no cultivation or seed bed preparation equipment in front of the seeding slot mechanism and the seed must be placed in the seeding slot. The drill must be able to drill through a fully established growing cover crop of at least 15 cm in height. Purchase must include seed hoppers. The drill must be able to drill the full range of arable and cover crops including cereals. The following are not eligible: Cultivators with over-seeders or broadcasters, minimum till drills, strip till drills, grassland over-seeders, and grassland broadcasters.</p>	12,054
FETF45*	Direct Drill 6 m	<p>Direct drill for precision drilling of arable and cover crops, using either tines or discs to produce the seeding slot. To be eligible the drill must have a minimum drilling width of 5.9 m, must have no cultivation or seed bed preparation equipment in front of the seeding slot mechanism and the seed must be placed in the seeding slot. The drill must be able to drill through a fully established growing cover crop of at least 15 cm in height. Purchase must include seed hoppers. The drill must be able to drill the full range of arable and cover crops including cereals. The following are not eligible: Cultivators with over-seeders or broadcasters, minimum till drills, strip till drills, grassland over-seeders, and grassland broadcasters.</p>	25,000

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF46	GPS Light Bar	GPS guidance system using light bar to aid guidance. Linked to smart phone or tablet 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 minimum pass to pass accuracy of 20 cm.	480
FETF47	Assisted steer system (Retro-fitted) for older tractors	Assisted steering system linked to GPS to enable auto steering to be used on older tractors. For the system to be eligible it must include electric, hands-free, assisted steering system, with installation onto steering wheel or replacement of steering wheel with assisted steering device. Applications for software or activation codes for existing / pre installed auto steering system only are not eligible.	1,051
FETF48*	Real time inline forage crop analysis.	Analysis of forage crops in real time during harvest using Near Infra-red (NIR) spectroscopy. System will analyse and record the level of dry matter, crude protein, starch, crude fibre, sugar and crude ash. The system will also have the ability through analysis of dry matter content to automatically control silage additive application rates. System must be able to be retrofitted to existing forage harvesters.	12,250

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF49	Measuring nitrogen levels in crops using light reflectance	<p>Tractor mounted sensor to determine the nitrogen status of the crop using light reflectance to enable real time variable rate Nitrogen fertiliser application. The system must include sensors, mounting frame to the tractor and linkage to the variable control on the fertiliser spreader to enable automatic control of the application rate of nitrogen fertiliser while in operation. To be eligible the system must be able to automatically control application of fertiliser and record application rates.</p>	11,250
FETF50	Variable Rate Controller for sprayers and fertiliser spreaders	<p>An electronic device to connect to an existing sprayer or fertiliser spreader for the purposes of changing the rate of application automatically without operator input. The regulation system will work from either a pressure or a flow sensor and provide sectional control. The system must be able to record application rates applied and download to computer. The system must include variable rate controller, in-cab display and software. Applications involving only the purchase of software or activation codes for existing control systems are not eligible. If you are not intending to purchase an in-cab display but use an existing display you should not include this item in your application. You cannot use a display included in FETF51 'Yield Monitoring' for this item. You must purchase a variable rate controller and in-cab display.</p>	1,850

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF51	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. Must include purchase of yield sensor for combine or forage harvester, in-cab display and software for downloading to computer. Applications involving only the purchase of software or activation codes for existing sensors and displays are not eligible. If you are not intending to purchase an in-cab display but use an existing display you should not include this item in your application. You cannot use a display included in FETF50 'Variable Rate Controller for sprayers and fertiliser spreaders' for this item. You must purchase yield sensors and in-cab display.	1,600
FETF52	Pasture Plate Meter (Hand-held)	A handheld device to assess grass cover by measuring total height and the number of measurements taken. The device must have the capability of storing measurements taken from separate paddocks and for the data to be downloaded to a computer or mobile device. Plate meters that are not able to store data electronically for later electronic transfer are not eligible.	220
FETF53	Chlorophyll Meter	Handheld device to instantly measure and log chlorophyll content of individual plant leaves to assist in detecting yield-limiting deficiencies or costly over fertilising.	490
FETF54	Controls for continuous grain dryer	Continuous dryer control system designed to continuously monitor the running of bulk grain. Dryer controls can be accessed by mobile phone.	2,789

