

**AN ROINN TALMHAÍOCHTA, BIA AGUS MARA**  
**DEPARTMENT OF AGRICULTURE, FOOD AND THE MARINE**

**NATIONAL REFERENCE COSTS**

**17<sup>th</sup> December 2018**

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 -

- The Reference Costs;
- The Explanatory Notes;
- 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.**

*The changes to this version compared with the 8th September 2018 reference costs relate to the inclusion of new items in the TAMS schemes and the revision of the cost of some organic related machinery. These costs are effective from the 17<sup>th</sup> December 2018. All changes are highlighted in red.*

## Common Items

Ancillary Concrete	m <sup>2</sup>	€24.60
Common Wall	linear metre	-€165.00
Direct constructional work by applicant, or applicant's family member	per hour	€13.50

## Animal Housing

Loose house Area	m <sup>2</sup>	€128.70
Slatted House Area	m <sup>2</sup>	€178.20
Solid Floor area with cubicles	m <sup>2</sup>	€137.80
Slatted and Cubicle area over tank	m <sup>2</sup>	€187.40
Lie-back to slatted area	m <sup>2</sup>	€128.70
Calf Creep	m <sup>2</sup>	€133.00
Unroofed feed passage	m <sup>2</sup>	€41.10
Roofed feed passage	m <sup>2</sup>	€124.00
Feed passage over tank	m <sup>2</sup>	€176.70
Sliding Door to feed passage	m <sup>2</sup>	€89.20
Calving pen	m <sup>2</sup>	€205.20
Isolation box	m <sup>2</sup>	€396.40
Automatic Slurry scrapers, with new drive	per passage	$y = 2280x + 2375$
Automatic Slurry scrapers, with existing drive	per passage	€2,280.00
Robotic slurry Scraper	per unit	€12,350.00
Unroofed Slatted feed area	m <sup>2</sup>	€66.70
Solid area as part of unroofed slatted feed area	m <sup>2</sup>	€24.60
Roofing of Livestock Feed yard	m <sup>2</sup>	€69.30
Bull Pen with exercise area	m <sup>2</sup>	€158.50
Bull Pen without exercise area	m <sup>2</sup>	€241.60
Calf house with penning	m <sup>2</sup>	€160.00
Calf house no penning	m <sup>2</sup>	€128.70
Solid floor Sheep House with Penning	m <sup>2</sup>	€148.80
Solid floor Sheep House no Penning	m <sup>2</sup>	€128.70
Slatted House for sheep	m <sup>2</sup>	€161.70
Goat house with penning	m <sup>2</sup>	€148.80
Goat house no penning	m <sup>2</sup>	€128.70
Meal Bin on new base	m <sup>3</sup>	$y = 68.5x + 2200$
Meal bin on existing base	m <sup>3</sup>	$y = 68.5x + 1900$
Split Meal Bin on new base	m <sup>3</sup>	$y = 107.78x + 2700$
Split Meal bin on existing base	m <sup>3</sup>	$y = 107.78x + 2400$

## Animal handling facilities

### Cattle handling Facilities

Semi-Automatic skulling gate and back gate	per unit	€452.1
Single sided race in animal area	linear metre	€89.70
Double sided race in animal area	linear metre	€179.40
Single sided race including new side wall in animal area	linear metre	€179.40
Single sided race over new concrete	linear metre	€124.90
Double sided race over new concrete	linear metre	€214.60
Concrete floor for cattle enclosure	m <sup>2</sup>	€24.60
Walls for cattle enclosure	linear metre	€117.50
Gates for cattle enclosure	linear metre	€67.70
Barriers for cattle enclosure	linear metre	€73.60
Roof over cattle crush and race (including floor)	m <sup>2</sup>	€94.70
Roof over cattle handling enclosure (including floor)	m <sup>2</sup>	€94.70
Batch AI Crush	linear metre	€210.10
Mobile cattle crush unit (min 2.0m long)	item	€1,568.00
Calving Gate in Existing House	linear metre	€148.90
Mobile cattle Penning max 75 linear metres	linear metre	€43.50
Cattle Head Scoop	item	€379.00
Leg Hoist / Lifter	item	€252.00
Cattle Weighing Scales	item	€1,164.00
Calf dehorning crate	item	€419.90

