

# Animal welfare in hatchery

## Conference of the Hungarian Turkey Association

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# Veranda for turkeys



# Platforms for turkeys





# Private farming of turkeys popular



## Einstellungsübersicht Putenküken in Europa in Mio. Stück

	2015	2016	2017	2018	2019	2020	2021	2022e	in %	22 zu 21	22 zu 19
Polen	41,3	42,9	46,2	47,6	51,2	46,0	42,4	41,0	22,8%	-3,36%	-19,85%
Deutschland	30,7	30,6	29,0	28,1	28,3	27,2	26,2	25,0	13,9%	-4,58%	-11,66%
Frankreich	49,0	47,0	45,0	43,0	40,0	39,0	27,1	25,0	16,7%	-17,13%	-25,00%
Italien	30,0	30,0	30,0	30,0	30,0	29,0	27,1	25,0	12,8%	-15,13%	-23,33%
Spanien	21,0	22,0	24,0	28,0	30,0	27,0	27,0	29,0	16,1%	7,41%	-3,33%
UK	16,0	15,6	14,5	15,4	15,2	14,4	15,2	15,0	8,3%	-1,06%	-1,25%
Ungarn	8,0	8,0	8,0	7,5	7,5	7,0	7,7	6,0	3,3%	-22,08%	-20,00%
Österreich	1,8	1,8	1,9	1,8	1,6	1,8	2,0	2,1	1,2%	3,02%	29,98%
Slowenien	0,7	0,6	0,6	0,6	0,6	0,6	0,5	0,5	0,3%	-4,41%	-11,84%
Andere	10,0	10,0	10,0	10,0	10,0	10,0	9,0	8,5	4,7%	-5,56%	-15,00%
<b>Gesamt</b>	<b>208,4</b>	<b>208,5</b>	<b>209,3</b>	<b>211,9</b>	<b>214,3</b>	<b>201,9</b>	<b>193,3</b>	<b>180,1</b>	<b>100,0%</b>	<b>-6,85%</b>	<b>-15,97%</b>

### Russland & USA

Russland	16,0	20,0	23,0	24,0	24,0	29,0	35,0	40,0		14,29%	66,67%
US	257,9	271,5	269,7	266,1	261,2	250,6	254,0	250,0		-1,57%	-4,29%

