## A risk factor analysis of health traits in turkeys on Canadian farms

### Turkey farms Risk factor questionnaire

Please fill in the following questions to the best of your ability. Please print clearly when writing down your answers or tick the appropriate box as ⊠. Only provide one answer (i.e. tick one box) for each question, unless otherwise indicated. There are no right or wrong answers. If you would like to revise your answer, please draw a single horizontal line through the first answer and give your new answer as instructed. If at any point you need more space, you can use a blank sheet and clearly indicate to which question it relates. Thank you for participating!

#### **Page Symbols:**



If you see this symbol on the page, answer the questions about your entire farm.



If you see this symbol on the page, answer the questions about a <u>single flock</u> of birds that you choose. Once you have chosen a flock, all pages with this symbol will be answered for that specific flock. You will assess the health scores of these birds.

# 1. Background information

Please answer questions 1 – 14 about you or your entire farm. Questions 15 – 93 refer to one chosen flock on your farm.

Please fill in the current date (dd/mm/yy):					
1.	Please indicate your sex:				
	□ Female	□ Male	☐ My sex is not li	sted	☐ Prefer not to answer
2.	Please indicate your	gender:	ender:		
	□ Woman	□ Man	☐ My gender is n	ot listed	☐ Prefer not to answer
3.	Please indicate your	age:			
	□ 18-24	□ 25-34	□ 35-	44	
	□ 45-54	□ 55-64	□ 65	and abo	ve
	☐ Prefer not to answ	wer			
4.	Please indicate in wh	nich provinc	e/territory your farm	n is locat	red:
	☐ British Columbia	□ Quebe	eC	□ New	foundland and Labrador
	□ Alberta	☐ Yukon		☐ Prin	ce Edward Island
	☐ Saskatchewan	☐ Northw	vest Territories	☐ New	/ Brunswick
	☐ Manitoba	□ Nunav	ut	□ Nov	a Scotia
	☐ Ontario	□ I don't	know	☐ Prefer not to answer	
5.	Please indicate how	many year(	s) of experience yo	u have v	vorking with turkeys:
	☐ Less than 1 year		l 1-4 years	□ 5-10	) years
	☐ More than 10 year		l I don't know		er not to answer
6.	Have you completed	specific tur	key related training	course(	s) or seminar(s)?
	<ul> <li>☐ Yes – 1 course/seminar</li> <li>☐ Yes – 2 to 3 courses.</li> <li>☐ No</li> <li>☐ I don't know</li> <li>☐ Prefer not to answer</li> </ul>				<ul><li>– 2 to 3 courses/seminars</li><li>fer not to answer</li></ul>



7.	Have you or someone on your farm been certified to perform euthanasia by a veterinarian or other professional?			
	□ Yes □ I don't know	□ No □ Prefer not to	o answer	
8.	Please indicate how o	often a veterinari	ian visits your farm:	
	<ul> <li>□ Once per year</li> <li>□ More than once pe</li> <li>□ Only as needed</li> <li>□ I don't know</li> <li>□ Prefer not to answer</li> </ul>	•		
9.	Do you have an existi	ng relationship v	with your veterinarian	(VCPR)?
	□ Yes	□ No	☐ I don't know	☐ Prefer not to answer
10.	10. How many barns (a barn is defined as a building that houses one flock) are on your farm?			
	□ 1 □ 2 □ 3 □ I don't know		☐ More than 5 er not to answer	
11.	Do you have a single	age class or mu	ultiple age classes on y	our farm?
	☐ Single age farm	☐ Multi-age fa	arm □ I don't know	☐ Prefer not to answer
12.	Please give the total r	number of turkey	ys currently on your fa	rm:
13.	How many turkeys do	you typically ra	ise per year on your fa	arm?
14.	Please indicate the ty	pical type of turk	key production on you	r farm: Select all that apply
	☐ Broilers (6.2 kg an ☐ Light hens (up to 7 ☐ Heavy hens (7.5 to ☐ I don't know ☐ Prefer not to answ	7.5 kg) o 10.0 kg)	•	(10.0 kg and under) s (more than 10.0 kg) s

