



AN ROINN TALMHAÍOCHTA, BIA AGUS MARA

DEPARTMENT OF AGRICULTURE, FOOD AND THE MARINE

NATIONAL REFERENCE COSTS

22nd February 2023

The attached Reference Costs (together with the accompanying Explanatory Notes) are applicable to all approvals issued under the Targeted Agricultural Modernisation Schemes (TAMS). To estimate the reference cost of approved works, applicants must consult -

1. The Reference Costs;
2. The Explanatory Notes;
3. The relevant Department Specifications.

The use of **all** the details in these documents is critical for the correct estimation of the reference cost of approved works.

The amount of investment eligible for grant-aid will be determined by the Department of Agriculture, Food and the Marine when the work is completed and a valid claim submitted for payment.

Any queries in regard to the application of these National Reference Costs should be addressed to the applicant's agricultural advisor/consultant.

Applicants are reminded that grant aid will not be paid where works commence without the Department's prior written approval and that the amount of investment eligible for grant aid will be calculated in accordance with scheme terms and conditions.



Common Items

Common Wall	linear metre	-€213.44
Ancillary Concrete	m ²	€31.82

Animal Housing

Bovine Loose house	m ²	€182.34
Bovine Slatted Area	m ²	€252.47
Solid Floor area with cubicles	m ²	€195.24
Slatted and Cubicle area over tank	m ²	€265.51
Bovine Lie-back to slatted area	m ²	€182.34
Bovine Slatted Area - unroofed	m ²	€94.50
Solid area as part of unroofed Bovine slatted feed area	m ²	€31.82
Calving pen area	m ²	€290.73
Bull Pen with exercise area	m ²	€224.56
Bull Pen without exercise area	m ²	€342.30
Calf Creep	m ²	€188.43
Calf house with penning	m ²	€226.69
Calf house no penning	m ²	€182.34
Solid floor Sheep House with Penning	m ²	€210.82
Solid floor Sheep House no Penning	m ²	€182.34
Slatted House for sheep	m ²	€229.10
Goat house with penning	m ²	€210.82
Goat house no penning	m ²	€182.34
Existing slats - bovine	m ²	-€68.29
Existing slats - sheep	m ²	-€68.29
Existing manhole cover	item	-€643.57
Existing tank extension cover	m ²	-€82.44
Unroofed feed passage	m ²	€58.23
Roofed feed passage	m ²	€175.68
Unroofed Feed passage over tank	m ²	€132.90
Roofed Feed passage over tank	m ²	€250.35
Sliding Door to feed passage	m ²	€126.38
Roof over race (including floor)	m ²	€134.17
Roof over enclosure (including floor)	m ²	€134.17
Roofing of Livestock Feed Yards		
Livestock Feed yard roof	m ²	€98.18



Automatic Slurry Scrapers

Robotic slurry Scraper	unit	€16,736.72
Number scraped passages, scraper with existing drive	per passage	€2,949.41
Number scraped passages, scraper with new drive	per passage	y = 3083x + 3212

Manure Pit

Manure Pit no walls	m ²	€40.36
Manure Pit with Walls	m ²	€63.52
Manure Pit Roof	m ²	€98.18

Silage Pit

Silo Floor	m ²	€41.40
Silo Apron	m ²	€41.40
Narrow Channel in new floor (75mm x 75mm)	linear metres	€11.25
Wide channel in new floor	linear metres	€66.23
Kerb along silo base	linear metres	€11.25

Safety Gates for Raised Apron	linear metres	€161.31
Guide rail for silo wall (extra to wall cost)	linear metres	€31.59
Outer Wall 1.5m high	linear metres	€323.92
Outer Wall 1.8m high	linear metres	€348.37
Outer Wall 2.1m high	linear metres	€374.50
Outer Wall 2.4m high	linear metres	€399.98
Outer Wall 2.7m high	linear metres	€426.37
Outer Wall 3.0m high	linear metres	€471.91
Common Wall between two silos 1.5m high	linear metres	€437.37
Common Wall between two silos 1.8m high	linear metres	€470.22
Common Wall between two silos 2.1m high	linear metres	€505.67
Common Wall between two silos 2.4m high	linear metres	€540.08
Common Wall between two silos 2.7m high	linear metres	€575.65
Common Wall between two silos 3.0m high	linear metres	€637.10

Roof over silage pit	m ²	€98.18
Concrete resurfacing of silo slab	m ²	€34.82
Asphalt resurfacing of silo slab	m ²	€34.82
Narrow channel in existing Floor	linear metres	€62.23
Wide channel in existing floor	linear metres	€139.41



