

Translation of the questionnaire “Survey about participation in the agri-environment measure ‘refrain from silage’”

This translation of the questionnaire “Survey about participation in the agri-environment measure ‘refrain from silage’” is prepared as supplementary material for the article “Randomised controlled trials for the evaluation of the CAP: empirical evidence about acceptance by farmers” submitted to the “German Journal of Agricultural Economics”. The original survey was done in German. The survey was run online using the software LimeSurvey. For further details about the survey please refer to our article.

In the translation below, a “*” indicates that the reply was mandatory. References to replies from other questions within the text of a question or as part of a conditional statement are indicated by “[]” with the respective question is in the parentheses (e.g., Q[22] for the reply from Question 22).

Survey about participation in the agri-environment measure „refrain from silage“

Dear farmers,

for the future of the agricultural policy, it is important understanding the effect of CAP measures. At the University of Natural Resources and Life Sciences Vienna we work on developing new methods to prove the effect of CAP measures.

The objective of this survey is learning what you think about the methods we develop. We compare two methods using a thought experiment (“Imagine, ...”).

For the survey the agri-environment measure “refrain from silage” of the Rural development programme 2014-2020 was chosen as example.

The survey takes about 10 minutes. For the first 1000 completed survey we donate 1€ each either for the charity “Bauern für Bauern”, “Caritas” or “St. Anna Kinderkrebsforschung”. At the end of the survey you decide on the recipient.

We treat your replies confidential, use them only for our research and do not forward it to others.

Thank you for your support!

With kind regards,

Dr. Ulrich Morawetz
(Senior Scientist)

Department of Economics and Social Sciences
University of Natural Resources and Life Sciences Vienna
Feistmantelstraße 4, 1180 Wien
Tel: 01/47654-73130
Email: ulrich.morawetz@boku.ac.at



Universität für Bodenkultur Wien

Information about the measure “refrain from silage”

The survey is about the agri-environment measure „refrain from silage“. We first summarize the most important facts about the measure as currently regulated in the program for rural development 2014-2020.

Objective of the measure:

- *Contribution to securing biodiversity of plants and animals in grassland through a later first mowing and maintaining tessellated grassland structures*
- *Maintenance of a traditional silage free use of grassland.*

Conditions of participation:

- *Refrain from production and use as well as storage of silage on the entire farm (including haylage)*
- *Transfer of mowing material to others only in the form of hay*

Premiums:

For arable land used for fodder production, meadows used for mowing and pastures (excluding litter meadows, mountain meadows, permanent pastures):

- *80 €/ha for livestock owners (min. 0.5 roughage eating livestock units/ha eligible area)*
- *150 €/ha for dairy cattle owners (milk production of at least 2,000 kg/ha eligible area)*
- *No premium for those not owning animals*

Questions about participation 1

[Q1*]

Has your farm participated in the agri-environment measure “refrain from silage” in the year 2017?

Please select one of the replies:

- [Q1.1] Yes
- [Q1.1] No

Questions about participation 2

To derive a realistic estimate of your premium in the agri-environment measure “refrain from silage”, we ask you to give the following details (please refer to the cut-off date 1st April 2017)

[Q2*]

How many ha is your eligible area, i.e. the sum of arable land used for fodder production, meadows used for mowing and pastures (excluding litter meadows, mountain meadows, permanent pastures).

Please enter your answer here:

- [Q2] _____ ha

[Q3*]

How much livestock did you have on your farm last year (1st April 2017). This is used to calculate the roughage eating livestock units.

Please enter your answers here:

- [Q3.1] ___ Calf (up to an age of 6 months)
- [Q3.2] ___ Cattle from 6 months to 2 years
- [Q3.3] ___ Cattle above 2 years
- [Q3.4] ___ Sheep and goats up to a year
- [Q3.5] ___ Sheep and goats above a year

Calculation not visible to respondent

[Q4*] Threshold milk quantity

$$Q4 = \{ [Q2] * 2000 \}$$

[Q5*] Roughage eating livestock units

$$Q5 = \{ Q3.1 * 0.4 + Q3.2 * 0.6 + Q3.3 * 1 + Q3.4 * 0.07 + Q3.5 * 0.15 \}$$

[Q6*] Roughage eating livestock units per eligible area

$$Q6 = [Q5] / [Q2]$$

Questions about participation 3

[Q7*]

How many kg milk have you sold in 2017 (sales to diary and direct marketing together)?