# 2. Bird Characteristics – Chosen Flock

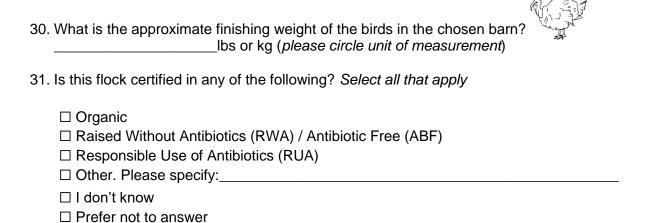


Please answer the following questions for <u>one barn</u>, which houses one flock of birds. If you have multiple barns on your farm, please choose one barn and answer the following questions about the same flock. This is also the barn where you will <u>assess the birds' health scores</u>.

15. Please indicate the sex of the birds in the chosen flock.				
☐ Hens ☐ I don't know	☐ Toms ☐ Mixe	ed		
16. What company/hatchery are t	he birds sourced from?			
<ul><li>☐ Cuddy</li><li>☐ Cooper Farms</li><li>☐ Maple Leaf</li><li>☐ La Coop Fédérée</li><li>☐ Lilydale</li></ul>	<ul><li>□ Other. Please specify:</li><li>□ I don't know</li><li>□ Prefer not to answer</li></ul>			
17. Please indicate the specific st	rain(s) of birds in the chosen	flock. Select all that apply		
<ul> <li>☐ Hybrid Converter</li> <li>☐ Aviagen B.U.T. 6</li> <li>☐ Aviagen Nicholas Select</li> <li>☐ Orlopp Bronze</li> <li>☐ MiniClassic</li> <li>☐ Artisan Gold</li> </ul>	<ul><li>□ Other. Please specify:</li><li>□ I don't know</li><li>□ Prefer not to answer</li></ul>			
18. Have these birds undergone a apply.	any physical alterations in the	hatchery? Select all that		
<ul><li>☐ Beak treatment</li><li>☐ Snood removal</li></ul>	☐ Toenail treatment☐ I don't know	<ul><li>□ Dew claw removal</li><li>□ Prefer not to answer</li></ul>		
19. If the chosen flock is beak trin trim? (i.e., trim too short, trim	too long, trim has rough/jagge			
<ul><li>☐ Yes. Please specify the pr</li><li>☐ No</li><li>☐ I don't know</li></ul>	oblem: □ Prefer not to answer	☐ Does not apply		
20. At what date were the birds p	aced in their current barn (dd	/mm/yy)?		

21. Where was the chosen flock brooded?

	□ In a b	e current barn prooding barn ( 't know er not to answe	(brood and m	•	• •			
22.	When the		d from the ha	atchery, d	id you notice	a large	e variation in bo	dy size at
	□ Yes		□ No	□Ide	on't know		☐ Prefer not to	answer
23.		ne birds were r wing? Select a			ing to the gro	ow-out	barn, did you no	otice any of
	☐ Birds ☐ Birds ☐ Birds ☐ Birds ☐ Birds ☐ Birds	s not apply s with varying less with leg injuries with leg defo s with blood vis s with feather of s with wing injurer. Please spec	ies (i.e. brokermities (i.e. c sible on their damage/nake uries (i.e. bro	cowboy le body ed spots ken wing	egs, hockey st	tick leg	, splay leg)	
		e of the above	•	□Ide	on't know		Prefer not to a	answer
24.	What is	the current ag	e of the birds	s in the b	arn (weeks)?			
25.	How ma	any birds were	placed in the	e barn in	total?			
26.	How ma	any birds are c	urrently in th	e barn?_				
27.	Please i	indicate the cu	ırrent stockin	g density	at which the	birds a	are housed*:	
		bird	ds/m²				kg/m²	
		lbs/	sqft				birds/sqft	
	**Pleas	se answer with	your preferr	ed unit of	measureme	nt		
28.	•	ou needed to pent of the chos		•	•	e. beak	trimming) after	the
	□ Yes.	Please specif	y which alter	ration(s) v	vas performe ) was perform	ed: ned:		
	□ No	☐ I don't kno	•		to answer			
29.	What is	the current ap			he birds in the circle unit of m			