Slurry Storage

Mass Concrete Tank

Floor rate	m ²	€40.01
Excavation rate	m ³	€5.49
Backfill rate	linear metre	€4.01
Mesh rate (A142)	m ²	€2.72
Beam Rate	linear metre	€76.56

	Outer	Outer	Outer	Outer	Spine	Spine
Walls	0.225	0.30	0.35	0.40	0.30	0.50
0.3	€24.82	€29.64	€32.60	€35.93	€29.64	€42.23
0.4	€33.09	€39.51	€43.46	€47.91	€39.51	€56.31
0.5	€41.37	€49.39	€54.33	€59.89	€49.39	€70.38
0.6	€49.64	€59.27	€65.20	€71.87	€59.27	€84.46
0.7	€57.91	€69.15	€76.06	€83.84	€69.15	€98.54
0.8	€66.19	€79.03	€86.93	€95.82	€79.03	€112.61
0.9	€74.46	€88.91	€97.80	€107.80	€88.91	€126.69
1	€82.73	€98.78	€108.66	€119.78	€98.78	€140.77
1.1	€91.00	€108.66	€119.53	€131.75	€108.66	€154.84
1.2	€99.28	€118.54	€130.39	€143.73	€118.54	€168.92
1.5	€155.58	€170.40	€176.58	€187.69	€167.93	€214.86
1.8	€182.75	€198.80	€204.98	€222.26	€197.57	€254.37
2.1	€211.15	€230.91	€239.55	€256.84	€229.67	€291.41
2.4	€245.73	€269.19	€281.53	€291.41	€267.95	€339.57
2.7	€297.59	€323.52	€327.22	€339.57	€321.05	€401.31
3	€333.40	€363.03	€361.80	€375.38	€358.09	€451.94

Precast Concrete Tank, including cover, Volume of tank - litres	litre	$y = 0.271x + 4939$
New cattle Slat for new tank in existing animal area	m ²	€68.29
New sheep Slat for new tank in existing animal area	m ²	€68.29
New HD Slab for new tank in existing animal area	m ²	€82.44
New HD Slat for new tank in existing animal area	m ²	€80.13
New external manhole cover for new tank in existing animal area	item	€407.00
Area of HD slab for fully external tank outside animal area and feed passage	m ²	€82.44
Area of HD slat for fully external tank outside animal area	m ²	€80.13
Manhole covers for fully external tank	each	€643.57
Safety agitation platform	item	€2,313.92
Circulation pipe (6")	linear metre	€17.88
Protective fence for slurry store (including gate)	linear metre	€72.66



Circular Slurry Stores

Circular Slurry Store cover	m ²	$y = 0.3614x^2 - 109.09x + 39177$
Circular Slurry Stores	m ³	$y = 30.27x + 26919$

Geo Membrane Lined Store

Geo Membrane Lined Store	m ³	$y = -0.0006x^2 + 12.768x + 8792$
Geo Membrane Lined Store cover with submersible pump	m ²	$y = 15.12x + 927$

Precision Grass Measuring Equipment

Precision Grass Measuring Equipment Unit	Unit	€1,140
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Meal Bin

Meal bin	m ³	$y = 108x + 3465$
Split Meal bin	m ³	$y = 170x + 3780$

Isolation Box

Isolation box area	m ²	€561.62
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Calf Rearing Equipment

Computerised calf feeder	per feed station	$y = 1534.8x + 7540.6$
Milk Cart with mixer	litre	$y = 7.33x - 207.8$

Sheep Fencing

Sheep Mesh with 1 Strand of Wire	linear metre	€6.75
Mountain Sheep Mesh with 1 Strand of Wire	linear metre	€8.81
Gateway	unit	€361.04

Dairy Equipment

Milking Machine

Cluster Units (New Machine or extension)	No. cluster units	€3,434.10
Robotic Milking Machine	each	€109,250

Auto Washer for milking machine

Auto washer unit for milking machine	each	€5,025.50
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Milk Storage and Cooling

Internal Bulk Tank Volume (incl Auto Washer and compressor)	litre	$y = 1.3893x + 13175$
Internal Milk Silo Volume (incl Auto Washer and compressor)	litre	$y = 0.9704x + 26552$
External Bulk Tank Volume (incl Auto Washer and compressor)	litre	$y = 1.3893x + 13175$
External Milk Silo Volume (incl Auto Washer and compressor)	litre	$y = 0.9704x + 26552$
Internal Ice Builder	Kcals	€0.17
External Ice Builder	Kcals	€0.17
Plate Cooler	litre per hour flow of milk	$y = 0.358x + 542$

