



Result indicators linked to livestock R.36 (AMR) and R.38 (animal welfare)

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Disclaimer: This presentation is based on the texts discussed in the Council and prepared for the sole purpose of technical clarifications in Grexe. It is with no prejudice to the position of the institutions on the relating legal texts in trilogues.

Introduction

- Related interventions:
 - Animal welfare support (commitment paid annually per LU)
 - Commitments (AECMC or Eco-scheme) & Support to Organic farming (commitment paid annually per ha)
 - Investments (not annual, paid per operation or other units)
 - Sectoral interventions: could be any type of support listed above
- Challenges:
 - Report the Livestock Units for any of this support
 - Mix annual payments with investment support in a cumulative indicator...
 - No double counting: use the Beneficiary ID

The Livestock Units

- Eurostat coefficients are to be used [https://ec.europa.eu/eurostat/statistics-explained/index.php/Glossary:Livestock_unit_\(LSU\)](https://ec.europa.eu/eurostat/statistics-explained/index.php/Glossary:Livestock_unit_(LSU))
- There are more categories than in Reg. 808/2014 currently used for the animal welfare support
- We are looking at a picture of the herd at a point in time and not at the total number of LU produced in a year.
- For the denominator: ESTAT livestock survey, in December.

<u>Bovine animals</u>	Under 1 year old	0,400
	1 but less than 2 years old	0,700
	Male, 2 years old and over	1,000
	<u>Heifers</u> , 2 years old and over	0,800
	Dairy cows	1,000
	Other cows, 2 years old and over	0,800
		0,100
<u>Sheep and goats</u>		0,800
<u>Equidae</u>		
<u>Pigs</u>	Piglets having a live weight of under 20 kg	0,027
	Breeding sows weighing 50 kg and over	0,500
	Other pigs	0,300
<u>Poultry</u>	Broilers	0,007
	Laying hens	0,014
	Ostriches	0,350
	Other poultry	0,030
	Rabbits, breeding females	0,020

Animal welfare commitments

Farm 1: Pig fattening farm with 300 places, ID beneficiary XXX

- Implemented a « package » of management commitments “Animal welfare, pig fattening”, from FY N+1, the commitment is for 3 years.
- A “package” of commitments designed to deliver real added value for the welfare of pigs and to reduce the risk of tail biting
- It includes the following actions: increased space, better access to resources such as feed, water and quality enrichment material to satisfy explorative behavior, decrease competition, stress and aggression, improved thermal comfort and air quality.
- It contributes to R.38 (Animal welfare): how to calculate the numerator in LU?

	FY N	FY N+1	FY N+2	FY N+3	FY N+4
Farm 1, ID XXX		300*0.3	300*0.3	300*0.3	
Paid by FY in LU for R.38		90	90	90	

Investments

Farm 2: dairy farm with 100 cows, ID beneficiary YYY

- Investment: purchase and installation of a smart ear tag system to help monitoring health
- The tags automatically monitor feed uptake, rumination, body temperature, and activity with any abnormalities flagged up to the farmer
- This will help pick up sick cows early, allowing prompt intervention with appropriate treatments where and when needed
- It contributes to improving animal welfare (R.38) and reduce antibiotic use (R.36)

Farm 3: poultry farm with 4000 laying hens, ID beneficiary ZZZ

- Investment: purchase and installation of precision livestock farming techniques for detection if environmental standards/farming conditions of the poultry house correspond to the needs
- It contributes to improving animal welfare (R.38) and reduce antibiotic use (R.36)

Investments

Farm 1: Pig fattening farm with 300 places, ID beneficiary XXX

- Investment: new design of the stable to increase space, change of flooring surfaces, improve thermal comfort and air quality
- It contributes to improving animal welfare (R.38)
- Investments are reported at the time of first payment

	FY N	FY N+1	FY N+2	FY N+3	FY N+4
Farm 2, ID YYY	$100 \times 1 = 100$				
Farm 3, ID ZZZ		$4000 \times 0.014 = 56$			
Farm 1, ID XXX	$300 \times 0.3 = 90$				
First Paid in FY in LU for R.36	100	56			
for R.38	190	56			

Support for organic livestock farming - AECMC

Conditions defined by the MS (in line with EU framework):

- Agricultural land with livestock is supported with EUR 280/ha (premium)
- Livestock needs to be matched with area: If the stocking rate is below 0.5 LU/ha, livestock payment is only paid for the amount of hectare which would result in a stocking rate of 0.5 LU/ha
- Supported LU is reported by farmers directly in the payment claim or
- Supported LU =
$$\frac{\text{Annual payment for agricultural land with livestock}}{\text{Premium}} \times \text{stocking rate}$$

Farm 4: Dairy farm with 20 LU and 40 ha, ID beneficiary AAA

- Based on a stocking rate of 0.5 LU/ha and a per ha payment of EUR 280, the farmer can claim support for all 40 ha of agricultural land with livestock, which amounts to EUR 11 200 and corresponds to **20 supported LU**