<b>Item Number</b>	<b>Item Name</b>	<b>Item Specification</b>	<b>Grant Amount £ (based on a quantity of 1)</b>
FETF55	Grain Stirrers	Grain stirrers installed within a flat store which move across the grain on a gantry.	7,358

Livestock Handling and Weighing ItemsHide

<b>Item Number</b>	<b>Item Name</b>	<b>Item Specification</b>	<b>Grant Amount £ (based on a quantity of 1)</b>
FETF56	Mobile Cattle Handling Systems	<p>Mobile system consisting of race, crush (manual or squeeze crush) and penning to provide a gathering pen and holding pen on an integrated (built in) road legal trailer. A minimum of ten gates/hurdles to be purchased as part of the mobile system to create gathering, forcing and holding pens. 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 operated from outside the crush. Hydraulically operated anti-backing gates are also eligible. The crush must have a locking head yoke. The handling system must be of all metal construction. Wooden elements, for example, floors to the race or crush, gates or hurdles are not eligible under this item. All ferrous metalwork to be either galvanised or powder coated. Painted metalwork is not eligible.</p>	4,456

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF57	Fixed Cattle Handling Systems	<p>A corral system which provides a safe and effective holding area and race-way handling facility to attach to a cattle crush. The handling system does not include the crush and is not expected to be purchased as part of this item. The system should be designed and erected to suit the requirements of the individual site. To be eligible it must consist of: a minimum of two fixed metal holding pens, one circular metal forcing pen between 2.4 and 5 m radius (internal measurement) with sides covered in a smooth material to prevent cattle from seeing to the side, leading into a straight or a curved race between 3 and 5 m in length with the sides of the race covered. A sliding closure gate is fitted at both ends of the race. The race must lead to a crush. If the crush being used with the race already has a sliding gate fitted, then only one sliding gate needs to be purchased for the race. The handling system will be of all metal construction. Wooden elements, for example, floors to the race or crush, gates or hurdles are not eligible under this item. All ferrous metalwork to be either galvanised or powder coated. Painted metalwork is not eligible. To be eligible the system must be fixed to the ground. This should be a long-term fixture such as concreting the supporting post into the ground or by bolting into the existing concrete floor.</p>	3,866

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF58	Cattle Crush (automatic)	<p>The crush must have an internal width of at least 720 mm. The crush will have a fully automatic (self-closing) full length head yoke with auto reset facility. The sides of the crush must be able to be opened to give complete access to both sides of the animal. 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. All ferrous metal parts of the crush must be fully galvanised, or powder coated. Painted crushes are not eligible. Crushes with wooden floors are not eligible.</p>	895
FETF59	Cattle Crush (manual)	<p>The crush must have an internal width of at least 720 mm. 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 of the animal. 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. All ferrous metal parts of the crush must be fully galvanised, or powder coated. Painted crushes are not eligible. Crushes with wooden floors are not eligible.</p>	1,018

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF60	Hydraulically or pneumatically operated Squeeze Crush	<p>Hydraulically or pneumatically operated squeeze crush with full length head yoke. The crush must have a sliding rear gate operated from outside of the crush and race to act as an anti-backing device. The sides of the crush must be able to open to give complete access to both sides of the animal. All ferrous metal parts of the crush must be fully galvanised, or powder coated. Painted crushes are not eligible. Crushes with wooden floors are not eligible. Rotating/rollover foot trimming crushes are not eligible under this item. Pneumatically operated crushes are eligible under this item. System must use a power driven hydraulic or pneumatic pump. Hand/manually pumped hydraulic or pneumatic systems are not eligible under this item. Integrated head scoops which cannot be purchased and retrofitted to an existing crush are not considered as a separate item to the crush and should not be applied for under FETF62 'Head Scoop for cattle crush'.</p>	4,360
FETF61	Squeeze Crush (manually operated)	<p>Manually operated squeeze crush with full length head yoke. The sides of the crush must be able to open to give complete access to both sides of the animal. 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. All ferrous metal parts of the crush must be fully galvanised, or powder coated. Painted crushes are not eligible. Crushes with wooden floors are not eligible.</p>	1,678