# 3. Housing – Chosen Flock



32.	32. What is the square footage of the space that houses the chosen flock?sqft					
33.	33. Please indicate the housing system of the barn:					
	<ul> <li>□ Natural (open-sided housing with curtains) Please specify curtain colour:</li> <li>□ Power (controlled environment housing)</li> <li>□ Other. Please specify:</li> <li>□ I don't know</li> <li>□ Prefer not to answer</li> </ul>					
34.	Does the barn which h	nouses t	he chosen flock have	more than 1 storey?		
	□ Yes	□ No	☐ I don't knov	v ☐ Prefer not to answer	•	
35.	Please indicate the flo	oring m	aterial of the barn which	ch houses the chosen flock:		
	☐ Dirt ☐ Wood ☐ Concrete ☐ Other. Please specify: ☐ I don't know ☐ Prefer not to answer					
36.	Please indicate the nubarn:	ımber of	years since construct	tion or last major renovation of the		
			☐ 1-4 years ☐ I don't know	☐ 5-10 years ☐ Prefer not to answer		
37.	Do you provide enrich	ment as	a routine practice?			
	<ul> <li>☐ Yes</li> <li>☐ No. Only in response to aggressive or abnormal behaviour.</li> <li>☐ No. I never provide enrichment.</li> <li>☐ I don't know</li> <li>☐ Prefer not to answer</li> </ul>					
38.	Has enrichment been	provide	d to the chosen flock?			
	□ Yes	□ No	□ I don't knov	v ☐ Prefer not to answer	•	

39. If you provided enrichment to this flock, what kind of enrichment did you provide? Select all that apply

<ul><li>□ Does not apply</li><li>□ Bales of hay/straw on ground</li></ul>	<ul><li>☐ Hanging objects (e.g. aluminum pie plate, CDs)</li><li>☐ Objects on the ground (e.g. balls)</li></ul>
☐ Hay/straw hanging in nets	□ Perches
☐ Other. Please specify:	
☐ I don't know	
☐ Prefer not to answer	



40.	Please indicate	which type o	f lighting is prov	rided in the barn:	Select all that apply
	<ul><li>☐ Incandesce</li><li>☐ Natural ligh</li><li>☐ Other. Plea</li></ul>	t (i.e. windows	3)	☐ Fluorescent ☐ LED	
	☐ I don't know	1		☐ Prefer not to a	answer
41.	Please indicate	e what the ave	erage light inten	sity is (lux) at bird	height:
	☐ Less than 1☐ More than 3		☐ 10-20 lux ☐ I don't know		l 21-30 lux l Prefer not to answer
42.	Is light intensity	even through	nout the barn (i.	e. no darker areas	s or bright spots)?
	□ Even □ Uneven		mewhat even on't know		what uneven not to answer
43.	Do you provide	a dark period	for the chosen	flock at their curre	ent age?
	☐ Yes. Please	e specify the le	•	k period in hours: Prefer not to answe	
44.	Do you provide	an intermitter	nt light program	for the chosen flo	ock at their current age?
	☐ Yes. Please	e specify the n	•	periods in 24 hours Prefer not to answe	s: er
45.	Have you need in the chosen f		ight intensity to	correct abnormal	or aggressive behaviours
	□ Yes	□ No	□ I do	n't know	☐ Prefer not to answer