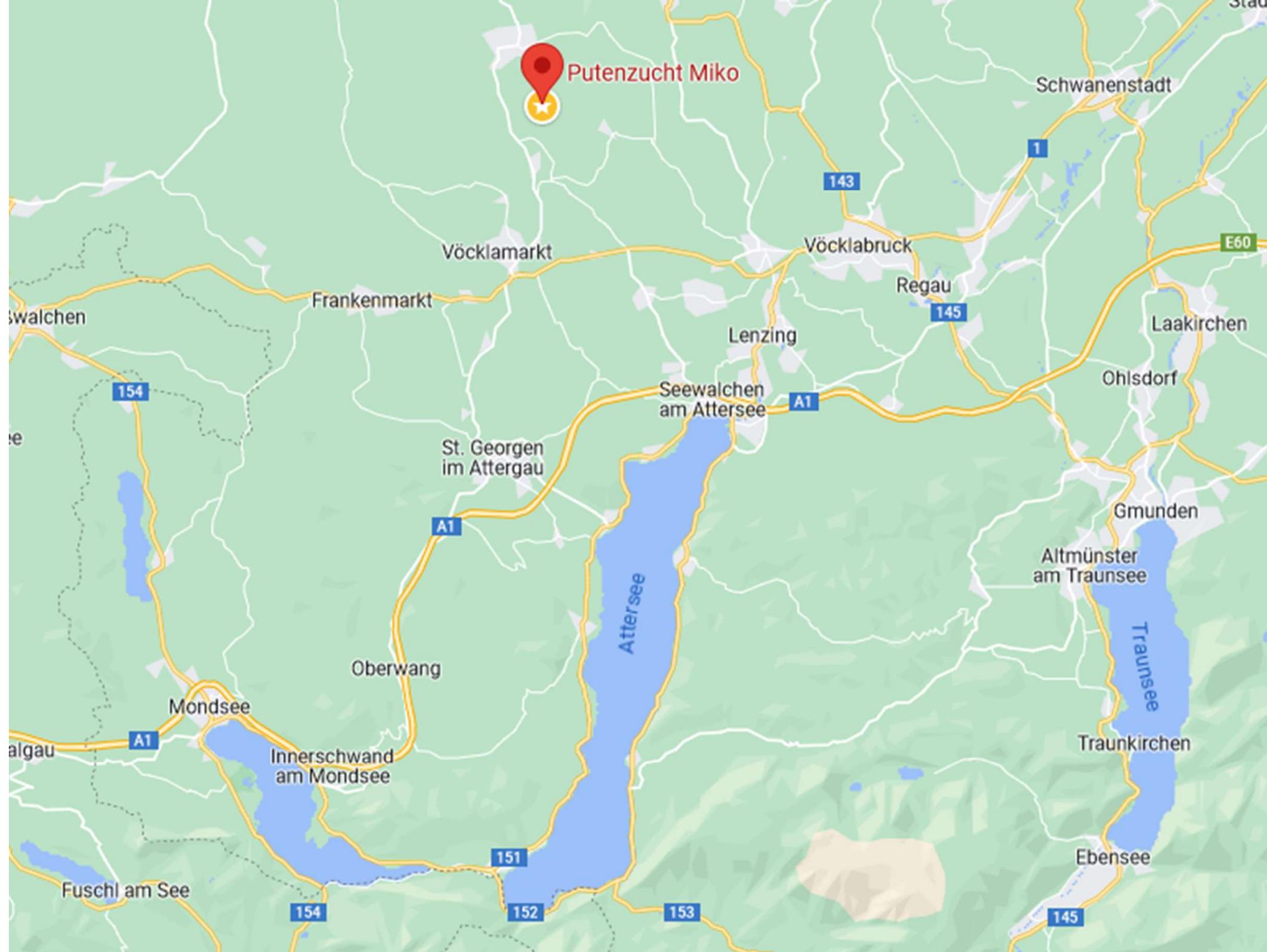
# Comparison of stocking density

Länder	Grenze in kg	Seit	Praxis in kg
<b>Standardproduktion</b>			
Schweiz	36,5		36,5
Österreich	40	2001	40
Deutschland	58 / 52	1998	58 / 52
Italien	keine		60
Polen	keine		50 - 65
Russland	keine		70
Frankreich	keine		75
<b>Tierwohlprogramme</b>			
Niederlande - Better Leven **	35	ca. 2015	35
Niederlande - Better Leven *	36 / 40	ca. 2015	36 / 40
Österreich - Tierwohl verbessert	38,5	2018	38,5
Deutschland ITW	53 / 48		53 / 48



# Only turkey hatchery in Austria





# Alone – far away from poultry



# Hatchery modernisation



# High biosecurity standard



# 2022 – Hatchery modernisation

Focus on

- Biosecurity
- Workflow improvements
- Optimum poult quality



# Incubators



# Transfer to hatching part



# Poults at hatch



# Vital poultts hatching



# Cloaka sexing





# Storing room



# Fully climated trucks



# Transports up to 60 hours possible



# Welfare aspects in a hatchery

- Welfare aspects before set or transfer
- Welfare at embryo level
- Welfare at after hatch level
- Welfare at transport

# Welfare before set or transfer

- Design of the hatchery
- Keeping out any contamination
- Training of staff



# Welfare aspects at embryo level

- In full interest of the hatchery to provide best conditions for embryos.



- Not in focus of animal welfare people like in layer production.
- Big topic when culling whole batches close to hatch time.