Please use only one of the replies

- [Q7.1] Above [Q4] kg per year
- [Q7.2] Less than [Q4] kg per year
- [Q7.3] I do not sell milk

Calculation not visible to respondent

[Q8*]

$Q8 = \{ \text{if}([\text{Q6}] < 0.5, 0, \text{if}([\text{Q7}] = \text{"Q7.1"}, 150 * [\text{Q2}], 80 * [\text{Q2}])) \}$

Information about premium

[Q9*]

Based on your replies, you have

- *[Q2] ha eligible area,*
- *[Q5] roughage eating livestock units ([Q6] roughage eating livestock units/ha) and*
- *sell {if((([Q6]<0.5, "more than 2000 kg/ha", "less than 2000 kg/ha or no"))}*
milk.

For the following questions we assume, based on your replies, the calculative value

- *[Q8] Euro per year*

as your premium for the agri-environment measure "refrain from silage".

Scenario "No obligations – No premium"

[the order of this scenarios and the scenario "No obligations - Still receiving the premium" below was randomized]

[Q10*]

Assume, you receive a letter with the following content:

Dear Mr / Dear Mrs ...,

we want to access the effect of the agri-environment measure "refrain from silage". For this purpose you were randomly selected. This implies:

- Next year you cannot participate in the measure "refrain from silage"*
- $\{if([Q8]>0, "Consequently you also do not receive the premium of \{[Q8]\}$ Euro.", "Consequently you do not receive the premium which, in your case, was 0 Euro anyways.")}*

It is therefore your free choice how to conserve livestock fodder. $\{if([Q8]>0, "But you will not receive a premium in the next year.", " ")}$. We will then be able to access the effect of the measure based on your behaviour.

In the following year you will receive the premium as usual, but you will also have to oblige the conditions of the measure "refrain from silage".

Would you agree to that?

Please select only one of the options:

- [Q10.1] I would agree, because ...
- [Q10.2] I would disagree, because ...

[Q11 if Q10=Q10.1]

Please select all applicable replies:

- [Q11.1] ... it is important being able to prove the effect of the measure
- [Q11.2] ... the measure "refrain from silage" is not important to me (e.g, because the premium is low)
- [Q11.3] Other reasons: _____

[Q12 if Q10=Q10.2]

Please select all applicable replies:

- [Q12.1] ... I consider it as unfair
- [Q12.2] ... it is a disadvantage for me
- [Q12.3] ... I have expected to receive the premium (e.g. related to investments)
- [Q12.4] ... I am generally against evaluations
- [Q12.5] Other reasons: _____

[Q13]

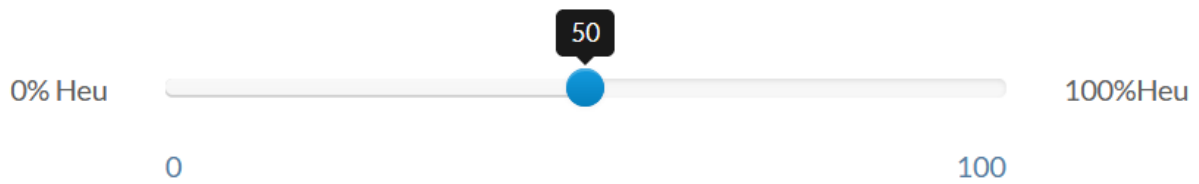
As this is a thought experiment, we ask you to answer the following question, even if you are not accepting the proposed evaluation method.

[Q14*]

How many percent of mowing material would you conserve as hay next year, if you cannot take part in the agri-environment measure "refrain from silage" {if([Q8] > 0, "and consequently do not receive the premium of {[Q8]} Euro?", "?")}

Please use the scroll bar to enter your reply

- [Q14] Conserved mowing material:



[Note: This is a screenshot from the original survey and "Heu" is German for "Hay"]

Debriefing 1

[Q15* if [Q14]=100]

What are the decisive reasons for conserving [Q14]% as hay even though you are not obliged to?

