



ANIMAL WELFARE REPORT

2023





CONTENTS

- 03 - Introduction
- 04 - Welfare is a Condition
- 06 - Welfare Outcome Measures 2022
- 15 - Welfare Case Study: Flox Project
- 16 - Future Outlook



INTRODUCTION

Chris Kirke, President, Moy Park

Welcome to the third edition of Moy Park's Animal Welfare Report, a reflection of our enduring dedication to the wellbeing of our birds and our ongoing commitment to transparency, sustainability and innovation. This year's report comes as we celebrate the company's 80th anniversary and we are proud to continue to build upon our strong agricultural heritage and focus on animal welfare.

This report reflects our pride in openly tracking, monitoring, measuring and reporting on our animal welfare metrics. Transparency is not just a principle for us; it is a cornerstone of our approach. Our ability to deliver a robust welfare strategy that yields tangible results is underpinned by strong governance and management practices. From comprehensive training programmes for our team members to the establishment of our Animal Welfare Forum and Welfare Hub, we have embedded welfare as a fundamental condition of our business.

Moy Park is driven by the mission to create better, more sustainable food for everyone. This unwavering commitment is what fuels our relentless pursuit of higher welfare standards for chicken. What we offer today must sustain tomorrow and as an organisation we are dedicated to farming safely and sustainably. Collaboration will be central to our success and we extend our gratitude to our team members, farming suppliers, customers, industry bodies and academic partners who join us on this crucial journey.



In this edition, you will find a comprehensive overview of our progress and initiatives, reflecting our continuous pursuit of excellence in animal welfare. We invite you to explore our journey, milestones, and accomplishments, as together, we strive to create a brighter, more sustainable future for all.

WELFARE IS A CONDITION

Within Moy Park, we consider Animal Welfare not just as a condition but as a fundamental element of our agriculture strategy. We prioritise the health and welfare of our chickens as a central pillar of our business, alongside people and food safety. This approach takes animal welfare beyond the five freedoms, giving our birds the best possible conditions and care.

HOT WEATHER PREPAREDNESS

As we all know, summers are becoming increasingly hotter, making it crucial to enhance our preparations and manage ventilation effectively to safeguard the welfare of our birds. Heat stress poses a significant challenge when caring for chickens, and while we possess the technology and equipment to protect our birds, it is imperative that this equipment remains in good working condition and our personnel are well-versed in handling

extreme conditions. Therefore, prior to each summer season, we meticulously review our systems and plans.

In the past year we have invested over £2 million in High-Pressure Cooling Systems (misting systems), which were installed in 123 broiler sheds across our company-owned farms, providing a substantial temperature reduction of 5°C during hot days. We have also strengthened our ventilation training with team members, recognising its critical role in mitigating the effects of soaring temperatures. Furthermore, we have established a funding mechanism for farming partners and conducted risk assessments on our breeder estate, using the results to determine appropriate mitigation measures, such as evaporative cooling (misting) or the installation of additional fan and inlet capacity. Our commitment to animal welfare remains unwavering ensuring that the wellbeing of our chickens remains at the heart of our operations.