Water Heating

Water heater with cylinder	litre	€5.24
On demand water heater, no cylinder	kw	26.272x
Heat Transfer unit, taking heat from compressor for dairy	each	€3,931.05

Backup PTO generator

Backup PTO generator	KW	€121.12
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Milk recording equipment

ICAR certified milk meter	unit	€1,145
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Pig & Poultry

Medicine Dispenser Units

Individual pen Fixed in Water medicine dispenser for pig unit	No of pens	€284.48
Individual pen Fixed in feed medicine dispenser for pig unit	No of pens	€274.40
Medicated Feed mix tank (total volume)	litre	€2.80
Computerised Feed control system for individual pen feeding	item	€7,840.00
Targeted Individual pen medicated feed delivery system for pig unit	per feed outlet	€284.48
Fixed in Water medicine dispenser for poultry unit	item	€703.92

Water meters

water meter for pig housing	item	€234.08
water meter for poultry housing	item	€234.08



Heat Recovery Units / Heat Pumps

Heat recovery units for pigs and poultry	m ²	€35.50
Air source heat pumps	kW	€801.92

Energy efficient boilers

Biomass boiler	kW	€320.32
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Feed System Upgrade for medication reduction and energy efficiency

New Wet-Feed mixing system to allow feed to ferment (controller, tanks and pumps)	item	€32,704
Upgrade existing wet feed system to allow feed to ferment (new tanks and pumps)	item	€15,960
Troughs for Dry Sows	linear metre	€80.00
Troughs for Fatteners	Linear metre	€80.00
Troughs for weaners	linear metre	€60.00
Frequency controller for poultry feed system	per motor	€1,814.40
Frequency controller for feed pumps and feed mixer motors	per motor	€1,814.40

Energy Efficiency Upgrade for farrowing house

Energy efficient lighting	per light fitting	€188.16
Insulated doors	m ²	€487.20
Wall Insulation	m ²	€46.14
Roof insulation	m ²	€29.68
Ventilation System	per sow place	€210.56
Electrical Heat Pads	per sow place	€288.96
Water heat Pads	per sow place	€235.20
Insulated Creep boxes - Covered	m ²	€120.96

Energy Efficiency Upgrade for Weaner housing

Energy efficient lighting	per light fitting	€194.88
Insulated doors	m ²	€487.20
Wall Insulation	m ²	€46.14
Roof insulation	m ²	€29.68
Ventilation System	m ²	€55.10
Electrical Heat Pads	per pad	€244.16
Water heat Pads	per pad	€235.20
Creep covers	m ²	€87.92
Indirect Heating system	m ²	€57.12

Energy Efficiency Upgrade for Fattener housing

Energy efficient lighting	per light fitting	€123.20
Insulated doors	m ²	€487.20



Wall Insulation	m ²	€49.95
Roof insulation	m ²	€29.68
Ventilation System	m ²	€42.45

Energy Efficiency Upgrade Poultry House

Roof Insulation	m ²	€43.23
Wall Insulation	m ²	€67.42
Insulated Doors	m ²	€390.88
Energy efficient lighting for free range layer house	per light fitting	€82.54
Energy efficient lighting for broiler houses	per light fitting	€110.88
Energy efficient lighting for poultry breeder houses	per light fitting	€82.54
Energy efficient lighting for Turkey houses	per light fitting	€110.88
Energy efficient lighting for duck houses	per light fitting	€110.88
Energy efficient lighting for breeder grower houses	per light fitting	€110.88
Ventilation fans and control system for free range layer house	per fan	€3,140.48
Ventilation fans and control system for broiler house	per fan	€2,563.68
Ventilation fans and control system for poultry breeder house	per fan	€3,140.48
Ventilation fans and control system for Turkey house	per fan	€2,563.68
Ventilation fans and control system for Duck house	per fan	€2,563.68
Ventilation fans and control system for breeder grower house	per fan	€2,563.68
Demister system for cooling and dehumidifying poultry house	m ²	€6.00
Replacement concrete floor for temperature control	m ²	€31.81
Indirect heating system	m ²	€14.84