Please select all applying replies:

- [Q14.1] The existing facilities (e.g., "I have hay ventilation" or "I have no silo")
- [Q14.2] Existing contracts (e.g., contract to deliver hay-milk)
- [Q14.3] My sales opportunities (e.g., price and sales opportunities of hay-milk or hay)
- [Q14.4] The production risk (e.g. problems making silage)
- [Q14.5] The flexibility of hay feeding
- [Q14.6] The required amount of hay for my livestock
- [Q14.7] The health of my livestock
- [Q14.8] I have a lot of experience in hay production
- [Q14.9] I have little experience in silage production
- [Q14.10] To support biodiversity
- [Q14.11] To support traditional farming practice
- [Q14.12] Other reasons: ____

[Q16* if [Q14]>0 and [Q14]<100]

What are the decisive reasons for conserving [Q14]% as hay even though you are not obliged to?

Please select all applying replies:

- [Q16.1] The existing facilities (e.g., hay ventilation)
- [Q16.1] Existing contracts (e.g., contract to deliver hay-milk)
- [Q16.1] My sales opportunities (e.g., price and sales opportunities of hay-milk or hay)
- [Q16.1] The production risk (e.g. problems making silage)
- [Q16.1] The flexibility of hay feeding
- [Q16.1] The required amount of hay for my livestock
- [Q16.1] I have a lot of experience in hay production
- [Q16.1] I have limited experience in silage production
- [Q16.1] To support biodiversity
- [Q16.1] To support traditional farming practice
- [Q16.1] Other reasons: ____

[Q17* if [Q14]>0 and [Q14]<100]

What are the decisive reasons for not only conserving as hay, but also in other ways (e.g., Silage)?

Please select all applying replies:

- [Q17.1] The existing facilities (e.g., silo, round baler)
- [Q17.2] My limited storage space for hay
- [Q17.3] I sell silage
- [Q17.4] The production risk of hay (e.g., weather during hay production)
- [Q17.5] Work effort for hay
- [Q17.6] Flexibility for in feeding
- [Q17.7] The required silage amount for my livestock
- [Q17.8] The health of my livestock
- [Q17.9] I have limited experience in hay production
- [Q17.10] I have a lot of experience in silage production
- [Q17.11] Other reasons: _____

[Q18* if [Q14]=0]

What are the decisive reasons for conserving [Q14]% as hay?

Please select all applying replies:

- [Q18.1] The existing facilities (e.g., silo, round baler)
- [Q18.2] My limited storage space for hay
- [Q18.3] I sell silage
- [Q18.4] The production risk of hay (e.g., weather during hay production)
- [Q18.5] The lower work effort of silage production
- [Q18.6] Flexibility in silage feeding
- [Q18.7] The required silage amount for my livestock
- [Q18.8] The health of my livestock
- [Q18.9] I have limited experience in hay production
- [Q18.10] I have a lot of experience in silage production
- [Q18.11] Other reasons: _____

Scenario "No obligations - Still receiving the premium"

[the order of this scenarios and the scenario " No obligations – No premium " above was randomized]

[Q19*]

Assume, you receive a letter with the following content:

Dear Mr / Dear Mrs ...,

we want to access the effect of the agri-environment measure "refrain from silage". For this purpose you were randomly selected. This implies:

- *Next year you must not oblige the conditions of the agri-environment measure "refrain from silage"*
- *You still receive the premium of [Q8] Euro.*

It is therefore your free choice how to conserve livestock fodder. You will receive the premium in any case. We will then be able to access the effect of the measure based on your behaviour.

In the following year you will receive the premium as usual, but you will also have to oblige the conditions of the measure "refrain from silage".

Would you agree to that?

Please select only one of the options:

- [Q19.1] I would agree, because ...
- [Q19.2] I would disagree, because ...

[Q20 if Q19=Q19.1]

Please select all applicable replies:

- [Q20.1] ... it is important being able to prove the effect of the measure
- [Q20.2] ... it is an advantage for me
- [Q20.3] ...Other reasons

[Q21 if Q19=Q19.2]

Please select all applicable replies:

- [Q21.1] ... I consider it as unfair
- [Q21.2] ... It doesn't make sense to pay a premium if there is no obligation linked to it
- [Q21.3] ... I am generally against evaluations
- [Q21.4] ... Other reasons: _____

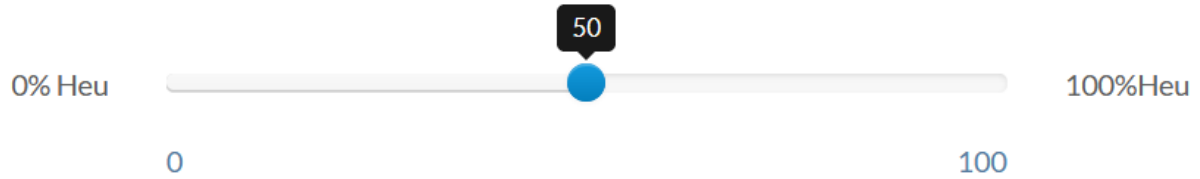
[Q22*]

As this is a thought experiment, we ask you to answer the following question, even if you are not accepting the proposed evaluation method.

