

Tables S

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Table S1. Manpower involved in the care and management of flocks: responses from all breeders and divided according to breeder category.

Variable	All Breeders		Farmers		Fancy Breeders		χ^2 ¹
	n	%	n	%	n	%	
Employees	(n = 105)		(n = 72)		(n = 33)		
Family members	80 ^A	77	48 ^A	67	32 ^A	97	**
External personnel	11 ^B	10	10 ^B	14	1 ^B	3	NS
Family members + external personnel	14 ^B	13	14 ^B	19	0 ^B	0	**
Family members (n)	(n = 78)		(n = 57)		(n = 21)		
< than 5	74 ^A	95	53 ^A	93	21 ^A	100	NS
5 or more	4 ^B	5	4 ^B	7	0 ^B	0	NS
External personnel (n)	(n = 25)		(n = 24)		(n = 1)		
< than 5	15 ^A	60	15 ^A	63	0	0	NS
Between 5 - 10	8 ^{A,B}	32	7 ^B	29	1	100	NS
> than 10	2 ^B	8	2 ^B	8	0	0	NS

¹ Chi square test for a single variable between the two breeder categories, i.e. within row comparisons; significance levels: ** $p < 0.01$; NS, non-significant ($p > 0.05$). ^{A-B} Observations with different superscripts within the column are significantly different (χ^2 -test $p < 0.01$).

Table S2. Environmental housing conditions adopted: responses from all breeders and divided according to breeder category.

Variable	All Breed-ers		Farmers		Fancy Breeders		χ^2 ¹
	n	%	n	%	n	%	
Heating system	(n = 77)		(n = 62)		(n = 15)		
Yes	38	49	36	58	2 ^B	13	**
No	39	51	26	42	13 ^A	87	**
Cooling system	(n = 77)		(n = 62)		(n = 15)		
Yes	2 ^B	3	2 ^B	3	0 ^B	0	NS
No	75 ^A	97	60 ^A	97	15 ^A	100	NS
Ventilation system	(n = 77)		(n = 62)		(n = 15)		
Environmental conditions	73 ^A	95	58 ^A	94	15 ^A	100	NS
Forced air system	0 ^B	0	0 ^B	0	0 ^B	0	NS
Combined system	4 ^B	5	4 ^B	6	0 ^B	0	NS
Lighting system	(n = 77)		(n = 62)		(n = 14)		
Environmental conditions	60 ^A	78	48 ^A	78	12 ^A	86	NS
Artificial lighting	2 ^C	3	2 ^C	3	0 ^B	0	NS
Combined system	14 ^B	18	12 ^B	19	2 ^B	14	NS
Temperature measurement	(n = 77)		(n = 62)		(n = 15)		
Yes	6 ^B	8	5 ^B	8	1 ^B	7	NS
No	71 ^A	92	57 ^A	92	14 ^A	93	NS
RH measurement	(n = 77)		(n = 62)		(n = 15)		
Yes	4 ^B	5	3 ^B	5	1 ^B	7	NS
No	73 ^A	95	59 ^A	95	14 ^A	93	NS
Air quality measurement	(n = 77)		(n = 62)		(n = 15)		
Yes	1 ^B	1	1 ^B	2	0 ^B	0	NS
No	76 ^A	99	61 ^A	98	15 ^A	100	NS

¹ Chi square test for a single variable between the two breeder categories, i.e. within row comparisons; significance levels: ** $p < 0.01$; NS, non-significant ($p > 0.05$). ^{A-C} Observations with different superscripts within the column are significantly different (χ^2 -test $p < 0.01$).

Table S3. Pen cover and ground vegetation: responses from all breeders and divided according to breeder category.

Variable	All Breeders		Farmers		Fancy Breeders		χ^2 ¹
	n	%	n	%	n	%	
Cover	(n = 105)		(n = 68)		(n = 37)		
Yes	45	43	21 ^B	31	24 ^a	65	**
No	60	57	47 ^A	69	13 ^b	35	**
Cover material	(n = 23)		(n = 15)		(n = 8)		
Netting	9 ^A	39	9 ^A	60	0 ^B	0	**
Fabric canopy	12 ^A	52	6 ^A	40	6 ^A	75	NS
Netting & fabric canopy	2 ^B	9	0 ^B	0	2 ^{A,B}	25	NS
Vegetation	(n = 87)		(n = 59)		(n = 28)		
Meadow	14 ^B	16	11 ^B	19	3 ^{B,C}	11	NS
Bushes	3 ^C	3	3 ^C	5	0 ^C	0	NS
Trees	30 ^A	35	22 ^A	37	8 ^{A,B}	28	NS
Combination of the above	40 ^A	46	23 ^A	39	17 ^A	61	NS
Type of meadow	(n = 51)		(n = 34)		(n = 17)		
Perennial	18 ^A	35	12 ^A	35	6 ^A	35	NS
Polyphyletic	27 ^A	53	18 ^A	53	9 ^A	53	NS
Graminaceous	3 ^B	6	1 ^B	3	2 ^{A,B}	12	NS
Alfalfa	3 ^B	6	3 ^B	9	0 ^B	0	NS