46. Please indicate what type of ventilate	tion system is used:
☐ Mechanical (fans)	☐ All natural
☐ Mixed (fans and natural)	☐ Other. Please specify:
☐ I don't know	☐ Prefer not to answer
47. If mechanical ventilation is used, ple	ease specify the method of mechanical ventilation:
☐ Cross flow ventilation	
☐ Tunnel flow ventilation	
□ Cross and tunnel flow hybrid	
☐ Other. Please specify:	
☐ I don't know	
☐ Prefer not to answer	
48. Which phrase best describes your v	rentilation system within the barn?
Fresh air inlets:	
☐ Side wall(s)	
☐ End wall(s)	
☐ Attic	
☐ Other. Please specify:	
☐ I don't know	
☐ Prefer not to answer	
Exhaust:	
☐ Side wall(s)	
☐ End wall(s)	
□ Chimney stacks	
☐ Other. Please specify:	
☐ I don't know	
☐ Prefer not to answer	
	e (in the case of mechanical ventilation) in the choser
barn?	_CFM (cubic feet per minute)
50. Please indicate the target temperate	ure in the barn for the birds at their current age*:
°F	
*Please answer with your preferred	unit of measurement
51. Please indicate the target relative he	umidity (%RH) in the barn:

52. Has the concentration of ammonia or dust ever been above 20-25 ppm, i.e. irritable to workers' eyes or airways, since placement of birds in the barn?				
□ Yes	□ No	☐ I don't know	☐ Prefer not to answer	

### Litter management

t	
	2,24

53. What type of litter is provided to the chosen flock? Select all that apply □ Sand ☐ Straw ☐ Wood shavings. Please specify what kind:\_\_\_\_\_ ☐ No litter provided ☐ Other. Please specify: ☐ I don't know ☐ Prefer not to answer 54. What approximate depth is the litter currently\*?\_\_\_\_\_inch \_\_\_\_cm \*Please answer with your preferred unit of measurement 55. Please indicate the current condition of the litter: ☐ Litter very dry and dusty ☐ Low moisture content, litter is loose in all the house ☐ Litter damp or tacky (litter and faecal material sticks to feet, but some dry areas) ☐ Majority of litter is wet, sticky, or greasy (bird's feathers likely to be soiled) ☐ Soggy, squelchy, or very wet (leaves a durable imprint when compressed) □ Other. Please specify: ☐ I don't know ☐ Prefer not to answer 56. How do you check litter condition of the chosen flock? Select all that apply ☐ Test with heel ☐ Do not check litter condition □ Feel litter with hand ☐ I don't know ☐ Smell the litter ☐ Prefer not to answer ☐ Visual assessment ☐ Other. Please specify:\_\_\_\_\_ 57. How do you maintain litter quality in the chosen flock? Select all that apply ☐ Wet and/or caked litter is removed regularly ☐ Dry litter is added over wet areas as needed. Please specify bedding type added (i.e., wood shavings, straw, etc.):\_\_\_\_\_ ☐ Sprinklers used to avoid dusting ☐ Heat is added in the case of wet litter to avoid caking ☐ Tilling the litter ☐ Move the waterers often to prevent wet areas (donuts) from forming ☐ Litter treatment products (e.g., PLT, algae, biomaterials). Please specify:\_\_\_\_\_ ☐ Other. Please specify: ☐ I don't know ☐ Prefer not to answer

58. If you a	dd more beddi apply	ng, what area of the	barn do y	ou typically add more litter to? Selec	it ,
☐ Arou ☐ Pref	ind perimeter er not to answ			☐ I don't know	_
59. Have pr	evious flocks	been raised on the lit	ter curren	ntly in the barn?	
	Please specif	-		for not to analyze	_
□ No		☐ I don't know	⊔ Prei	ter not to answer	
60. Do you	add any produ	ıcts to the feed or wa	iter to red	uce wetness of the litter?	
□ Yes.	Please specif	y:			
$\Box$ No		□ I don't know	□ Prefe	ar not to answer	