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF62	Head Scoop for cattle crush	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. All ferrous metal parts must be fully galvanised' or powder coated. Painted metalwork is not eligible. Integrated head restraints supplied with a cattle crush as standard which cannot be purchased separately and retrofitted are not eligible under this item.	200
FETF63	Foot Trimming add-on to cattle Crushes	Hoof trimming attachment consisting of: belly harness/support, front and rear leg winch with lifting strap and minimum of two hoof blocks. This item is intended to be purchased to allow adaptation of existing crush to be used for hoof trimming.	246
FETF64	Specialist Foot Trimming cattle Crush	The crush must be specially designed for foot trimming and not intended for other animal management purposes. With an internal width of at least 720 mm, the crush will have a head yoke, rotating rump bar and with motorised winches. Must include belly harness/support lifting straps and a minimum of two hoof blocks. Rotating/Rollover crushes are not eligible. All ferrous metal parts of the crush will be fully galvanised, or powder coated. Painted crushes are not eligible. Crushes with wooden floors are not eligible.	1,918

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF65	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 calving, suckling of calves or milking.	166
FETF66	Cattle Auto ID Shedding Gate (auto drafting)	Gate linked to computer control/EID system to draft cattle into two or more groups automatically. Using either electronic tags, collars or ankle transponders to identify the animal. Must be able to operate automatically with digital weighing system. All ferrous metal parts must be fully galvanised, or powder coated. Painted metalwork is not eligible.	2,974
FETF67	Auto Cattle Weighing Equipment	Standalone equipment which automatically weighs cattle without human intervention, linked to EID. Purchased as a whole working unit, not parts. This comprises of a weigh platform (often with water trough), EID reader and weigh head.	1,800
FETF68	EID Panel reader for cattle	Static race reader, with Antenna and Bluetooth connection. Must be able to read HDX and FDX B tags. To be eligible under this item the reader must be permanently fixed to the race or cattle crush. Portable readers are not eligible under this item.	620

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF69	Mobile Sheep Handling Systems	<p>Trailer mounted mobile sheep handling system capable of holding and handling a minimum of 250 sheep with the aim to allow farmers to handle sheep away from the main holding. The system must include a minimum of 20 hurdles to create a gathering pen, forcing pen and must include a minimum of two side pens. The system must include drafting and dosing race with the ability to fit a foot bath. The trailer must be integrated into the handling system and form part of the handling race. Trailers which are not integrated and could be used for other purposes are not eligible under this item. The integrated trailer must be road legal. The handling system must be of all metal construction. Wooden elements, for example, floors to the race or crush, gates or hurdles are not eligible under this item. All ferrous metalwork must be either galvanised or powder coated. Painted systems are not eligible.</p>	3,100

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF70	Fixed Sheep Handling Systems	Fixed sheep handling system that should be designed and erected to suit the requirements of the individual site. The system must have a combined capacity in the race, forcing pen, and gathering pen for holding a minimum of 100 adult sheep. To be eligible the system must consist of: a gathering pen, forcing pen, drafting and dosing race, minimum of two side pens and the ability to fit plastic footbath in the race. The handling system must be of all metal construction. Wooden elements, for example, floors to the race, gates or hurdles are not eligible under this item. All ferrous metal work to be either galvanised or powder coated. Painted systems are not eligible. To be eligible the system must be fixed to the ground. This should be a long term fixture such as concreting the supporting post into the ground or by bolting into the existing concrete floor.	1,600
FETF71	Sheep Handler	Clamp style sheep handler for efficiently dagging, dosing and sorting sheep. If you are considering applying for funding on this item please note it cannot also form part of FETF69 'Mobile Sheep Handling Systems'.	960