[Q23] *How many percent of mowing material would you conserve as hay next year, if you do not have to oblige the conditions of the agri-environment measure “refrain from silage” but you will still be paid the premium of {[Q8]} Euro?*

Please use the scroll bar to enter your reply:

- [Q23] Conserved mowing material:



[Note: This is a screenshot from the original survey and “Heu” is German for “Hay”]

Debriefing 2

[Q24* if [Q23]=100]

What are the decisive reasons for conserving [Q23]% as hay even though you are not obliged to?

Please select all applying replies:

- [Q24.1] The existing facilities (e.g., "I have hay ventilation" or "I have no silo")
- [Q24.2] Existing contracts (e.g., contract to deliver hay-milk)
- [Q24.3] My sales opportunities (e.g., price and sales opportunities of hay-milk or hay)
- [Q24.4] The production risk (e.g. problems making silage)
- [Q24.5] The flexibility of hay feeding
- [Q24.6] The required amount of hay for my livestock
- [Q24.7] I have a lot of experience in hay production
- [Q24.8] I have little experience in silage production
- [Q24.9] To support biodiversity
- [Q24.10] To support traditional farming practice
- [Q24.11] The unconditional premium of [Q8] Euro
- [Q24.12] Other reasons: _____

[Q25 if Q24=Q24.11 AND [Q23]=100]

You replied that the unconditional premium of [Q8] Euro was decisive to conserve [Q23]% as hay. What was the reason?

Please select all applying replies:

- [Q25.1] Only with a premium of [Q8] Euro I can afford to conserve [Q23]% as hay.
- [Q25.2] I feel morally obliged to conserve [Q23] % as hay because I receive a premium of [Q8] Euro
- [Q25.3] Other reasons: _____

[Q26* if ([Q23]>0 AND [Q23]<100)]

What are the decisive reasons for conserving [Q23]% as hay even though you are not obliged to?

Please select all applying replies:

- [Q26.1] The existing facilities (e.g., hay ventilation)
- [Q26.2] Existing contracts (e.g., contract to deliver hay-milk)
- [Q26.3] My sales opportunities (e.g., price and sales opportunities of hay-milk or hay)
- [Q26.4] The production risk (e.g. problems making silage)
- [Q26.5] The flexibility of hay feeding
- [Q26.6] The required amount of hay for my livestock
- [Q26.7] I have a lot of experience in hay production
- [Q26.8] I have limited experience in silage production
- [Q26.9] To support biodiversity
- [Q26.10] To support traditional farming practice
- [Q26.11] The unconditional premium of [Q8] Euro
- [Q26.12] Other reasons: _____

[Q27* if ([Q23]>0 AND [Q23]<100) AND [Q26]=Q26.11]

You replied that the unconditional premium of [Q8] Euro was decisive to conserve [Q23]% as hay. What was the reason?

Please select all applying replies:

- [Q27.1] Only with a premium of [Q8] Euro I can afford to conserve [Q23]% as hay.
- [Q27.2] I feel morally obliged to conserve [Q23] % as hay because I receive a premium of [Q8] Euro
- [Q27.3] Other reasons: _____

[Q28* if ([Q23]>0 AND [Q23]<100)]

What are the decisive reasons for not only conserving as hay, but also in other ways (e.g., Silage)?

Please select all applying replies:

- [Q28.1] The existing facilities (e.g., silo, round baler)
- [Q28.2] My limited storage space for hay
- [Q28.3] I sell silage
- [Q28.4] The production risk of hay (e.g., weather during hay production)
- [Q28.5] Work effort for hay
- [Q28.6] Flexibility for in feeding
- [Q28.7] The required silage amount for my livestock
- [Q28.8] The health of my livestock
- [Q28.9] I have limited experience in hay production
- [Q28.10] I have a lot of experience in silage production
- [Q28.11] Other reasons: _____

[Q29* if [Q23]=0]

What are the decisive reasons for conserving [Q23]% as hay?