Disease reduction facilities for existing poultry houses

Concrete outside pop holes for free range poultry houses	m ²	€31.81
Drinker system for poultry broiler house	m ²	€8.18
Drinker system for free range poultry layer house	linear metres	€63.28
Drinker system for free breeder house	linear metres	€63.28
Drinker system for turkey house	m ²	€8.18
Drinker system for Duck house	m ²	€8.18
Drinker system for breeder grower house	m ²	€8.18



Emission reducing systems for slurry tanks under pig houses

Slurry trays in tank	m ²	€145.60
Flushing Systems in tank	m ²	€100.80
Scraper system in tank	m ²	€44.80
Vacuum Systems in tank	m ²	€112.00
Cooling system in tank	m ²	$y = 1300x^{0.44}$
Area of HD slab for fully external tank	m ²	€73.86
Manhole covers for fully external tank	each	€576.64

Pig Housing

Dry Sow House	m ²	€404.32
Free Farrowing House	m ²	€1,144.64
Free farrowing penning in existing house	m ²	€920.64
1 st Stage Weaner House	m ²	€1,057.28
2 nd Stage Weaner House	m ²	€510.72
A shaped Grower / Finisher House	m ²	€404.32
Trowbridge Grower / Finisher House	m ²	€245.28
Ammonia Scrubbers	unit	€78,400
Manipulable material (Straw) Delivery System	outlet	$y = 280x + 8960$
Existing slats	m ²	-€44.91

Weighing Scales

Batch Weighing scales for pigs	unit	€6,000
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Manipulable Material Store

Manipulable material Store	m ²	€127.37
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Grain Treatment

Liquid treatment applicator	unit	€4,499.40
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Biosecurity measures

Security camera systems	per camera	€432
Automated Wheel Wash Systems	unit	€7,000
Hot power washer	unit	€2,882
Fallen animal cold storage facilities for poultry	m ³	€2,200



Rain Water Harvesting

mass concrete tank for rainwater harvesting	per litre	$y = 0.1363x + 3675$
Precast concrete tank for rainwater harvesting	per litre	$y = 0.272x + 4926$
Non concrete tanks for rainwater harvesting	per litre	$y = 0.272x + 4926$
Filters designed for flow from up to 200m ² roof area	item	€366.44
Filters designed for flow between 201m ² and 500m ² roof area	item	€499.80
Filters designed for flow from 2500m ² to 3000m ² roof area	item	€2,462.72
Covered Drains uPVC 150mm	linear metre	€9.48
Covered Drains uPVC 225mm	linear metre	€10.11
Covered Drains uPVC 150mm under existing concrete	linear metre	€25.98
Covered Drains uPVC 225mm under existing concrete	linear metre	€29.16
Manholes (including cover)	item	€286.68
Round Gutter (including all brackets stop-ends, outlets and fixing)	linear metre	€22.64
Box Gutter (including all brackets stop-ends, outlets and fixing)	linear metre	€24.06
Rain Water Downpipes (including offsets toes and fixing)	linear metre	€25.48
Sumps (including Cover)	item	€261.75
Sump Pump	item	€467.10
UV treatment	item	€1,828.68
Chlorination treatment	item	€2,058
Water meter	item	€223.44
Header tank to allow quick fill of water into sprayer / bowser.	per litre	$y = 0.2589x + 4691$
Mobile water tanker to fit onto existing trailer	per litre	$y = 0.4181x + 1471$
Mobile water tanker	per litre	$y = 2.332x - 5931$

Tillage

Grain Store

Grain Store	m ²	€299.37
Under floor Ventilation System	m ²	€64.18
On floor Ventilation System	m ²	€27.20
Pedestal Ventilation System	m ²	€18.42
Grain store concrete A-segment dividers	m ²	€115.13
Doorway grain retainer - steel	m ²	€126.10
Grain Bin / Meal Bin	m ³	$y = 108x + 3465$



GPS Machinery Control

Tractor / Combine Steering Control with min 200mm accuracy	unit	€9,988
GPS Control Unit	unit	€3,938
Yield Monitors for combine	unit	€4,125

Sprayers

Mounted sprayer GPS ready	per litre	$y = 21.679x + 10820$
Trailed sprayer GPS ready	per litre	$y = 15.41x + 15124$
GPS Control Unit	unit	€3,937.50
Self-propelled sprayer	unit	€250,000

Fertiliser Spreaders

Fertiliser spreader - mounted, fully GPS ready	litres	$y = 1.224x + 16286$
Fertiliser spreader - trailed, fully GPS ready	unit	€73,920
GPS Control Unit	unit	€3,937.50

Minimum Disturbance Tillage (PTO driven equipment not permitted)