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF72	Automatic Weighing and Drafting Crate for sheep	The system purchased must automatically read EID tags and 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, control system with fully automated entry and exit gates, weigh bars, panel reader and weigh head. Purchased as a whole working unit (single item), not parts. Refer to FETF78 'Individual Electronic Weigh System (all species)' and FETF79 'Weigh bars and weigh platforms for weighing livestock' for weighing system components.	4,758
FETF73	Sheep Conveyor	Static twin belt conveyor designed for routine sheep work, 3 m minimum length.	4,600
FETF74	EID Panel reader for sheep	Static/race reader, with Antenna and Bluetooth connection. Must be able to read HDX and FDX B tags. To be eligible under this item the reader must be permanently fixed to the sheep handling system. Portable readers are not eligible under this item.	531

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF75	Electronic Weigh Crate for sheep	<p>Weigh crate with electronic weigh system. The weigh system will be a digital weighing device with the ability to record individual animal weights and track the live weight gains. If the reader relies on a mobile device to input, access and record this information the mobile device must be purchased as part of this item. The system will be compatible for use with EID. Must have the ability to download data to computer or mobile device. A weigh crate must be purchased with this item. If you wish to use an existing crate or combine weighing with another item then you should not include this item in your application. Refer to FETF78 'Individual Electronic Weigh System (all species)' and FETF79 'Weigh bars and weigh platforms for weighing livestock' for weighing system components.</p>	1,020

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF76	Fixed Handling System for Pigs	<p>Suitable for 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. The system must consist of the following minimum specification: 2 m x 1 m hurdles lined with a smooth sheeted material capable of cleaning and disinfection (Qty:10), 2 m wide drafting gate in frame 50 mm x 50 mm, also sheeted, race joiner, coupling pins (Qty:20). All items should be constructed as a minimum from galvanised steel but preferably in stainless steel, which is lighter, significantly stronger and resistant to corrosive attack from acidic disinfectants. Wooden elements, for example, gates or hurdles are not eligible under this item. To be eligible the system must be fixed to the ground. This should be a long-term fixture such as concreting the supporting post into the ground or by bolting into the existing concrete floor.</p>	840

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF77	Electronic Pig Weighing and Sorting Facility	<p>To be used in conjunction with an integral Electronic Data Management System. Automatic electronic system for sorting pigs by weight using digital weighing. With the ability to record live weights for individual pigs and auto drafting to sort into specific weights 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 7 kg to 250 kg. System consists of a weigh crate, weigh platform and two auto segregation gates.</p>	1,160
FETF78	Individual Electronic Weigh System (all species)	<p>Digital weighing device with the ability to record and display on screen individual animals' weights, track the live weight gains and access recorded information on an individual animal, for example, breeding and movements. If the electronic weighing system relies on a mobile device to input, access and record this information the mobile device must be purchased as part of this item. Must have the functionality to operate with EID readers and operate auto drafting systems. It must also have the ability to be connected to a computer or mobile device to download collected information. Weigh bars are not included in this item they are a separate item - see FETF79 'Weigh bars and weigh platforms for weighing livestock' and FETF80 'Weigh bars or platform for animals less than 300 kg'. Group and automatic average animal weighing systems are not eligible under this item.</p>	348