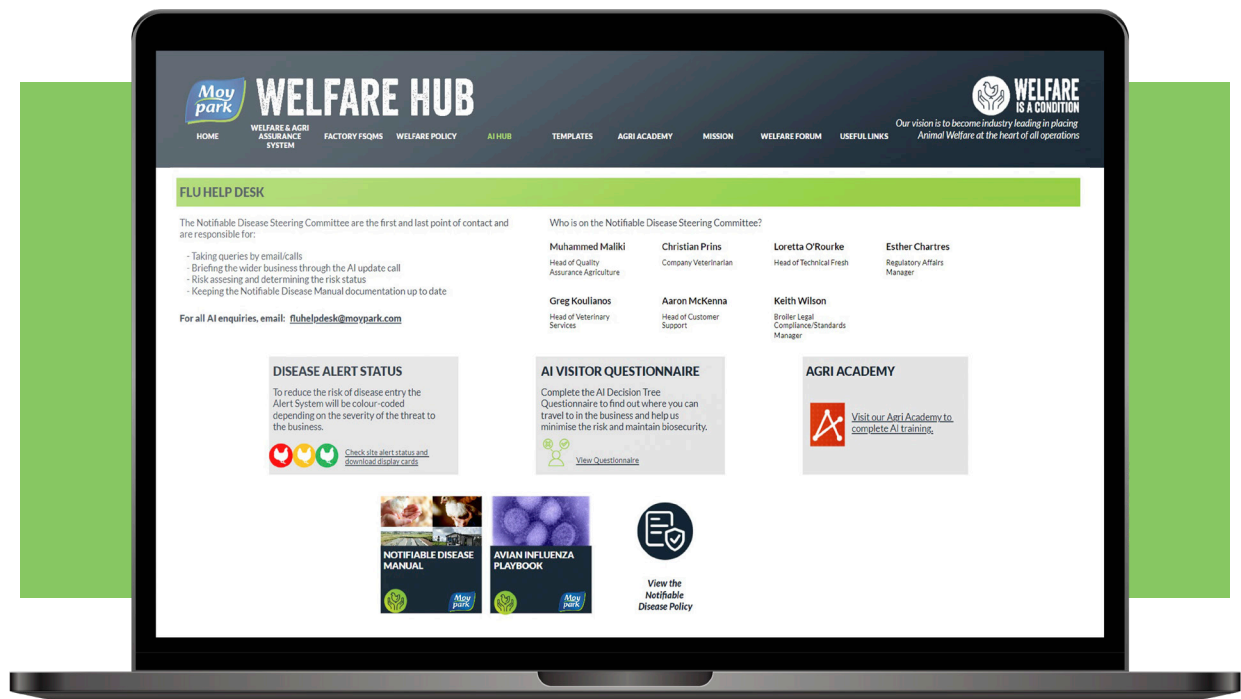


AI HUB

We remain committed to raising awareness of our ongoing efforts within the wider business. To facilitate this, we launched the 'Welfare Hub,' a central resource designed to keep our colleagues informed about Moy Park's latest animal welfare developments and innovations, along with pertinent industry updates.

This year also saw us create the 'AI Hub', a comprehensive source of information on Avian Influenza (AI). The AI Hub offers valuable resources for team members, including real-time company disease alert status and insights into biosecurity measures aimed at mitigating the risk of AI outbreaks.

Through the AI Hub, Moy Park is equipping its employees with the necessary tools to make informed travel decisions within the organisation. The AI Decision Tree Questionnaire is an interactive tool designed to assist individuals in determining their travel options within the company, based on the current risk of AI outbreaks. We remain committed to both animal welfare and the wellbeing of our employees, and the introduction of the AI Hub is a testament to that commitment.



WELFARE OUTCOME MEASURES 2022

In our ongoing commitment to ensuring the highest standards of animal welfare, we recognise the pivotal role that welfare outcome measures play in our mission. These measures serve as vital compass points, guiding our journey towards improved animal wellbeing, sustainability and transparency.

The welfare outcome measures enable us to not only monitor our performance but to also benchmark our efforts against industry standards and our own past achievements. Driven by the ethos of transparency, we continue to build upon the foundation laid in previous years.

This year's report will provide insights into various aspects, including:

- **ENRICHMENT**
- **RESPONSIBLE ANTIBIOTIC USE**
- **STOCKING DENSITY**
- **HEALTH MARK INDICATORS**
- **MORTALITY**
- **TRANSPORT TIMES**
- **PRODUCTION SYSTEMS BREAKDOWN**

We meticulously present all metrics on a per flock basis, ensuring a comprehensive understanding of the welfare conditions for broiler flocks grown in 2022.

Additionally, where applicable, we offer historical data to provide a valuable trend context. As we embark on this journey of enhanced transparency and commitment to animal welfare, we invite you to explore the following sections to gain a deeper understanding of our continuous efforts and progress in this critical area.



ENRICHMENT

Environmental enrichment for chickens is a critical component of poultry welfare. It involves providing birds with opportunities to engage in natural behaviours and activities that promote their physical and psychological wellbeing. This can include access to natural light, perches for roosting, pecking objects and play bales for exploration and mental stimulation.

Moy Park has never and will never rear broiler chickens in cages. Instead, we champion barn rearing with access to natural light, a pioneering approach that dates back to the early 2000s. Moreover, we lead the way in other facets of enrichment, including perching and bale provision, alongside substantial investments in our farming estate.