Disc stubble cultivator - trailed	linear metre	$y = 3012x + 22316$
Disc stubble cultivator - mounted	linear metre	$y = 4329.2x - 2213$
Tine stubble cultivator- Trailed	linear metre	$y = 6090.7x + 17081$
Tine stubble cultivator- mounted	linear metre	$y = 10568x - 14041$
Seed broadcaster to mount on cultivator	unit	€4,259
Pneumatic Seed broadcaster with seed distribution pipes to mount on cultivator	unit	€6,982
Combined tine and disc cultivator - trailed	linear metre	$y = 7649.3x + 14282$
Combined tine and disc cultivator - mounted	linear metre	$y = 7949.1x + 1534$
Min till tine and disc drill - trailed	linear metre	$y = 13523x + 23772$
Min till tine and disc drill - mounted	linear metre	$y = 9491.8x + 14871$
Min till tine and disc drill - trailed, seed and fertilizer	linear metre	$y = 15939.5x + 18282$
Direct drill	linear metre	$y = 4887.9x + 33516$
Strip till drill	linear metre	$y = 18427.9x + 16183$
Strip till drill - seed and fertiliser	linear metre	$y = 6294.2x + 56381$



Pesticide Reduction

Heavy Cambridge roller with paddles	linear metre	$y = 3509.5x - 1355$
Furrow Press	linear metre	$y = 3284.4x - 845$
Heavy Cambridge Roller	linear metre	$y = 3040.4x - 1505$
Mulcher mounted	linear metre	€2,893.85
Inter row cultivators	linear metre	€3,748.50
Inter Row Laser Guidance Weeder hoe system	linear metre	€19,329.36
Weather station	Unit	€1,500

Grain Treatment Equipment

Grain dryer – Batch, direct heat only	m^3	$y = 1516.8x + 45718$
Grain dryer – Batch - indirect heat only	m^3	$y = 1658.8x + 54786$
Grain dryer - Continuous flow - direct heat only	Tonne per hour output	$y = 2301.8x + 89544$
Grain dryer - Continuous flow - indirect heat only	Tonne per hour output	$y = 2301.8x + 91938$
Grain elevator / augers (not for grain dryers)	unit	€1,890
Grain mill (roller/crimper)	Tonne per hour output	$y = 1885x + 7722$
Liquid treatment applicator	unit	€4,499.40
Powder treatment applicator	unit	€6,879.60

Potato Harvesting

Intake web 1 row	linear metre	€296.40
Main web 1 row	linear metre	€291.72
Intake web 2 row	linear metre	€495.00
Main web 2 row	linear metre	€442.20
Separator segments / dolmens	unit	€72.00

Potato Haulm Topper

Potato Haulm Topper	linear metre	$y = 5197.5x + 2919$
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Potato handling

Potato Grading line	unit	€130,000
Dedicated grading areas, new building	m^2	€286.90
Box Filler	unit	€35,000
Retail Bag Filler (up to 20kg bags)	unit	€83,000
Box tipper (loader attachment)	unit	€6,500
Reception Hopper & Cleaner	Unit	€72,000
Specialised chemical applicator for potatoes, including canopy	unit	€6,728



Potato Store		€250.00
Seed Potato Store	m ²	€250.00
Ambient Ventilation system for potato store	m ²	€23.10
Refrigeration system for potato store	m ²	€152.40
Drying wall (letterbox style)	m ²	€80.40
Store insulation	m ²	€65.88
Temperature controls	m ²	€15.80
Door upgrade	unit	€6,800

Potato Planting

Potato planter	rows	€25,000
Potato planter chemical applicator	unit	€9,000
Specialised fertiliser applicator for potatoes	unit	€15,000
eco tiller for potatoes	unit	€14,500
Bed tiller	rows	€11,166
Destoner	rows	€52,000

Biomass Equipment

Wood / Biomass drying shed - natural drying	m ²	€299.37
Wood / Biomass Chipper - PTO driven	m ³ per hour	$y = 41.846x + 31115$

Combine Attachments

Pea Header for combine	metres	€9,317
Harvest weed seed control attachments for combine	unit	€5,000
Straw Chopper for combine	unit	€14,500

Crop handling

1 tonne bag filler c/w weigh cells (loader attachment)	unit	€5,780
Beet cleaners	Tonne per hour	$y = 2420.6x - 37608$
Weighbridge - Fixed	unit	€21,000
Weigh pads - mobile	unit	€2,860

Minimum disturbance tillage (PTO driven equipment not permitted)