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF79	Weigh bars and weigh platforms for weighing livestock	Electronic load bars or electronic weigh platform to operate with digital weigh heads/readers for use with cattle crushes, or batch weighing sheep or pigs. Load bars must be heavy duty (HD) type load bars. The system must be capable of weighing up to 2000 kg (to allow for crush or weigh pen). Non electronic weighing systems are not eligible. Digital weigh heads/readers are a separate item see FETF78 'Individual Electronic Weigh System (all species)'. Electronic load bars or electronic weigh platform to operate with digital weigh heads/readers for use with, sheep races, sheep crates or pig crates. Load bars must be heavy duty (HD) type load bars. The system must be capable of weighing up to 500 kg (to allow for weighing crate) Non electronic weighing systems are not eligible. Digital weigh heads/readers are a separate item see FETF78 'Individual Electronic Weigh System (all species)'.	440
FETF80*	Weigh bars or platform for animals less than 300 kg	Electronic load bars or electronic weigh platform to operate with digital weigh heads/readers for use with, sheep races, sheep crates or pig crates. Load bars must be heavy duty (HD) type load bars. The system must be capable of weighing up to 500 kg (to allow for weighing crate) Non electronic weighing systems are not eligible. Digital weigh heads/readers are a separate item see FETF78 'Individual Electronic Weigh System (all species)'.	270
FETF81	EID Handheld Recorder Device	EID handheld device with RFID technology for individual reading and recording of animals. The reader must have the ability to record information on breeding, births, weights, treatments and movements as a minimum. If the reader relies on a mobile device to input, access and record this information the mobile device must be purchased as part of this item. The reader must be capable of exporting data to a computer based software package for the active monitoring of livestock.	308

<b>Item Number</b>	<b>Item Name</b>	<b>Item Specification</b>	<b>Grant Amount £ (based on a quantity of 1)</b>
FETF82	EID Handheld Device (stick reader)	EID handheld device (stick reader) with RFID technology for individual reading of animals. Must be capable of scanning tags and storing tag data, with the ability to connect wirelessly to mobile phones or other devices. Must be able to read HDX and FDX B tags.	220

Other Livestock ItemsHide

<b>Item Number</b>	<b>Item Name</b>	<b>Item Specification</b>	<b>Grant Amount £ (based on a quantity of 1)</b>
FETF83*	Mobile Sheep Dip	2000 litre tank minimum, dripping pen area which drains into tank, hydraulic system for unpacking/packing up, entry and exit ramps. Tractor towed road legal.	5,616
FETF84*	Chemical free disinfection system for dairy farms	Low voltage electrical ozone-based disinfection systems. 250 litre tank, suitable for dairy herds of 200 cattle minimum.	15,000
FETF85	Automated Footbaths for Cattle	A footbath for cattle that will automatically fill, dose, flush, and replenish.	2,040
FETF86	Cluster Flush	System to back flush milking cluster to sanitise unit between cows. Cost is per cluster unit.	360
FETF87	Hand-held Automatic Teat Washing System	Handheld automatic teat washing brush which can wash, disinfect, stimulate, and dries all in one visit to the cow. Maximum of 2 per application.	2,581

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF88	Heat and Service Detector	Proximity based detection system using a collar detector worn by the bull linked to RFID electronic ear tags on the cows. System includes detection collar and a minimum of 50 ear tags. Any additional tags to be purchased as required but not eligible for funding. The ear tag must have a life expectancy of at least five years and not be used for animal identification in connection with cattle tracing requirements of BCMS. Maximum 2 systems per application.	438
FETF89	Calving Detectors	Detector system linked to mobile device to alert when cow begins calving.	84
FETF90	Heat Detection System - Base Unit	Automated system for the heat detection in cows based on motion detection. Using either electronic ear tags, neck collars or ankle transponders to identify the animal - see FETF91 'Heat Detection System - Ear Tag, Collar or Ankle Band'.	1,200
FETF91	Heat Detection System - Ear Tag, Collar or Ankle Band	Automated system for the heat detection in cows. Ear tag, neck collars or ankle bands to measure motion associated with oestrous behaviour. Cost is per neck collar/ankle band or ear tag. Note for ear tags to be eligible they must have a life expectancy of at least five years and be reusable (transferable to another animal). Tags used for Cattle Tracing System (CTS) purposes are not eligible for funding. Bolus type transponders are not eligible under this scheme.	34
FETF92	Real Time Milk Analysis	Milk sensors that produce data on conductivity and milk constituents (including lactose and protein) per cow in real time. Cost is per milking point. Devices which only measure milk volume and/or milking time are not eligible under this item.	560