61.	Please indicate the	number of bire	ds per feed pan	in the barn	:
62.	Please indicate the	structure of th	e feed you curre	ently give th	ne birds:
	<ul> <li>☐ Mash</li> <li>☐ Crumbs</li> <li>☐ Pellets</li> <li>☐ Other. Please sp</li> <li>☐ I don't know</li> <li>☐ Prefer not to ans</li> </ul>				
63.	How many times ha farm?	ve you chang	ed the diet of the	e chosen fl	ock since placement on your
	<ul><li>□ No change</li><li>□ 5 – 6 times</li><li>□ I don't know</li></ul>	□ 7 – 8 tin	nes	□ 3 – 4 □ More	times than 8 times
64.	What is the source	of the feed?			
	<ul> <li>☐ Home-milled</li> <li>☐ Purchased from</li> <li>☐ Other. Please sp</li> <li>☐ I don't know</li> <li>☐ Prefer not to ans</li> </ul>	(ple pecify:	ease provide na	me of diet a	,
65.	Did/do you provide standard diet composition  ☐ Poultry grit (e.g. ☐ Insoluble fibre (e.g.) ☐ Vitamins/minera ☐ Other. Please sp	osition) to the sand) e.g. whole oats Is	chosen flock? S	elect all th	
	<ul><li>☐ No supplements</li><li>☐ I don't know</li><li>☐ Prefer not to ans</li></ul>				
66.	Do you have any ar	nimal by-produ	ıcts in your ratio	า?	
	□ Yes	□ No	□ I don't	know	☐ Prefer not to answer



67.	Please indicate the num	nber of birds p	per drinker/cup in the barn	
68.	Please specify the type	of drinkers in	the chosen barn:	
	<ul> <li>□ Closed watering syste</li> <li>□ Open watering syste</li> <li>□ Other. Please specif</li> <li>□ I don't know</li> <li>□ Prefer not to answer</li> </ul>	em (i.e. bell-ty	· · · · · · · · · · · · · · · · · · ·	
69.	What is the source of th	e water?		
		□ Tov iy:	face well (dugout) vn (municipal) water	
70.	Did/do add any water sa apply	anitizing prod	ucts to the water of the ch	osen flock? Select all that
	<ul> <li>☐ Chlorine</li> <li>☐ Chlorine dioxide</li> <li>☐ Ozone</li> <li>☐ Other. Please specif</li> <li>☐ I don't know</li> <li>☐ Prefer not to answer</li> </ul>	•	<ul><li>☐ Iodine</li><li>☐ Hydrogen peroxide</li><li>☐ None</li></ul>	
71.	<ul><li>□ None</li><li>□ Vitamins/minerals</li><li>□ Acid</li></ul>	iy:	o the water of the chosen f	
72.	Did you flush/clean/san	itize the wate	ring lines before the place	ment of the chosen flock?
	□ Yes [	□ No	☐ I don't know	☐ Prefer not to answer

73. What do you look for when checking the water quality of the chosen flock? Select all that apply
□ Rust
□ Cloudiness
□ Colour
□ Odour
☐ Laboratory checks (CFUs, chemical content)
☐ Do not check water quality
☐ Other. Please specify:
☐ I don't know
☐ Prefer not to answer
74. Please indicate the average daily water consumption of the chosen flock*:
litres/day gallons/day *Please answer with your preferred unit of measurment