¹ Chi square test for a single variable between the two breeder categories, i.e. within row comparisons; significance levels: ** $p < 0.01$; NS, non-significant ($p > 0.05$). ^{A-C} Observations with different superscripts within the column are significantly different (χ^2 -test $p < 0.01$). ^{a-b} Observations with different superscripts within the column are significantly different (χ^2 -test, $p < 0.05$).

Table S4. Litter management: responses from all breeders and divided according to breeder category.

Variable	All Breeders		Farmers		Fancy Breeders		χ^2 ¹
	n	%	n	%	n	%	
Addition of additives	(n = 71)		(n = 56)		(n = 15)		
Yes	2 ^B	3	1 ^B	2	1 ^B	7	NS
No	69 ^A	97	55 ^A	98	14 ^A	93	NS
Flip over of the litter	(n = 70)		(n = 56)		(n = 14)		
Yes	11 ^B	16	4 ^B	7	7	50	**
No	59 ^A	84	52 ^A	93	7	50	**

¹ Chi square test for a single variable between the two breeder categories, i.e. within row comparisons; significance levels: ** $p < 0.01$; NS, non-significant ($p > 0.05$). ^{A-C} Observations with different superscripts within the column are significantly different (χ^2 -test $p < 0.01$).

Table S5. Pen furnishings: responses from all breeders and divided according to breeder category.

Variable	All Breeders		Farmers		Fancy Breeders		χ^2 ¹
	n	%	n	%	n	%	
Water distribution	(n = 120)		(n = 75)		(n = 45)		
Manual	84 ^A	70	53 ^A	70	31 ^A	69	NS
Automatic	29 ^B	24	17 ^B	23	12 ^B	27	NS
Both	7 ^C	6	5 ^C	7	2 ^C	4	NS
Feed distribution	(n = 119)		(n = 75)		(n = 44)		
Manual	109 ^A	92	69 ^A	92	40 ^A	91	NS
Automatic	10 ^B	8	6 ^B	8	4 ^B	9	NS
Both	0 ^C	0	0 ^C	0	0 ^C	0	
Silos	(n = 97)		(n = 66)		(n = 31)		
Yes	29 ^B	30	23 ^B	35	6 ^B	19	NS
No	68 ^A	70	43 ^A	65	25 ^A	81	NS
Nests	(n = 119)		(n = 75)		(n = 44)		
Yes	112 ^A	94	69 ^A	92	43 ^A	98	NS
No	7 ^B	6	6 ^B	8	1 ^B	2	NS
Nests	(n = 104)		(n = 64)		(n = 40)		
Single	27 ^B	26	15 ^B	24	12 ^B	30	NS
Group	72 ^A	69	47 ^A	73	25 ^A	63	NS
Both	5 ^C	5	2 ^C	3	3 ^C	7	NS

¹ Chi square test for a single variable between the two breeder categories, i.e. within row comparisons; significance levels: NS, non-significant ($p > 0.05$). ^{A-C} Observations with different superscripts within the column are significantly different (χ^2 -test $p < 0.01$).

Table S6. Self-production of feed primary materials: responses from all breeders and divided according to breeder category.

Variable	All Breeders		Farmers		Fancy Breeders		χ^2 ¹
	n	%	n	%	n	%	
Self-production of Primary Materials ²	(n = 74)		(n = 55)		(n = 19)		
Maize	65 ^A	88	49 ^A	89	16 ^a	84	NS
Wheat	38 ^B	51	27 ^B	49	11 ^{a,b}	58	NS
Barley	33 ^{B,C}	45	22 ^{B,C}	40	11 ^{a,b}	58	NS
Bran	22 ^C	30	15 ^C	27	7 ^b	37	NS
Soybean	24 ^C	32	14 ^C	25	10 ^{a,b}	53	*
Other	26 ^{B,C}	35	18 ^{,BC}	33	8 ^b	42	NS

¹ Chi square test for a single variable between the two breeder categories, i.e. within row comparisons; significance levels: * $p < 0.05$; NS, non-significant ($p > 0.05$). ^{A-C} Observations with different superscripts within the column are significantly different (χ^2 -test $p < 0.01$). ^{a-b} Observations with different superscripts within the column are significantly different (χ^2 -test, $p < 0.05$).

Table S7. Flock vaccinations and medical treatments performed: responses from all breeders and divided according to breeder category.