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF93	Mobile Calf Milk Pasteuriser and Dispenser	Mobile milk pasteuriser and dispenser with minimum 150 litres capacity. With built in mixer, heater, temperature monitoring to aid pasteurising and remaining volume indicator. The system must be self-contained and fully mobile. With a rechargeable battery system providing power to aid mobility, maintain temperature during dispensing and aid milk dispensing.	3,053
FETF94	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 30 calves individually. Cost is for one programmable milk feeder and one feed station.	3,246
FETF95	Additional Feed Station	Purchase of an additional feed station for programmable milk feeder (FETF94 'Auto Calf Feeder with Washing Facility') for calves. Each feed station should be capable of feeding 30 calves individually. Maximum of 3 additional feed stations per application.	734
FETF96	Badger Proof Feed Troughs	Cattle feed trough for in field use that includes rollers or other mechanisms to reduce or eliminate the possibility of badgers making contact with the feed. To ensure minimum contact by the badger with the food the rollers or other mechanism must be at least 740 mm above surface of the field. Cost is per trough.	101

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF97	Badger Proof Lick Holders	Cattle mineral/supplement holder, which by design will eliminate the possibility of badgers making contact with the mineral/supplement. To ensure minimum contact by the badgers with the minerals/supplements the top edge of the holder must be at least 740 mm above surface of the field. Cost is per holder.	55
FETF98	Rotating Cow Brush	A purpose built swinging rotating cow brush with auto start stop.	514
FETF99	Swinging Brushes for goats and calves	A purpose built swinging rotating brush with auto stop start design specifically for use by small animals including calves and goats.	386
FETF100	Cameras for monitoring livestock	IP (Internet Protocol) Camera for monitoring livestock, for example, wired, Wi-Fi, fibre, or mobile data connections. Outdoor rated IP66 with Pan Tilt and Zoom (PTZ), day and night vision. Infrared range of 50 m minimum, 18 x zoom minimum. 1080 pixels minimum. Must be compatible with online viewing app for smart phone or tablet.	132
FETF101	Auto EID Drench Gun	A drenching gun that wirelessly communicates with a weigh head or stock reader to automatically adjust the dosage of drench or pour on, depending on the animal's weight. Must include wireless technology to allow the downloading of accurate medicine reports to a computer or mobile device.	340

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF102	Auto Vaccination Gun for livestock	A vaccination or dosing gun that wirelessly communicates with a weigh head or stock reader, automatically adjusting the dosage of vaccine or medicine required based on the animal's weight records. Must include wireless technology to allow downloading of accurate vaccination reports to computer or mobile device. Maximum 2 per application.	340
FETF103	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.	5,479
FETF104	Enclosed Piglet Creeps with Heat Pads	Made from GRP (Glass-Reinforced Plastic) with insulated side panels and top, suitable for effective cleaning and disinfection. Pads must be thermostatically controlled with the temperature sensor either in the pad or creep area. The power cable is protected from animal damage by a flexible stainless-steel tube. Each unit purchased must include a heat pad and creep. Heat pads or creeps on their own are not eligible.	155
FETF105	Positive Pressure Tube Ventilation Systems	The system is aimed at improving natural ventilation pushing clean fresh air into the building, using an internal horizontal inflatable polythene (or similar type material) ventilation tube stretching the length of the building, with holes cut to direct the air where needed. The cost must include a wall mounted fan which draws fresh air into the building, a controller and an internal inflatable tube (for example polythene), all designed for agricultural use.	501

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF106	Solar powered Electric Fencer Energiser	Solar powered electric fencing energiser with integrated solar panel and battery. Energiser providing at least 0.15 joules output. Purchased as a whole working unit (single item), not parts.	90
FETF107*	Electric fencing package	A package of electric fencing equipment to assist in delivering mob/regenerative/rotational grazing on pasture, cover crops or temporary leys. This must consist of the following: Energizer – solar powered, 6 Joule output, minimum 9 Joule stored energy with solar panels x 1 Temporary fencing stakes – minimum 2 year guarantee minimum 100 purchased Temporary End assemblies/reel holder posts minimum 8 purchased Spools/reels for polywire – minimum 5 purchased Pedestrian Geared Winder with stake storage or ATV or barrow-based winding/storage system To be eligible for funding under this item all of the above elements must be purchased.	341
FETF108	Thermal Image Camera	Handheld colour thermal camera or tablet with an IR detector generating images of at least 18,000 pixels to provide high degree of resolution. The device must display temperature scale on screen with built in still and video recording facilities. Device must include or come with viewing screen. Images must be downloadable to computer or mobile device for storage and further analysis. Cameras which do not have this ability to store images or videos are not eligible.	263