Spring Tine Grass/Straw Harrow	linear metre	€1,263.93
Chain Harrow	linear metre	€339.27

Pasture Management

Soil aerator - mounted	linear metre	€1,841.60
Soil aerator - trailed	linear metre	€4,139
Mulcher mounted	linear metre	€2,893.85



Seed broadcaster to mount on cultivator	unit	€4,259
Pneumatic Seed broadcaster with seed distribution pipes to mount on cultivator	unit	€6,982
Spring Tine Grass/Straw Harrow	linear metre	€1,263.93
Farm water supply		
Solar powered water pump	unit	€2,470
Nose pump	unit	€292.22
Dung spreader		
Dung spreaders - rear discharge	m ³	$y = 3202.7x + 6766$
Slurry Separators		
Screw press slurry separator	m ³ per hour throughput	$y = 20.146x + 30875$
Farm roadway		
New farm road	linear metre	€24.90
Cattle Underpass		
Cattle Underpass under public road	linear metre	€5,000
Bovine Fencing		
Bovine electric fencing	linear metre	€2.77
Solar electric fencer	unit	€634.00
Gateway	unit	€361.04
Health and fertility monitoring		
Collar / Tag / Bolus	unit	€112.25
Base station (including software)	unit	€2,833
Automatic Drafting System		
Automatic Drafting gate	unit	€12,500
Single sided race over existing concrete	linear metre	€132.87
Double sided race over existing concrete	linear metre	€265.73
Single sided race over new concrete	linear metre	€185.01
Double sided race over new concrete	linear metre	€317.87
Equine Housing		
American Barn for Equines	m ²	€282.90
Loose House for Equines	m ²	€182.34
In-line stables for Equines	m ²	€400.00
Tack room	m ²	€282.90
Feed Store	m ²	€282.90



Forage Store	m ²	€182.34
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Equine Training Facilities

Gallops	linear metre	€75.00
Lunge rings	m ²	€45.55
Outdoor Exercise area (all weather surface)	m ²	€39.74
Horse walkers with roof	m ²	€215.60
Horse walkers without roof	m ²	€182.60

Equine Fencing

Post and rail	linear metre	€20.90
Horse tape / rope	linear metre	€6.60
Specialised Horse mesh	linear metre	€29.98
Gateway	unit	€361.04

Organics

Organic Hay / Straw Store

Hay / Straw Store	m ²	€127.37
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Organic Poultry Housing

Organic free range Laying hen house (Fixed)	m ²	€340.29
Organic Free Range Broiler House (Fixed)	m ²	€246.91
Organic free range Laying hen house (mobile)	m ²	€264.94
Organic Free Range Broiler House (mobile)	m ²	€224.49
Permanent Fencing of Organic Poultry Run	linear metre	€14.97

Organic Horticulture structures

Polytunnel	m ²	€47.66
Concrete floor	m ²	€31.82
Irrigation System	m ²	€3.22

Organic Pig Housing

Pig Kennels	m ²	€73.42
Permanent Pig Fencing	linear metre	€7.43

Organic Potato Store

Potato Store	m ²	€250.00
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Organic Produce Store

Produce Store	m ²	€286.90
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Organic Replace slats with slabs

Replace slats with slabs	m ²	€82.01
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Organic Grass/Forage Cutting & Handling Equipment

Mower - Mounted without conditioner	linear metre	€2,722.29
Mower - Mounted with conditioner	linear metre	€5,337.58
Mower -Trailed (with /without conditioner)	linear metre	€6,565.15
Toppers (Trailed)	linear metre	€2,527.65
Toppers (mounted)	linear metre	€1,479.78
Mulcher mounted	linear metre	€2,893.85
Mulcher /mower self-driven	linear metre	€2,901.63
Straw Chopper (mounted)	Item	€12,628.35
Straw Chopper (trailed)	Item	€19,431.43
Haybob (combination of both raking and tedding)	Item	€3,932.25
Forage Rakes	linear metre	€2,663.13
Forage Tedders	linear metre	€1,370.83

Organic Farmyard Manure Handling equipment

Dung spreaders - side discharge	m ³	€1,015.13
Dung spreaders - rear discharge	m ³	y = 3202.7x + 6766
Slurry Pumps and Agitators	Item	€5,017.92
Front loader	Item	€7,817.25
Dung fork	linear metre	€699.30
Bucket Grab	linear metre	€1,428.78