### Horse Facilities

Horse Stocks	item	€1,364.80
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### Sheep handling Equipment

Fixed Sheep handling unit	m <sup>2</sup>	€73.20
Fixed sheep handling unit with dip tank	m <sup>2</sup>	€99.50
Portable Sheep Handling Race with wheels (including footbath)	item	€3,186.54
Portable basic sheep handling race	item	€881.96
Sheep Weighing scales	item	€845.92
Sheep Rollover crate	item	€847.92
Mobile Sheep "batch" footbath	item	€654.02
Sheep adoption unit front	item	€111.05
Sheep adoption unit front with penning	item	€224.08
Mobile Sheep Penning max 75 linear metres	linear metre	€27.93
PDA EID tag reader and management software package	item	€1,820.00
EID tag reader and software	item	€710.00

## SHEEP FENCING

Sheep mesh with 1 strand of wire	linear m	€5.34
Mountain Sheep mesh with 1 strand of wire	linear m	€8.01
Gateway	per gateway	€299.00

## Silage Pit

Silo Floor / apron	m <sup>2</sup>	€32.00
Narrow Channel in new floor (75mm x 75mm)	linear metres	€8.70
Wide channel in new floor	linear metres	€51.20
Kerb along silo base	linear metres	€8.70
Guide rail for silo wall (extra to wall cost)	linear metres	€22.30
Safety Gates for Raised Apron	linear metres	€124.70
Outer Wall 1.5m high	linear metres	€250.40
Outer Wall 1.8m high	linear metres	€269.30
Outer Wall 2.1m high	linear metres	€289.50
Outer Wall 2.4m high	linear metres	€309.20
Outer Wall 2.7m high	linear metres	€329.60
Outer Wall 3.0m high	linear metres	€364.80
Common Wall between two silos 1.5m high	linear metres	€338.10
Common Wall between two silos 1.8m high	linear metres	€363.50
Common Wall between two silos 2.1m high	linear metres	€390.90
Common Wall between two silos 2.4m high	linear metres	€417.50
Common Wall between two silos 2.7m high	linear metres	€445.00
Common Wall between two silos 3.0m high	linear metres	€492.50
Concrete resurfacing of silo slab	m <sup>2</sup>	€28.20
Asphalt resurfacing of silo slab	m <sup>2</sup>	€28.20
Narrow channel in existing Floor	linear metres	€50.40
Wide channel in existing floor	linear metres	€112.90

## General Safety Elements

Safety Rails on Silo Walls	linear metre	€22.30
Replacement of a hinged door/sheeted gate with a new sliding door / roller door on agricultural buildings.	m <sup>2</sup>	€89.20
Retrofitting Single roof-light with safety cages	per clear light	€61.40
Retrofitting Double roof-light with safety cages	per clear light	€71.30
Retrofitting Triple roof-light with safety cages.	per clear light	€82.70
Rewiring existing farm building	m <sup>2</sup>	€6.70
Yard Lights (metal halide or LCD)	item	€237.50
Wheel changing crate	unit	€915.00
Wheel pumping crate - manual pumping	unit	€700.00
Wheel pumping crate - fully automatic	unit	€8,970.00
Hydraulic Motor to substitute PTO Shaft (permanently fixed to machine)	unit	€1,520.00

## Slurry Storage and Tank Covers

Floor rate	m <sup>2</sup>	€32.40
Excavation rate	m <sup>3</sup>	€4.45
Backfill rate	linear metre	€3.25
Mesh rate (A142)	m <sup>2</sup>	€2.20
Beam Rate	linear metre	€62.00