Variable	All Breeders		Farmers		Fancy Breeders		χ^2 ¹
	n	%	n	%	n	%	
Marek's Disease vaccination	(n = 53)		(n = 34)		(n = 19)		
Yes	36 ^A	68	25 ^A	74	11	58	NS
No	17 ^B	32	9 ^B	26	8	42	NS
Newcastle Disease vaccination	(n=72)		(n=41)		(n=31)		
Yes	72 ^A	100	41 ^A	100	31 ^A	100	NS
No	0 ^B	0	0 ^B	0	0 ^B	0	NS
Fowl Pox vaccination	(n = 47)		(n = 30)		(n = 17)		
Yes	26	55	21 ^A	70	5 ^b	29	**
No	21	45	9 ^B	30	12 ^a	71	**
Infectious Bronchitis vaccination	(n = 45)		(n = 28)		(n = 17)		
Yes	22	49	14	50	8	47	NS
No	23	51	14	50	9	53	NS
Infect. Bursal Disease vaccination	(n = 40)		(n = 28)		(n = 12)		
Yes	15 ^B	38	14	50	1 ^B	8	*
No	25 ^A	62	14	50	11 ^A	92	*
Infectious Coriza vaccination	(n=30)		(n=17)		(n=13)		
Yes	5 ^B	17	3 ^B	18	2 ^B	15	NS
No	25 ^A	83	14 ^A	82	11 ^A	85	NS
Coccidiosis vaccination	(n = 43)		(n = 29)		(n = 14)		
Yes	16 ^b	37	14	48	2 ^B	14	**
No	27 ^a	63	15	52	12 ^A	86	NS
Coccidiosis treatment	(n = 82)		(n = 52)		(n = 30)		
Yes	44	54	27	52	17	57	NS
No	38	46	25	48	13	43	NS
Worms treatment	(n = 96)		(n = 61)		(n = 35)		
Yes	37 ^B	39	21 ^B	34	16	46	NS
No	59 ^A	61	40 ^A	66	19	54	NS
Ectoparasites treatment	(n = 58)		(n = 36)		(n = 22)		
Yes	38 ^A	66	26 ^A	72	12	55	NS
No	20 ^B	34	10 ^B	28	10	45	NS

¹ Chi square test for a single variable between the two breeder categories, i.e. within row comparisons; significance levels: ** $p < 0.01$; * $p < 0.05$; NS, non-significant ($p > 0.05$). ^{A-B} Observations with different superscripts within the column are significantly different (χ^2 -test $p < 0.01$). ^{a-b} Observations with different superscripts within the column are significantly different (χ^2 -test, $p < 0.05$).

Table S8. Farm location and presence of a cold storage room for dead animals: responses from all breeders and divided according to breeder.

Variable	All Breeders		Farmers		Fancy Breeders		χ^2 ¹
	n	%	n	%	n	%	
Near major roads	(n = 119)		(n = 75)		(n = 44)		
Yes	21 ^B	18	12 ^B	16	9 ^B	20	NS
No	98 ^A	82	63 ^A	84	35 ^A	78	NS
Near industrial areas	(n = 118)		(n=75)		(n=43)		
Yes	10 ^B	8	5 ^B	67	5 ^B	12	NS
No	108 ^A	92	70 ^A	93	38 ^A	88	NS
Cold storage room for dead birds	(n = 110)		(n = 74)		(n = 36)		
Yes	36 ^B	33	32	43	4 ^B	11	**
No	74 ^A	67	42	57	32 ^A	89	NS

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Table S9. Frequency of interventions against rodents: responses from all breeders and divided according to breeder category.

Variable	All Breeders		Farmers		Fancy Breeders		χ^2 ¹
	n	%	n	%	n	%	
Intervention frequency in feed store-room	(n = 33)		(n = 26)		(n = 7)		
At least every 15 days	6 ^{a,b}	18	4 ^b	15	2	29	NS
Every 15–30 days	4 ^b	12	3 ^b	12	1	14	NS
Every 30–60 days	14 ^a	43	12 ^a	46	2	29	NS
< than every 60 days	9 ^{a,b}	27	7 ^{a,b}	27	2	28	NS
Intervention frequency in the chicken shed	(n = 29)		(n = 21)		(n = 8)		
At least every 15 days	5	17	3 ^b	14	2	25	NS
Every 15–30 days	4	14	3 ^b	14	1	12	NS
Every 30–60 days	12	41	10 ^a	48	2	25	NS
< than every 60 days	8	28	5 ^{a,b}	24	3	38	NS

¹ Chi square test for a single variable between the two breeder categories, i.e. within row comparisons; significance levels: NS, non-significant ($p > 0.05$). ^{a-b} Observations with different superscripts within the column are significantly different (χ^2 -test, $p < 0.05$).