Organic Grassland and Soil Cultivation Equipment

Soil aerator - mounted	linear metre	€1,841.60
Soil aerator - trailed	linear metre	€4,139
Seed broadcaster to mount on cultivator	unit	€4,259
Pneumatic Seed broadcaster with seed distribution pipes to mount on cultivator	unit	€6,982
Spring Tine Grass/Straw Harrow	linear metre	€1,263.93
Chain Harrow	linear metre	€339.27

Organic Netting for Crop Protection

Insect netting	m ²	€0.55
Bird and hail netting	m ²	€0.46

Organic horticultural/tillage machinery

Inter row cultivators	linear metre	€3,748.50
Flame Weeder	linear metre	€3,269.70
Brush Weeder	linear metre	€3,591
Rotary Cultivator weeder	linear metre	€2,525.67
Combcut Weeder	linear metre	€2,997.91
Inter Row Laser Guidance Weeder hoe system	linear metre	€19,329.36



Organic Two-wheeled tractor with detachable rotary tiller

Two-wheeled tractor with detachable implement(s)	Horse power (HP)	€441.00
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Farm Safety

Unroofed Fixed Cattle Crushes/Races

Batch AI Crush	linear metre	€291.76
Semi-Automatic skulling gate and back gate	per unit	€627.80
Single sided race in animal area	linear metre	€132.87
Double sided race in animal area	linear metre	€265.73
Single sided race including new side wall in animal area	linear metre	€254.17
Single sided race over new concrete	linear metre	€185.01
Double sided race over new concrete	linear metre	€317.87

Unroofed Enclosures

Concrete floor	m ²	€31.82
Walls	linear metre	€166.47
Gates	linear metre	€89.92
Barriers	linear metre	€97.76

Mobile Sheep handling Equipment

Portable Sheep Handling Race with wheels (including footbath)	item	€3,847.75
Portable basic sheep handling race	item	€1,064.97
Sheep Weighing scales	item	€826.89
Sheep Rollover crate	item	€1,023.86
Mobile Sheep "batch" footbath	item	€842.38
Sheep adoption unit front	item	€134.09
Sheep adoption unit front with penning	item	€270.58
Mobile Sheep Penning max 75 linear metres	linear metre	€33.73

Fixed Sheep Handling Equipment

Sheep Weighing scales	item	€826.89
Sheep Rollover crate	item	€1,023.86
Fixed Sheep handling unit	m ²	€103.71
Fixed sheep handling unit with dip tank	m ²	€140.97

Electronic tag readers

PDA EID tag reader and management software package	item	€1,820
EID tag reader and software	item	€710.00



Mobile Cattle Handling Unit

Mobile cattle crush unit (min 2.0m long)	each	€2,272.03
Mobile cattle Penning max 75 linear metres	linear metre	€57.78

Head Scoop

Head Scoop	Item	€455.46
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Leg Hoist Lifter

Leg Hoist / Lifter	Item	€318.78
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Cattle Weighing Scales

Weighing platform	each	€1,405.53
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Protective Fence around existing tank

Protective fence for slurry store (including gate)	linear metre	€72.66
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Safety Agitation platform for existing external tanks

Safety agitation platform	item	€2,313.92
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New Tank Cover over existing open tank

Area of HD slab	m ²	€82.44
Area of HD slat	m ²	€80.13
Manhole covers	each	€643.57

Replacement Tank extension Cover

Area of slab	m ²	€99.04
Manhole covers	each	€643.57

Replacement of damaged slats or removal of existing internal agitation point and replacement by gang slats

Area of HD Slab	m ²	€99.04
Manhole covers	each	€643.57
Area of replacement Pig Slats	m ²	€60.11
Area of replacement Pig Slabs	m ²	€60.11
Area of replacement Sheep / Calf Slats	m ²	€78.28
Area of replacement HD cattle slats	m ²	€96.16
Area of replacement Cattle slats	m ²	€82.01

Tank extension to provide external agitation point

No of external agitation points provided	each	€5,336.10
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Circulation pipe (6") to allow for agitation of slurry

Circulation pipe (6")	linear metre	€17.88
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Simple Aeration systems

Simple aeration system on existing air supply	m ² of tank	$y = 1320x^{0.44} - 7000$
aeration system	m ² of tank	$y = 1320x^{0.44}$

Calving Gate in Existing House

Calving gate	linear metre	€171.24
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Replacement of a hinged door/sheeted gate with a new sliding door / roller door on agricultural buildings