	<b>Outer</b>	<b>Outer</b>	<b>Outer</b>	<b>Outer</b>	<b>Spine</b>	<b>Spine</b>
<b>Walls</b>	<b>0.225</b>	<b>0.300</b>	<b>0.350</b>	<b>0.400</b>	<b>0.300</b>	<b>0.500</b>
<b>0.3</b>	€20.10	€24.00	€26.40	€29.10	€24.00	€34.20
<b>0.4</b>	€26.80	€32.00	€35.20	€38.80	€32.00	€45.60
<b>0.5</b>	€33.50	€40.00	€44.00	€48.50	€40.00	€57.00
<b>0.6</b>	€40.20	€48.00	€52.80	€58.20	€48.00	€68.40
<b>0.7</b>	€46.90	€56.00	€61.60	€67.90	€56.00	€79.80
<b>0.8</b>	€53.60	€64.00	€70.40	€77.60	€64.00	€91.20
<b>0.9</b>	€60.30	€72.00	€79.20	€87.30	€72.00	€102.60
<b>1.0</b>	€67.00	€80.00	€88.00	€97.00	€80.00	€114.00
<b>1.1</b>	€73.70	€88.00	€96.80	€106.70	€88.00	€125.40
<b>1.2</b>	€80.40	€96.00	€105.60	€116.40	€96.00	€136.80
<b>1.5</b>	€126.00	€138.00	€143.00	€152.00	€136.00	€174.00
<b>1.8</b>	€148.00	€161.00	€166.00	€180.00	€160.00	€206.00
<b>2.1</b>	€171.00	€187.00	€194.00	€208.00	€186.00	€236.00
<b>2.4</b>	€199.00	€218.00	€228.00	€236.00	€217.00	€275.00
<b>2.7</b>	€241.00	€262.00	€265.00	€275.00	€260.00	€325.00
<b>3.0</b>	€270.00	€294.00	€293.00	€304.00	€290.00	€366.00

Protective fence for slurry store (including gate)	linear metre	€54.70
Safety Agitation platform for existing external tanks	item	€1,633.20
Tank extension to provide external agitation point for existing tank	item	€4,125.00
Circulation pipe (6") to allow for agitation of slurry inc. Fittings	linear metre	€13.30
Simple aeration system	m <sup>2</sup> of tank	$y = 1320x^{0.44}$
Simple aeration system on existing air supply	m <sup>2</sup> of tank	$y = 1320x^{0.44} - 7000$
New cattle Slat for new tank in existing animal area	m <sup>2</sup>	€47.30
New sheep Slat for new tank in existing animal area	m <sup>2</sup>	€47.30
HD slab over external store	m <sup>2</sup>	€57.10
HD slat over external store	m <sup>2</sup>	€55.50
Replacement slab	m <sup>2</sup>	€68.60
Replacement Cattle slats	m <sup>2</sup>	€56.80
Replacement Pig Slats	m <sup>2</sup>	€45.80
Replacement Sheep / Calf Slats	m <sup>2</sup>	€56.80
Manhole covers	item	€407.00
Existing slats - cattle	m <sup>2</sup>	- €47.30
Existing slats - sheep	m <sup>2</sup>	- €47.30
Existing manhole cover	Item	- €407.00
Existing tank extension cover	m <sup>2</sup>	- €57.10

Precast Concrete Tanks	litre	$y = 0.22x + 4000$
Circular Slurry Stores	$m^3$	$y = 23.5x + 20900$
Geo Membrane Lined Store	$m^3$	$y = -0.0005x^2 + 11.4x + 7850$
Geo Membrane Lined Store Cover with submersible pump	$m^2$	$y = 13.5x + 828$
Manure Pit without walls, including channels	$m^2$	€31.20
Manure Pit with Walls	$m^2$	€49.10
Manure Pit Roof	$m^2$	€69.30

### Low-Emission Slurry Spreading Equipment

Slurry tanker	litres	$y = 1.87x - 4763$
Trailing shoe attachment with macerator	linear metres	$y = 1416x + 6313$
Shallow injection attachment with macerator	linear metres	$y = 2084x + 8445$
Dribble bar / slurry spike spreader attachment	linear metres	$y = 1404x + 2250$
Retrofit dribble bar/ slurry spike to existing tanker	linear metres	$y = 1248x + 2000$

#### Umbilical System

Base pump, hose reel and fittings	item	€16,693.4
Lay flat hose and fittings	linear metres	€15.00
Trailing Shoe attachment	linear metres	$y = 1416x + 6313$
Shallow Injection attachment	Linear metres	$y = 2084x + 8445$
Dribble Bar attachment	linear metres	$y = 1404x + 2250$