General ItemsHide

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF109*	Central tyre inflation system	<p>The central tyre inflation system can regulate the tyre pressure of all tyres on the vehicle. Being able to inflate or deflate tyres from the cab to suit ground conditions and in emergency maintain air pressure in a tyre if there is a slow leak until the vehicle can be moved to a safe place to attend to the leak. The system purchased must include pneumatic control unit, operator control panel, wheel valves and pressure switch. Only systems fitted to agricultural vehicles are eligible under this item. The system purchased must be able to be retro fitted to any tractor. Systems for cars, 4x4s, vans and commercial vehicles are not eligible under this item.</p>	2,413
FETF110	Cover Crop Roller 3m	<p>Front tractor mounted roller system to terminate and/or bruise cover crops ahead of direct drill. Minimum of 3 m width. To be eligible the roller should be constructed to have an uneven or ridged surface to aid the crimping or bruising of the cover crop to destroy it. To be eligible the roller must completely crimp or bruise the crop across the full working width of the roller. Flat rolls and Ring rolls are not eligible under this item.</p>	1,952
FETF111	Cover Crop Roller 6 m	<p>Front tractor mounted roller system to terminate and/or bruise cover crops ahead of direct drill. Minimum of 6 m width. To be eligible the roller should be constructed to have an uneven or ridged surface to aid the crimping or bruising of the cover crop to destroy it. To be eligible the roller must completely crimp or bruise the crop across the full working width of the roller. Flat rolls and Ring rolls are not eligible under this item.</p>	3,313

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF112	Grassland Sward Lifters	Minimum three legs with adjustable depth control (at least to 300 mm) via the legs or packing rollers. Machine must have cutting disc in front of, and a packing roller behind, each leg, shear bolt or mechanical reset on each leg.	2,804
FETF113*	Comb weeder	A fixed blade machine which exploits the physical differences between flexible crops and thicker stemmed weeds, 6 m minimum working width.	2,656
FETF114*	Biological control applicator	Fan powered applicator. Should give an even distribution of up to 3 m or more.	906
FETF115	Wide Area Network equipment	Wireless network repeaters or wireless bridges to extend an existing wireless network to enable devices to connect for agricultural use. Must operate in the 5.1-5.8 GHz range. Must be IP 64 rated (water/dust).	74
FETF116	Fibre Optic Networking Equipment	Fibre optic networking cable (minimum 50 m lengths) plus minimum two media convertors to enable devices to connect for agricultural use.	84
FETF117*	Crop storage sensors	Wireless sensors designed to transmit temperature, CO2 and relative humidity info to mobile, tablet and PC.	3,980
FETF118	Digital Weather Station	A system/station that has the minimum functionality to record barometric pressure, temperature, humidity, rainfall, wind speed and direction, solar radiation, UV levels, soil moisture and soil temperature. The system must be able to link wirelessly to a computer. The cost includes the station, mounting facilities and sensors for above functionality. Excludes installation costs, service costs annual licence fee for software and calibration.	814

Item Number	Item Name	Item Specification	Grant Amount £ (based on a quantity of 1)
FETF119	Portable Carbon Dioxide Analyser	Portable gas analyser for use in checking and recording levels of carbon dioxide in crop stores and livestock buildings. Must include visual and audio alarms accuracy of plus or minus 40 ppm or less. Must be able to store data for later download via Wi-Fi, or USB connection to computer or tablet.	74
FETF120	Portable Ammonia Analyser	Portable gas analyser for use in checking and recording levels of ammonia in livestock buildings. Must include visual and audio alarms. Must be able to store data for later download via Wi-Fi, or USB connection to computer or tablet.	109

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