Farm 5: Dairy farm with 30 LU and 40 ha, ID beneficiary BBB

- Based on a stocking rate of 0.5 LU/ha and a per ha payment of EUR 280, the farmer can claim support for 40 ha of agricultural land with livestock, which amounts to EUR 11 200 and corresponds to **20 supported LU**

Support for organic livestock farming and LSU-related result indicators

Farm 6: Dairy farm with 10 LU and 40 ha, ID beneficiary CCC

- Based on a stocking rate of 0.5 LU/ha and a per ha payment of EUR 280, the farmer can claim support for 20 ha of agricultural land with livestock, which amounts to EUR 5 600 and **corresponds to 10 supported LU**

Farm 7: Sheep farm with 100 ewes, i.e. 10 LU and 50 ha, ID beneficiary DDD

- Based on a stocking rate of 0.5 LU/ha and a per ha payment of EUR 280, the farmer can claim support for 20 ha of agricultural land with livestock, which amounts to EUR 5 600 and **corresponds to 10 supported LU**
- *Nota bene: The total stocking density must not exceed the limit of 170 kg of N/year/ha (Art. 15 of Regulation (EC) No 834/2007)*
- Organic farming for cattle and sheep can be linked to R.36, reducing antibiotic use

	FY N	FY N+1	FY N+2	FY N+3	FY N+4
Farm 4, ID AAA	20	20	20	20	20
Farm 5, ID BBB	20	20	20	20	20
Farm 6, ID CCC		10	10	10	10
Farm 7, ID DDD				10	10
Paid in LU for R.36	40	50	50	60	60

Support for organic livestock farming – Eco-scheme

Conditions defined by the MS (in line with EU framework):

- Organic + Eco-scheme, with focus on feeding (minimum ratio of fodder in diet) and grazing.
- Agricultural land with livestock is supported with EUR 320/ha (premium)
- Supported LSU is reported by farmers directly in the payment claim

Farm 8: Suckler cow farm with 100 LU and 150 ha, ID beneficiary FFF

- Organic farming for cattle and sheep can be linked to R.36, reducing antibiotic use

	FY N	FY N+1	FY N+2	FY N+3	FY N+4
Farm 8, ID FFF		100	100	100	
Paid by FY in LU for R.36		100	100	100	

Sectoral intervention in the livestock sectors

Farm 9: Pig breeding farms with 500 sows belonging to a PO

- Intervention: Installation (investment) of ultrasound devices to disinfect and clean the water lines, by removing the 'biofilm' (layer created inside the pipes, sheltering microorganisms that make the water less desirable, and spreading diseases).
- The improvement of water quality in pig production has an impact in both welfare (R.38) and AMR (R.36) result indicators.
- The intervention has to be part of the Operational Programme of a Recognised PO, to be available to PO members. The cost of the investment is co-financed 50%.
- Unit amount = 20 EUR/sow (the EU part)
- The number of sows is indicated in the application or can be calculated based as Payment / Unit amount.

	FY N	FY N+1	FY N+2	FY N+3	FY N+4
Farm 9, ID FFF			500*0.5= 250		
Paid by FY in LU for R.36 & R.38			250		

Computing the result indicators

- They are CUMULATIVE, no double counting
- Animal welfare – R.38

		FY N	FY N+1	FY N+2	FY N+3	FY N+4
Animal welfare Commitment	Farm 1, ID XXX		90	90	90	90
Investment	Farm 1, ID XXX	90	90	90	90	90
	Farm 2, ID YYY	100	100	100	100	100
Sectoral intervention, Investment	Farm 9, no ID			250	250	250
Total LU for the numerator of R.38		190	190	440	440	440

Computing the result indicators

- AMR – R.36

		FY N	FY N+1	FY N+2	FY N+3	FY N+4
Investment	Farm 2, ID YYY	100	100	100	100	100
	Farm 3, ID YYY		56	56	56	56
Sectoral intervention, Investment	Farm 9, no ID			250	250	250
Organic – AECMC	Farm 4, ID AAA	20	20	20	20	20
	Farm 5, ID BBB	20	20	20	20	20
	Farm 6, ID CCC		10	10	10	10
	Farm 7, ID DDD				10	10
Organic – Eco-scheme	Farm 8, ID FFF		100	100	100	100
Total LU for the numerator of R.36		140	306	556	566	566

Thank you



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Annexes

Annex II of Commission implementing Regulation (EU) No 808/2014

Conversion rates of animals to livestock units ('LU') referred to in Article 9(2)

Bulls, cows and other bovine animals over two years and equine animals over six months	1,0 LU
Bovine animals from six months to two years	0,6 LU
Bovine animals below six months	0,4 LU
Sheep and goats	0,15 LU
Breeding sows > 50Kg	0,5 LU
Other pigs	0,3 LU
Laying hens	0,014 LU
Other poultry (*)	0,03 LU

Conversion rates may be increased, taking into account scientific evidence to be explained and duly justified in the RDPs.

Other categories of animals may be added exceptionally. Conversion rates for any such categories shall be established taking into account particular circumstances and scientific evidence to be explained and duly justified in the RDPs.

(*) For this category conversion rates may be decreased, taking into account scientific evidence to be explained and duly justified in the RDPs.