## Dairy Structures and Equipment

Milking parlour	m <sup>2</sup>	€269.50
Dairy	m <sup>2</sup>	€491.00
Plant room	m <sup>2</sup>	€177.10
Solid Collecting Yard	m <sup>2</sup>	€24.60
Slatted Collecting Yard	m <sup>2</sup>	€55.50
Roof over collecting Yard	m <sup>2</sup>	€69.30
Walls for Collecting Yard	linear metre	€117.50
Entrance Gates for Collecting Yard	linear metre	€67.70
Barriers for Collecting Yard	linear metre	€73.60
Cluster Units (New Machine or extension)	No. cluster units	€2,986.17
Robotic Milking Machine	item	€109,250.00
Rotary Machine	No. cluster units	€4,750.00
Auto washer for milking machine	item	€4,370.00
Internal Bulk Tank Volume (incl Auto Washer and compressor)	litre	$y = 1.3231x + 12548$
Internal Milk Silo Volume (incl Auto Washer and compressor)	litre	$y = 0.9242x + 25288$
External Bulk Tank Volume (incl Auto Washer and compressor)	litre	$y = 1.3231x + 12548$
External Milk Silo Volume (incl Auto Washer and compressor)	litre	$y = 0.9242x + 25288$
Internal Ice Builder	Kcals	€0.16
External Ice Builder	Kcals	€0.16
Plate Cooler	litre per hour flow of milk	$y = 0.2724x + 430.5$
Water heater	litre	€4.76
On demand water heater	kW	$17.05984x$
Heat Transfer unit, taking heat from compressor, for dairy	item	€2,699.90
<b>In-Parlour meal feeding system</b>		
Batch / multi place Meal Feeders, with augers	per cow place	€353.20
Batch / multi place Meal Feeders, without augers	per cow place	€255.10
Individual cow Meal Feeders, with augers	per cow place	€661.20
Individual cow Meal Feeders, without augers	per cow place	€557.48
Meal Bin, on new base	m <sup>3</sup>	$y = 68.5x + 2200$
Meal Bin, on existing base	m <sup>3</sup>	$Y = 68.5x + 1900$
Meal Troughs	per cow place	€233.40
Auger - not required	item	-€1,500.00

## Pig and Poultry

### Pig and Poultry elements

water meter for pig and poultry housing	item	€190.00
Solar panels for electricity production (photovoltaic) (permanently attached to buildings used for pig / poultry / egg production)	m <sup>2</sup>	€352.60
Solar panels for water heating (permanently attached to buildings used for pig / poultry / egg production)	m <sup>2</sup>	€352.60
Air source heat pumps	kW	€699.60
Biomass boiler	kW	€264.60
Heat recovery units within building, for pigs and poultry	m <sup>2</sup>	€8.70

### Pig Only elements

New Wet-Feed mixing system to allow feed to ferment (controller, tanks and pumps)	item	€28,500.00
Upgrade existing wet feed system to allow feed to ferment (new tanks and pumps)	item	€14,250.00
Frequency controller for feed pumps and feed mixer motors	per motor	€1,561.00
Individual pen Fixed in Water medicine dispenser for pig unit	No of pens	€251.66
Individual pen Fixed in feed medicine dispenser for pig unit	No of pens	€251.66
Energy efficient lighting for farrowing house	per light	€155.90
Energy efficient lighting for weaner house	per light	€137.50
Energy efficient lighting for fattener house	per light	€103.20
Insulated doors for pig housing (farrowing, weaners and fatteners)	m <sup>2</sup>	€357.20
Wall Insulation for farrowing and weaner houses	m <sup>2</sup>	€39.90
Wall Insulation for fattener house	m <sup>2</sup>	€34.60
Roof insulation for pig housing (farrowing, weaners and fatteners)	m <sup>2</sup>	€24.60
Ventilation System for farrowing house	per sow place	€188.00
Ventilation System for weaner house	m <sup>2</sup>	€51.50
Ventilation System for fattener house	m <sup>2</sup>	€33.60
Electrical Heat Pads for farrowing house	per sow place	€170.30
Electrical Heat Pads for weaner house	per pad	€199.50
Water heat Pads for farrowing house	per sow place	€195.70
Water heat Pads for weaner house	per pad	€195.70
Indirect Heating system for weaner house	m <sup>2</sup>	€51.00
Insulated Creep boxes - Covered for farrowing houses	m <sup>2</sup>	€104.00
Creep covers for weaner houses	m <sup>2</sup>	€74.30