### 4. Flock health – Chosen Flock



75. ł	How did you pre	epare th	ne barn before the birds arrive	d? Select all that apply.				
		ent eriod	ify:					
	<ul><li>☐ I don't know</li><li>☐ Prefer not to</li></ul>	answe	er					
76. \	Which of the foll	lowing	biosecurity practices do you a	pply? Select all that apply.				
	<ul> <li>□ Boots – washing/boot dips</li> <li>□ Vermin control (i.e. rodents, beetles, flies)</li> <li>□ Shower in/out of barn</li> <li>□ Inspect birds from youngest to oldest</li> <li>□ Down-time after contact with other farms/species</li> <li>□ I don't know</li> <li>□ Hand washing before entry</li> <li>□ Prefer not to answer</li> </ul>							
77. <i>F</i>	Are poultry spec	cies oth	ner than turkeys (e.g. chickens	e) present on the farm site?				
	□ Yes	□ No	☐ I don't know	☐ Prefer not to answer				
	Are any other and coultry present of			ats, horses and/or pigs) other than				
	□ Yes	□ No	☐ I don't know	☐ Prefer not to answer				
79. H	How many times	s per d	ay is the chosen flock inspect	ed at their current age?				
	<ul><li>□ Less than or</li><li>□ Three times</li><li>□ I don't know</li></ul>			☐ Twice ☐ More than four times				
80. I	80. In one day, how many different people inspect the chosen flock?							
	□ 1 □ 2 □ I don't know	□ 3	☐ 4 ☐ 5 ☐ More than 5 ☐ Prefer not to answe					
81. (	On average, ho	w long	does a single inspection of the	e chosen flock take?				
			☐ 15-30 min ☐ 30-45 min ☐ Prefer not to answer	☐ 45-60 min ☐ More than 60 min				



82. How do birds in the chosen flo	ock react to you when you first enter the barn?
☐ No reaction	☐ Curious/Crowd around/Follow
☐ Flighty/Run away	☐ Other. Please specify:
☐ I don't know	☐ Prefer not to answer
83. What do you look for during in	nspections? Select all that apply.
<ul> <li>□ Dead birds</li> <li>□ Sick birds</li> <li>□ Quality of droppings</li> <li>□ Leg deformities/feet proble</li> <li>□ Head or neck injuries</li> <li>□ Breast injuries</li> <li>□ Back or tail injuries</li> <li>□ Wing injuries</li> <li>□ Feather damage/naked sp</li> <li>□ Varying body size</li> <li>□ Behaviour of the birds</li> <li>□ Vocalization of the birds</li> <li>□ Pile-up/smothering</li> <li>□ Distribution of birds in the</li> <li>□ Other. Please specify:</li> <li>□ I don't know</li> <li>□ Prefer not to answer</li> </ul>	☐ Litter conditions (e.g., wet litter, litter depth) ☐ Ventilation ☐ Temperature ☐ Lighting Foots ☐ Condensation ☐ Ammonia levels ☐ Feed and water consumption
84. How often do you pick up an i	individual bird during an inspection of the chosen flock?
<ul><li>☐ Never</li><li>☐ Most of the time</li><li>☐ I don't know</li></ul>	<ul><li>☐ Sometimes</li><li>☐ About half of the time</li><li>☐ Always</li><li>☐ Prefer not to answer</li></ul>
	at the hatchery or on farm to the chosen flock? If yes, please ease vaccinated against below.
□ Yes □ No	☐ I don't know ☐ Prefer not to answer

86. Were any me please comp			the chosen floc	k (i.e. m	edicated feed)? If yes,
□ Yes	□ No	[	□ I don't know		Prefer not to answer
Medication Name		Route (i.e. feed, wate	r, injection, spray etc	Purp (i.e. p	oose promote gut health)
87. Do you sepa pens)?	rate injured/s	sick birds fron	n the flock to trea	at (i.e. h	ospital or recuperation
□ Yes		No	☐ I don't know		Prefer not to answer
88. Were any of	the following	problems ob	served in the ch	osen flo	ck? Select all that apply
□ E. coli		(avian pneur	,	Coccidi Salmor	nella
□ Reo virus □ Haemorrh	nagic enteriti	S			c enteritis , lice, mites
□ Blackhea	-	-		Erysipe	
☐ Staphylod	coccus			Fowl ch	
☐ Cellulitis				Bordete	ellosis
☐ Mycoplas	·ma ease specify:		Ц	None	
☐ I don't kn				Prefer i	not to answer
89. Have you no	ticed any bire	ds with poor v	vision, blindness,	or cata	racts in the chosen flock?
□ Yes		No [	☐ I don't know		☐ Prefer not to answer