# Welfare aspects at embryo level

## Embryonic Development of the Turkey



### Hatch Window



# Welfare aspects at transport

Important time in the production chain.

Poults and drivers „released“ to „wild“ environment.

Standard procedure under control (T, H, CO2)

Lot`s what potentially can go wrong.

- breakdown of truck, accident, traffic jams, driver`s health problem, unawareness, weather, problems at checkpoints (borders, police), crime at parking places. Flights...

Drivers alone, team can help only from remote

# Welfare aspects after hatch

- From pull of poult until truck departs
- Climate in hatchery (T, H, O<sub>2</sub>, CO<sub>2</sub>)
- Handling of poult
- Awareness of staff
- Euthanasia of nonviable poult
- Mutilations (biggest focus of NGOs)

# Climate in hatchery

- Every poult is a little „heater“. Therefore challenging to climate rooms
- Air flow between boxes or trays



# Constant temperature control

- Most important is the  
**BODY TEMPERATURE**
- Optimum: 39,5 – 40,5 °C
- Higher or lower:  
Heat stress – poult starts to pile, results in a lack of oxygen



# Handling of poult

- Big differences between single persons visible.
- Some persons unsuitable to work in a hatchery

# Awareness of staff

- Everybody in the team should have the same responsibility when it comes to welfare questions

# Euthanasia of nonviable poult

- CO<sub>2</sub> stunning and killing by changing concentration of CO<sub>2</sub>
- Fast rotating knives: quickest for poult, not nice for watching
- Some areas: ban of killing healthy poult

Why would you kill healthy poult?

# Potential mutilations in hatchery

- Beak treatment
- Toe trimming
- De-snooding
- De-spurring

# Long-term method „BioBeaker“



# PSP – Poultry Service Processor

- Blood free method to trim upper beak
- Different settings possible
- Upper beak should not be longer than lower beak