**Poultry Only Elements**

Roof Insulation for poultry house	m <sup>2</sup>	€38.60
Wall Insulation for poultry house	m <sup>2</sup>	€33.30
Insulated Doors for poultry house	m <sup>2</sup>	€357.20
Energy efficient lighting for free range layer house	per light	€73.70
Energy efficient lighting for broiler houses	per light	€135.00
Ventilation fans and control system for free range layer house	per fan	€2,812.00
Ventilation fans and control system for broiler house	per fan	€2,147.00
Replacement concrete floor for temperature control	m <sup>2</sup>	€24.60
Indirect heating system	m <sup>2</sup>	€14.60
Concrete outside pop holes for free range poultry houses	m <sup>2</sup>	€24.60
Drinker system for poultry broiler house	m <sup>2</sup>	€7.20
Drinker system for free range poultry layer house	linear metres	€56.50
Fixed in Water medicine dispenser for poultry unit	item	€598.50

**Organic Only****Organic Structures**

Replace slats with slabs for organic cattle houses	m <sup>2</sup>	€57.10
Organic free range Laying hen house (Fixed)	m <sup>2</sup>	€264.20
Organic free range Laying hen house (mobile)	m <sup>2</sup>	€205.70
Organic Free Range Broiler House (Fixed)	m <sup>2</sup>	€191.70
Organic Free Range Broiler House (mobile)	m <sup>2</sup>	€174.29
Permanent Fencing of Organic Poultry Run	linear metre	€12.40
Pig Kennels	m <sup>2</sup>	€57.00
Permanent Pig Fencing	linear metre	€6.15
Hay / Straw Store	m <sup>2</sup>	€89.90
Polytunnel	m <sup>2</sup>	€37.00
Concrete floor	m <sup>2</sup>	€24.60
Irrigation System	m <sup>2</sup>	€2.50
Grain Store	m <sup>2</sup>	€211.30
Ventilation system for Grain store	m <sup>2</sup>	€13.00
Grain Bin / Meal Bin on new base	m <sup>3</sup>	$y = 68.51x + 2202$
Grain Bin / Meal Bin, on existing base	m <sup>3</sup>	$y = 68.5x + 1900$
Potato Store	m <sup>2</sup>	€202.50
Ventilation system for potato store	m <sup>2</sup>	€23.10
Produce Store	m <sup>2</sup>	€202.50

**Organic equipment / Machinery**

Straw Chopper (mounted)	item	€10,022.50
Straw Chopper (trailed)	item	€13,459.00
Topper (Mounted)	linear metre	€1,258.32
Topper (Trailed)	linear metre	€1,925.83
Mower tractor mounted without conditioner	linear metre	€2,356.96
Mower tractor mounted with Conditioner	linear metre	€4,621.28
Mower tractor trailed (with or without conditioner)	linear metre	€5,684.11
Haybob	item	€2,996.00
Slurry Pump/ Agitator	item	€3,823.18
Loader (Front-Mounted)	item	€5,956.00
Dung Fork	linear metre	€555.00
Bucket Grab	linear metre	€1,133.95
Dung Spreader	m <sup>3</sup>	€805.66
Seeders - Tractor Mounted	linear metre	€4,229.00
Spring Tine Grass Harrow (tractor Mounted)	linear metre	€1,074.77
Chain Harrow (Tractor Mounted)	linear metre	€323.11
Disc cultivator	linear metre	See Tillage
Two Wheeled tractor with detachable rotary tiller	horse power (HP)	€420.00
Laser Guidance weeder hoe system	linear metre	€15,340.76
Mulcher trailed/mower self driven	linear metre	€2,763.46
Mulcher Tractor Mounted	linear metre	€2,296.71
Grain Dryer	tonne per hour output	See Tillage
Grain Cleaner	tonne per hour output	€296.00
Insect Netting	m <sup>2</sup>	€0.50
Bird and Hail Netting	m <sup>2</sup>	€0.42
Combcut Weeder	linear metre	€2,379.29
Rotary Cultivator Weeder	linear metre	€2,004.50
Brush Weeder	linear metre	€2,850.00
Flame Weeder	linear metre	€2,595.00
Inter Row Cultivator	linear metre	€2,975.00
Forage Rakes	linear metre	€2,029.05
Forage Tedder	linear metre	€1,087.96