Roller Door	m ²	€126.38
Sliding Door	m ²	€126.38

Safety Rails on Silo Walls

Safety Rails on Silo Walls	linear metre	€31.59
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Retrofitting roof-light with safety cages

Retrofitting Single roof-light with safety cages	per clear light	€79.08
Retrofitting triple roof-light with safety cages	per clear light	€91.83
Retrofitting Double roof-light with safety cages.	per clear light	€106.52

Wiring / Rewiring existing agricultural building

Rewiring existing farm building	m ²	€8.25
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Yard Lights (LED equivalent to min 200W halogen)

Yard Lights (metal halide or LCD)	item	€321.86
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Calf dehorning crate

calf dehorning crate	item	€579.46
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Horse Handling facilities

Horse loading bay	m ²	€186.60
Horse Stocks	item	€1,569.52

Wheel Changing Equipment

Wheel changing crate	unit	€1,127.28
Wheel pumping crate - manual pumping	unit	€862.40
Wheel pumping crate - fully automatic	unit	€11,051.04

Hydraulic Motor to substitute PTO Shaft

Hydraulic Motor to substitute PTO Shaft (permanently fixed to machine)	unit	€1,520
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Livestock Monitors

Livestock monitoring camera	per camera	€432.00
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Bale Slice

Silage bale Slice with plastic remover attachment	unit	€3,535
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LESS

Mobile Slurry Tank with Attachment

Slurry tanker size	litres	$y = 2.35x - 6001$
Trailing shoe attachment with macerator	linear metres	$y = 1784x + 7955$
Shallow injection attachment with macerator	linear metres	$y = 2626 + 10640$
Retrofit Trailing shoe attachment with macerator to tanker	linear metres	$y = 1784x + 7955$
Inlet chopper (new or retrofit)	item	€3,500
Flow meter to new or existing tanker	item	€3,251

Umbilical System

Base pump, hose reel and fittings	item	€21,033.68
Lay flat hose and fittings	linear metres	€18.90
Trailing Shoe attachment	linear metres	$y = 1784x + 7955$
Shallow Injection attachment	linear metres	$y = 2626 + 10640$
retrofit Trailing shoe attachment to existing umbilical system	linear metres	$y = 1784x + 7955$

Hydraulic Motor to substitute PTO Shaft

Hydraulic Motor to substitute PTO Shaft (permanently fixed to machine)	unit	€1,520
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Solar Photovoltaic(PV) Panels

Solar Photovoltaic Panels including Inverter & Controller	kW	$y=1441x+1849$
Solar PV Rechargeable Battery	kWh	$y = 703x + 753$
Solar Photovoltaic Panels including inverter & Controller (Pigs and Poultry)	kW	$y=1441x+1849$
Solar PV Rechargeable Battery (Pigs and Poultry)	kWh	$y = 703x + 753$



Own Machinery Rates

The rates given below are guideline rates for use in relation to the use of applicant's own machinery. It is expected that rates per hour for Own Machinery use claims will not exceed those given below. Labour is not included in the rates and should be claimed under Own Labour as appropriate.

OWN LABOUR COSTS

Direct constructional work by applicant, or applicant's family member

per hour €15.52

Description of item	(Rate includes fuel where appropriate)	
Tractor	per hour	€20.80
Flat bed trailer	per hour	€4.50
Dump trailer	per hour	€5.00
Dumpers (self-propelled):	per hour	€10.90
Digger (Wheeled machine with front loader and back hoe)	per hour	€21.10
Track Excavators:		
Mini diggers	per hour	€11.90
Large excavators	per hour	€26.20
Rock Breaker attachment for excavators	per hour	€8.90
Bobcat	per hour	€11.60
Self propelled rollers:		
Small (Approx 3 tonne)	per hour	€8.70
Large	per hour	€19.30
Teleporters	per hour	€14.10
Cherry picker	per hour	€13.40
ATV	per hour	€8.30
Post Driver	per hour	€5.50
Post hole borer:		
Manual	per hour	€3.10
Machine mounted	per hour	€5.30
Cement mixer (1 bag mixer)	per hour	€1.30
Power Float (36")	per hour	€6.10
Power Screed	per hour	€5.80
Petrol Poker for concrete	per hour	€4.20
Mobile generator (10kVA)	per hour	€16.80
Welder	per hour	€2.50
Angle grinder	per hour	€1.90
Water pump	per hour	€2.40

Note: Where two machines are used together (e.g. tractor and post driver) then the cost per hour is the combined total per hour to the two machines (€20.80 + €5.50 = €26.30 per hour).