# Difference of intensity visible



3 Days

14 Days

42 Days

32



28



25



No BT



Without beak treatment or not strong enough



# Upper and lower part at one level



„As little as possible,  
as much as necessary“



# Middle intensity



# Middle intensity



# What we don't want to see



# Aggressive birds should not create pains for others



# Excessive treatment without any advantage



# Excessive treatment without any advantage



# Toe Treatment

## Toe Treatment – Microwave Claw Processor



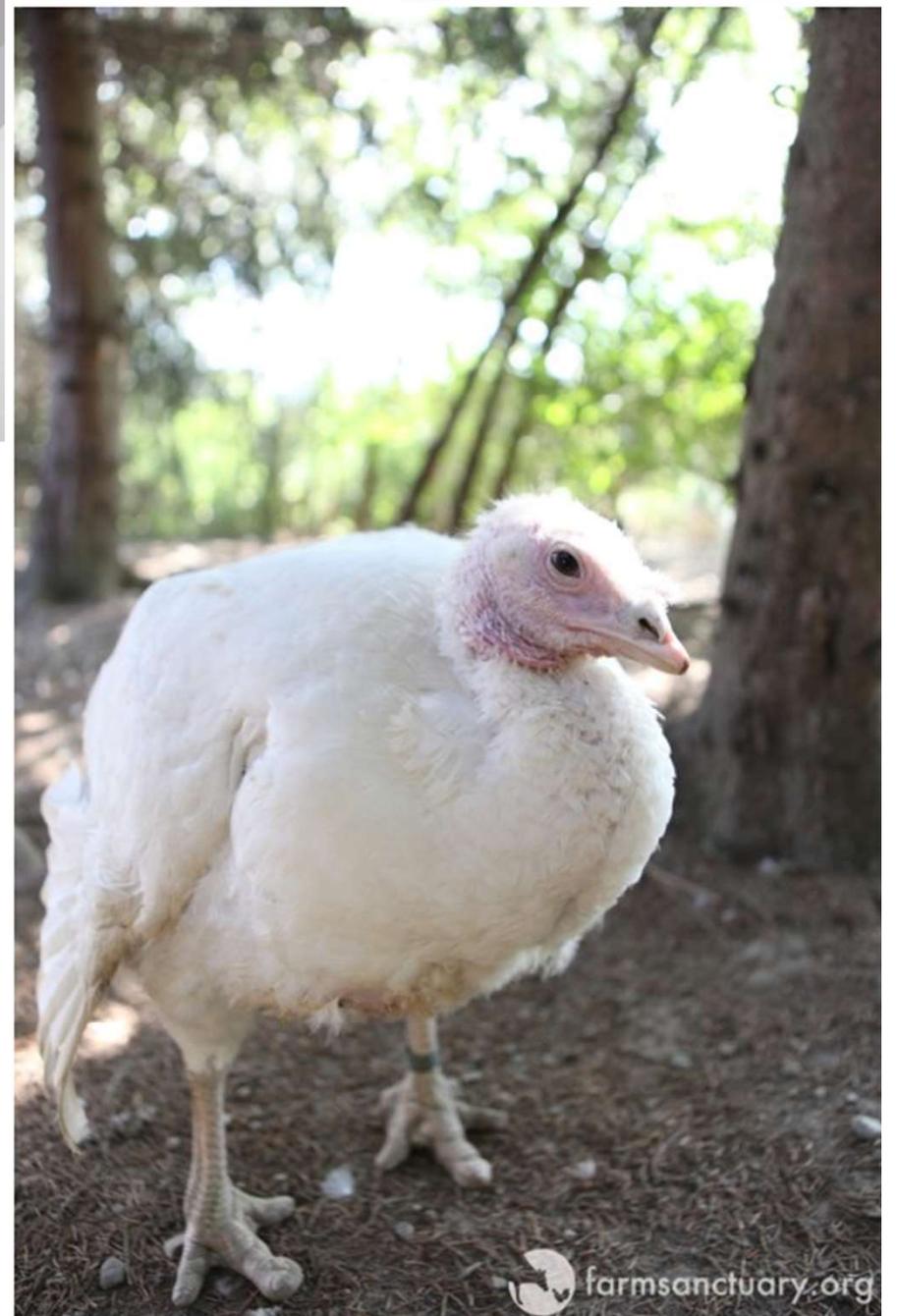
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- Detoeing



 farmsanctuary.org



# Mutilations in focus of NGOs

- Distinguish between Beak trimming (beak treatment) and other mutilations
- **Beak trimming** (in the view of welfare NGOs):  
„Painful amputation of the beak performed to prevent injurious pecking (IP). Alternative ways to prevent IP should be sought (e.g. UV lighting, additional enrichment, visual barriers)“
- **Other Mutilations** (in the view of welfare NGOs):  
„Painful procedures that can be easily avoided and therefore should be prohibited. Toe-trimming, De-snooding, De-spurring.“

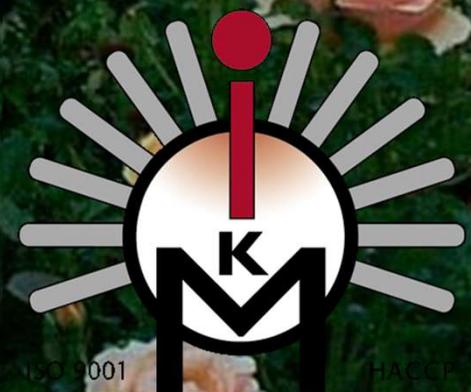
# Summary

- Lot of welfare issues in hatchery which are not in light of NGOs but are still important.
- Mutilations by far the most in focus
- Beak treatment: „Yes / No“ questions should be „opened“ to the question „as much as necessary, as little as possible“
- Toe trimming, De-snooding, De-spurring: industry should find a position.

Danke für Ihre  
Aufmerksamkeit!!

PUTENZUCHT MIKO

BÜRO PARKEN



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Putenzucht MIKO