## Tillage and Organic

### Rain Water Harvesting

Filters designed for flow from up to 200m <sup>2</sup> roof area	item	€311.60
Filters designed for flow between 201m <sup>2</sup> and 500m <sup>2</sup> roof area	item	€425.00
Filters designed for flow from 2500m <sup>2</sup> to 3000m <sup>2</sup> roof area	item	€2,094.15
mass concrete tank for rainwater harvesting	per litre	$y = 0.1104x + 2976.3$
Precast concrete tank for rainwater harvesting	per litre	$y = 0.2203x + 3989.2$
Non concrete tanks for rainwater harvesting	per litre	$y = 0.2203x + 3989.2$
Covered Drains uPVC 150mm	linear metre	€8.06
Covered Drains uPVC 225mm	linear metre	€8.60
Covered Drains uPVC 150mm under existing concrete	linear metre	€22.09
Covered Drains uPVC 225mm under existing concrete	linear metre	€24.80
Manholes (including cover)	item	€222.58
Round Gutter (including all brackets stop-ends, outlets and fixing)	linear metre	€17.58
Box Gutter (including all brackets stop-ends, outlets and fixing)	linear metre	€18.68
Rain Water Downpipes (including offsets toes and fixing)	linear metre	€19.78
Sumps (including Cover)	item	€222.58
Sump Pump	item	€397.19
UV treatment	item	€1,555.00
Chlorination treatment	item	€1,750.00
Water meter	item	€190.00

## Tillage

### Rain Water Harvesting

Header tank to allow quick fill of water into sprayer / bowser.	per litre	$y = 0.2203x + 3989.2$
Mobile water tanker to fit onto existing trailer	per litre	$y = 0.3555x + 1250.7$
Mobile water tanker	per litre	$y = 1.983x - 5043.5$

### GPS Machinery Control

Tractor / Combine Steering Control with min 200mm accuracy - new machine	Item	€7,990.00
Tractor / Combine Steering Control with min 200mm accuracy - retrofit	Item	€9,180.00
Yield Monitors for combine	Item	€3,300.00
GPS Standalone Unit	Item	€3,500.00

### Sprayers

Mounted sprayer with electronic control	per litre	$y = 11.694x + 9758.5$
Mounted sprayer with GPS control	per litre	$y = 15.766x + 11369$
Mounted sprayer GPS ready	per litre	$y = 15.766x + 7869$
Trailed sprayer with electronic control	per litre	$y = 12.803x + 6445$
Trailed sprayer with GPS control	per litre	$y = 11.207x + 14499$
Trailed sprayer GPS ready	per litre	$y = 11.207x + 10999$
Full GPS section Control for sprayers - retrofit	Item	€8,700.00
Self-propelled sprayer	Item	€200,000.00

**Minimum disturbance tillage (PTO driven equipment not permitted)**

Disc stubble cultivator - trailed	linear metre	$y = 2086x + 15457$
Disc stubble cultivator - mounted	linear metre	$y = 4123x - 2108$
Tine stubble cultivator- Trailed	linear metre	$y = 5800.7x + 16268$
Tine stubble cultivator- mounted	linear metre	$y = 8051.5x - 10698$
Seed broadcaster to mount on cultivator	Item	€3,400.00
Combined tine and disc cultivator - trailed	linear metre	$y = 8094x + 15113$
Combined tine and disc cultivator - mounted	linear metre	$y = 6056.5x + 1168.3$
Min till tine and disc drill - trailed	linear metre	$y = 11499x + 20214$
Min till tine and disc drill - mounted	linear metre	$y = 8071.2x + 12646$
Min till tine and disc drill - trailed, seed and fertilizer	linear metre	$y = 13554x + 15546$
Direct drill	linear metre	$y = 8312.5x + 57000$
Strip till drill	linear metre	$y = 15670x + 13761$
Strip till drill - seed and fertiliser	linear metre	$y = 5352.2x + 47943$

