



Supplement of

The effects of restrictive measures due to the COVID-19 pandemic on the extensive farming system of small ruminants

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Supplement (Sect. S1): A questionnaire for the effects of restrictive measures due to Covid-19 pandemic on the extensive farming system of sheep and goats.

| Consent Provision | | |
|--|---|---|
| Please provide your consent to participate in this study | <input type="checkbox"/> Yes, I consent | <input type="checkbox"/> No, I do not consent |
| Research's Code Number: | | |
| Date: | | |

| No | Question |
|-----------------------------------|--|
| 1 Livestock holding's info | |
| 01 | Farm's National Reference Number (No): |
| 02 | Breeder's Name: |
| 03 | In which Local Community is your farm located? |

| 2 | Breeder's profile |
|----|--|
| 04 | Gender Male <input type="checkbox"/> Female <input type="checkbox"/> |
| 05 | Please indicate your age group 21-30 years <input type="checkbox"/> , 31-40 years <input type="checkbox"/> , 41-50 years <input type="checkbox"/> , 51-60 years <input type="checkbox"/> , 61-70 years <input type="checkbox"/> |
| 06 | Please indicate your educational level Primary School <input type="checkbox"/> Middle School <input type="checkbox"/> High School <input type="checkbox"/> |
| | Technological Educational Institute's degree <input type="checkbox"/> Bachelor's degree <input type="checkbox"/> |
| 07 | Do you have any other activities in addition to animal husbandry? No <input type="checkbox"/> Yes <input type="checkbox"/> |
| 08 | If yes, please specify. |

| 3 | Livestock holdings characteristics |
|----|--|
| 09 | Please define the type of your holding Individual <input type="checkbox"/> Family <input type="checkbox"/> |
| 10 | Number of family employees in your holding (No) 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> |
| 11 | Number of non-family employees in your holding (No) 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> |
| 12 | Please define the applied farming system in your holding Sedentary <input type="checkbox"/> (Animals can freely utilize the pastures that are allocated to the village where the breeder resides) Transhumant <input type="checkbox"/> (Seasonal movement of animals between winter and summer pastures) |
| 13 | Kind of raised animal species Sheep <input type="checkbox"/> Goats <input type="checkbox"/> |
| 14 | Number of animal species (No) |
| 15 | Please specify the structure of flock in your holding Sheep <input type="checkbox"/> Goats <input type="checkbox"/> Mixed <input type="checkbox"/> |
| 16 | Please specify the orientation of production in your holding Milk <input type="checkbox"/> Meat <input type="checkbox"/> Mixed <input type="checkbox"/> |

| | | | | |
|------------|---|--|--|---|
| 4 | Effect of Covid-19 and Restrictive Measures on: | | | |
| 4.1 | Breeders | | | |
| 17 | Did Covid-19 pandemic affect your health? | No <input type="checkbox"/> | Yes <input type="checkbox"/> | |
| 18 | If yes, how were you affected? | Directly <input type="checkbox"/> (Infected) | Indirectly <input type="checkbox"/> (Psychologically, due to the increased stress and anxiety) | |
| 19 | How did the restrictive measures affect your daily work routine? | Negatively <input type="checkbox"/> | Neutrally <input type="checkbox"/> | Positively <input type="checkbox"/> |
| 20 | Please specify for how long your daily work routine was affected | | | |
| 4.2 | Animal Management Practices | | | |
| 21 | Has there been any change in the daily movement of animals in pastures? (In the meaning of duration of grazing time in pastures as well as the daily sheep and goats travel distance to cover their nutritional needs) | No change <input type="checkbox"/> | Increased <input type="checkbox"/> | Reduced <input type="checkbox"/> |
| 22 | Has there been any change in the quantity of the administered feedstuffs? | No change <input type="checkbox"/> | Increased <input type="checkbox"/> | Reduced <input type="checkbox"/> |
| 23 | Has there been any change in the animal capital of your holding? | No change <input type="checkbox"/> | Increased <input type="checkbox"/> | Reduced <input type="checkbox"/> |
| 24 | Has there been any improvement in the hygienic conditions of your holding? (In the meaning of keeping the farm environment cleaner, wearing a mask when coming in contact with the workers, washing hands more often, and using antiseptics) | No change <input type="checkbox"/> | | Yes, I improved them <input type="checkbox"/> |
| 4.3 | Animal Products | | | |
| 25 | Has there been any change in the demand for animal products? | No change <input type="checkbox"/> | Increased <input type="checkbox"/> | Reduced <input type="checkbox"/> |
| 26 | Which animal products were affected? | Milk <input type="checkbox"/> | Meat <input type="checkbox"/> | |
| 27 | How much was approximately the change (%)? | 10 <input type="checkbox"/> 20 <input type="checkbox"/> 30 <input type="checkbox"/> 40 <input type="checkbox"/> More <input type="checkbox"/> | 10 <input type="checkbox"/> 20 <input type="checkbox"/> 30 <input type="checkbox"/> 40 <input type="checkbox"/> More <input type="checkbox"/> | |
| 28 | Has there been any change in the price of animal products? | No change <input type="checkbox"/> | Increased <input type="checkbox"/> | Reduced <input type="checkbox"/> |
| 29 | If yes, which products' price was affected? | Milk <input type="checkbox"/> | | Meat <input type="checkbox"/> |
| 30 | Which time period did you observe the change? | | | |
| 4.4 | Labor-Personnel | | | |
| 31 | Has there been any change in the number of non-family employees of your holding during the restrictive measures? | No change <input type="checkbox"/> | Increased <input type="checkbox"/> | Reduced <input type="checkbox"/> |
| 32 | Was there an observed lack of new laborers/workers during the restrictive measures? | No <input type="checkbox"/> | | Yes <input type="checkbox"/> |
| | Do you have any questions? Are there any comments? | | | |