Please select all applying replies:

- [Q29.1] The existing facilities (e.g., silo, round baler)
- [Q29.2] My limited storage space for hay
- [Q29.3] I sell silage
- [Q29.4] The production risk of hay (e.g., weather during hay production)
- [Q29.5] The lower work effort of silage production
- [Q29.6] Flexibility in silage feeding
- [Q29.7] The required silage amount for my livestock
- [Q29.8] The health of my livestock
- [Q29.9] I have limited experience in hay production
- [Q29.10] I have a lot of experience in silage production
- [Q29.11] Other reasons: _____

Debriefing 3

[Q30*]

What way your experience when answering the questions about the thought experiment?

Please select all applying replies:

	I agree	I rather agree	I rather disagree	I disagree
The thought experiment was easy to imagine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The percentage of hay was easy to estimate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It was a pleasure supporting research on evaluation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Questions about the respondent's farm

We want to ask questions about your farm.

[Q31*]

Please categorize your farm by the economically most important activity

Please select only one of the following replies:

- [Q31.1] Cattle fattening
- [Q31.2] Suckler cows
- [Q31.3] Dairy cattle
- [Q31.4] Sheep or goat
- [Q31.5] Horses
- [Q31.6] Forest
- [Q31.6] Field crops
- [Q31.7] Permanent crops (e.g. wine or fruit)
- [Q31.8] Granivores and pigs
- [Q31.9] Horticulture
- [Q31.10] Other agricultural activities
- [Q31.11] Other non-agricultural activities (tourism, ...)

[Q32*]

Which facilities has your farm (multiple replies possible)

Please select all applying replies:

- [Q32.1] Hay ventilation
- [Q32.2] Bunker silo
- [Q32.3] Tower silo
- [Q32.4] Round baler press (owned)
- [Q32.5] Round baler wrapper (owned)
- [Q32.6] Access to round baler press (e.g. neighbour, machinery ring association)
- [Q32.7] Access to round balder wrapper (e.g. neighbour, machinery ring association)

[Q33*]

Do you sell milk?

Please select all applying replies:

- [Q33.1] I sell milk to a dairy
- [Q33.2] I sell milk in direct marketing
- [Q33.3] I sell milk as processed good (e.g. cheese, butter, ...)

[Q34* if Q33=Q33.1 or Q33.2]

Do you receive a premium for the milk soled to the dairy?

Please select only one of the following replies:

- [Q32.1] No premium
- [Q32.2] Hay-milk premium
- [Q32.3] Organic-milk premium
- [Q32.4] Hay- and organic-milk premium

[Q35] Price the dairy currently pays for the milk (gross, including value added tax and all premiums and discounts, as from the latest milk invoice)

Please enter your reply here:

- [Q35] ____ (cents per kilo)

[Q36*]

Farm management

Please select only one of the following replies:

- [Q36.1] Organic
- [Q36.2] Conversion to organic
- [Q36.3] Conventional

[Q37*] *Are you currently farm manager?*

Please select only one of the following replies:

- [Q37.1] Yes
- [Q37.2] No

[Q38*] *Your gender*

Please select only one of the following replies:

- [Q38.1] female
- [Q38.2] male

[Q39*]

Year of birth

Please enter your reply here:

- [Q39] _____

Survey related questions

[Q40]

Thank you for the replies so far. For each of the first 1000 fully answered surveys we donate 1€ for the charities [Bauern für Bauern](#), [Caritas](#) or [St. Anna Kinderkrebsforschung](#).

For which charity do you want us to donate?

Please select only one of the following replies:

- [Q40.1] Bauern für Bauern
- [Q40.2] Caritas
- [Q40.3] St. Anna Kinderkrebsforschung

[Q41]

We would appreciate general feedback about this survey

Please enter your reply here:

- [Q41] _____

[Q42]

Do you want to receive emails in the future?

Please select all applying replies:

- [Q42.1] I want to receive the results from this survey
- [Q42.2] I want to participate in future survey by the University of Natural Resources and Life Sciences Vienna

[Q43] Email address for future Emails:

Please enter your reply here:

- [Q43] _____

Thank you for taking the time to participate in the survey.

Dr. Ulrich Morawetz
Senior Scientist
Department of Economics and Social Sciences
University of Natural Resources and Life Sciences Vienna