**Pesticide reduction**

Heavy Cambridge Roller	linear metre	$y = 2316.5x - 1147$
Heavy Cambridge Roller with paddles	linear metre	$y = 3342.4x - 1290.1$
Furrow Press	linear metre	$y = 17428x - 33764$

**Grain Storage**

Grain Store, ambient bulk store	m <sup>2</sup>	€211.30
Under floor Ventilation System	m <sup>2</sup>	€45.30
On floor Ventilation System	m <sup>2</sup>	€19.20
Pedestal Ventilation System	m <sup>2</sup>	€13.00
Grain store concrete A-segment dividers	m <sup>2</sup>	€89.00
Doorway grain retainer - steel	m <sup>2</sup>	€89.00
Ancillary concrete (max 16m width)	m <sup>2</sup>	€24.60

**Grain treatment Equipment**

Grain dryer – Batch, direct heat only	m <sup>3</sup>	$y = 1203.8x + 36284$
Grain dryer – Batch - indirect heat only	m <sup>3</sup>	$y = 1316.5x + 43481$
Grain dryer - Continuous flow - direct heat only	Tonne per hour output	$y = 1826.9x + 71067$
Grain dryer - Continuous flow - indirect heat only	Tonne per hour output	$y = 1826.9x + 72967$
Grain elevator / augers (not for grain dryers)	Item	€1,500.00
Grain mill (roller/crimper)	Tonne per hour output	$y = 1496x + 6128.2$
Liquid treatment applicator	Item	€1,190.00
Powder treatment applicator	Item	€5,460.00

**Potato Harvesting (for salad potatoes)**

Intake web 1 row	linear metre	€296.40
Main web 1 row	linear metre	€265.20
Intake web 2 row	linear metre	€450.00
Main web 2 row	linear metre	€402.00
Separator segments / dolmens	item	€72.00

**Fertilizer Spreaders**

Full GPS Section control for Fertilizer spreader	Item	€11,300.00
Fertilizer Spreader - Trailed with full GPS Control	Item	€67,500.00
Fertilizer spreader - trailed, fully GPS ready	Item	€64,000.00
Fertilizer Spreader - Mounted with Full GPS Control	per litre	$y = 1.06x + 17600$
Fertilizer spreader - mounted, fully GPS ready	per litre	$y = 1.06x + 14100$

## Precision Grass Measuring Device

Precision Grass Measuring Device

Item

€950.00

## 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.

<b>Description of item</b>		(Rate includes fuel where appropriate)
Tractor	per hour	€18.90
Flat bed trailer	per hour	€4.10
Dump trailer	per hour	€4.50
Dumpers (self-propelled):	per hour	€9.90
Digger (Wheeled machine with front loader and back hoe)	per hour	€19.20
Track Excavators:		
Mini diggers	per hour	€10.80
Large excavators	per hour	€23.80
Rock Breaker attachment for excavators	per hour	€8.10
Bobcat	per hour	€10.50
Self propelled rollers:		
Small (Approx 3 tonne)	per hour	€7.90
Large	per hour	€17.50
Teleporters	per hour	€12.80
Cherry picker	per hour	€12.20
ATV	per hour	€7.50
Post Driver	per hour	€5.00
Post hole borer:		
Manual	per hour	€2.80
Machine mounted	per hour	€4.80
Cement mixer (1 bag mixer)	per hour	€1.20
Power Float (36")	per hour	€5.50
Power Screed	per hour	€5.30
Petrol Poker for concrete	per hour	€3.80
Mobile generator (10kVA)	per hour	€15.30
Welder	per hour	€2.30
Angle grinder	per hour	€1.70
Water pump	per hour	€2.20

**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 (€18.90 + €5.00 = €23.90 per hour).