90.	What is the total number of birds in this flock that have been culled since placement from the hatchery?
	☐ I don't record culls and mortality separately (skip to number 89) birds% cumulative culls
91.	What is the total number of birds in this flock that have died since placement from the hatchery?
	birds % cumulative mortality
92.	Please select the 3 main reasons for culling birds in this flock:
	<ul> <li>□ Pecking injuries</li> <li>□ Immobile/sickly</li> <li>□ Small body size (poor growth)</li> <li>□ Leg injuries (lameness, broken legs)</li> <li>□ Leg deformities (i.e., cowboy leg, hockey stick leg, splay leg, etc.)</li> <li>□ Pendulous crop</li> <li>□ Breast buttons or blisters</li> <li>□ Wing injuries</li> <li>□ Other. Please specify:</li> <li>□ I don't know</li> <li>□ Prefer not to answer</li> </ul>
93.	Please select the 3 main causes of mortality in this flock:  ☐ Dehydration – birds too small to reach drinker  ☐ Smothering (i.e. pile-up or crowding of birds)  ☐ Cannibalism (i.e. death due to excessive pecking by other birds)  ☐ Disease/Illness. Please specify:
	<ul> <li>☐ Mechanical failure (i.e. heating/ventilation malfunction)</li> <li>☐ Unknown cause of mortality</li> <li>☐ Other. Please specify:</li> </ul>

☐ I don't know

☐ Prefer not to answer

### 5. Final comments



94. Please select the 3 most common causes of carcass condemnation or downgrading

Please answer the remaining questions for your entire farm.

Respiratory conditions Sub-cutaneous conditions (Sub-cut conditions) Leg injuries (i.e. broken legs, footpad dermatitis) Leg deformities (i.e. cowboy leg, hockey stick leg, splay leg) Skin conditions (i.e. breast buttons or blisters) Fluid in abdomen Liver conditions Emaciation (birds too thin) Dark-coloured carcasses Ruptured tendons Other. Please specify: I don't know Prefer not to answer								
95. Please rate how	95. Please rate how much of an issue the following items are on your farm in the summer:							
	No issue at all	A small issue	A big issue	I don't know	Prefer not to answer			
Mortality								
Aggressive pecking								
Disease								
Leg injuries*								
Leg deformities**								
Breast injuries								
Varying body size								
Other. Please specify:								

<sup>\*</sup>including lameness and foot pad dermatitis

<sup>\*\*</sup>including cowboy leg, hockey stick leg, splay leg etc.



#### 96. Please rate how much of an issue the following items are on your farm in the winter:

Same as #95 □	No issue at all	A small issue	A big issue	I don't know	Prefer not to answer
Mortality					
Aggressive pecking					
Disease					
Leg injuries*					
Leg deformities**					
Breast injuries					
Varying body size					
Other. Please specify:					

<sup>\*</sup>including lameness and foot pad dermatitis
\*\*including cowboy leg, hockey stick leg, splay leg etc.



### 97. Please rate how much of an issue the following items are for the turkey production sector:

Same as #95 □	No issue at all	A small issue	A big issue	I don't know	Prefer not to answer			
Mortality								
Aggressive pecking								
Disease								
Leg injuries*								
Leg deformities**								
Breast injuries								
Varying body size								
Other. Please specify:								
	eness, broken le	y stick leg, sp	olay leg etc.					
□ Yes	ו	□ No		☐ I don't know	V			
Final comments – Ple or the research projec		าy feedback y	ou wish to give	regarding the o	questionnaire			
or the research project								



You have reached the end of the questionnaire. Please return the filled in <u>questionnaire</u> and turkey health scoring <u>recording sheet</u> back to the research team using the enclosed envelope. Thank you for your participation!

We appreciate your commitment to this research and look forward to working with you to continually improve the turkey production industry!