ENRICHMENT SUMMARY

YEAR	ACCESS TO NATURAL LIGHT	ACCESS TO PERCHES	ACCESS TO PECKING OBJECTS	BARN REARED / CAGE FREE
2020	100%	100%	100%	100%
2021	100%	100%	100%	100%
2022	100%	100%	100%	100%



RESPONSIBLE ANTIBIOTIC USE

Responsible antibiotic use is paramount to Moy Park's commitment to poultry animal welfare. We believe in a collaborative approach, working closely with our dedicated farmers and engaging with external stakeholders to uphold the highest standards in antibiotic management. A core principle guiding our practices is to not administer antibiotics as a routine preventative measure. Instead, our focus centres on cultivating healthy bird populations through rigorous hygiene protocols and good husbandry practices. Our dedication to this cause has yielded impressive results, with a significant reduction in antibiotic usage, which was already at another industry-leading low in 2021. This achievement stands as a testament to our unwavering commitment to best-in-class animal welfare practices throughout our supply chain. In 2022, our antibiotic usage further decreased to 2.4mg/kg, demonstrating our continuous dedication to responsible antibiotic stewardship and the well being of our birds.

In the past year, our continued focus on good husbandry and animal care practices has enabled us to maintain a remarkable track record. We are proud to report that, once again, over 90% of the flocks we raise have not required any form of medication. This impressive achievement

reflects our ongoing dedication to minimising the need for treatments, particularly within the crucial first seven days of the birds' lives. Our continued investments and enhancements in our hatchery operations, coupled with our collaborative efforts with our valued farmers in early life management, have been pivotal in sustaining this reduction. This reaffirms our commitment to fostering a healthy and resilient flock through proactive, responsible practices.

MEDICATION USE

YEAR	MG/KG
2014	17.2
2015	10.5
2016	3.6
2017	3.4
2018	2.4
2019	3.3
2020	2.8
2021	2.5
2022	2.4



FLOCKS TREATED

CATEGORY	% FLOCKS TREATMENT NOT REQUIRED	% FLOCKS TREATED PRE DAY 7	% FLOCKS TREATED POST DAY 7
2020	89.8	6.9	3.3
2021	93.7	2.1	4.2
2022	92.5	3.7	3.8



Moy Park does not use antibiotic classes listed by the World Health Organization (WHO) as 'Highest Priority Critically Important Antimicrobials,' which encompass:

- Quinolones
- Cephalosporins (3th, 4th and 5th generation)
- Macrolides and ketolides
- Glycopeptides
- Polymyxins (Colistin)

STOCKING DENSITY

The provision of adequate space remains a fundamental aspect of our practices. At Moy Park, we adhere to a maximum planned stocking density of 38kg/m², significantly below the EU's maximum stocking density standards of 42kg/m². This critical requirement is regularly audited by organisations such as Red Tractor and our customers to ensure strict compliance.

In 2022, we saw an 8% increase in the number of flocks grown at below 30kg/m² and looking ahead to next year's report, we are excited to announce a significant increase in the percentage of birds reared at a maximum of 30kg/m² planned stocking density. This aligns with industry and NGO-recognised 'higher welfare' specifications, reflecting our dedication to providing chickens with the space they need for improved well being. This expansion in the number of higher welfare birds is a collaborative effort, in partnership with our customers, to further elevate the standards of poultry animal welfare across our supply chain.



YEAR	% OF FLOCKS		
	30KG OR LESS	30KG TO 34KG	34KG AND ABOVE
2021	28.03	14.35	57.62
2022	30.40	18.73	50.86

HEALTH MARK INDICATORS

Pododermatitis and hockmark are monitored throughout the flock cycle on the farm and measured in the factory during processing. Elevated levels of these indicators can arise from a range of factors, including health challenges on the farm, adverse litter conditions or ventilation issues.

For ongoing enhancement, we maintain our dedication to the 'Precision Management' programme. This initiative focuses on key factors like optimising ventilation systems and maintaining appropriate water pressures within our facilities. By consistently revisiting these fundamental principles in collaboration with our dedicated farmers, we have achieved important progress.

Specifically, we have seen a further 8% reduction in pododermatitis, while hockmark levels have remained consistently low, staying below 10%. These outcomes underscore our continuous efforts to enhance the overall health and welfare of our birds.

YEAR	PODODERMATITIS %	HOCKMARK %
2019	43	14
2020	36	11
2021	26	9
2022	24	9



MORTALITY

Mortality refers to animals that have died during the growing cycle or have been humanely culled for reasons such as injury or disease. Mortality records, including cause, are updated daily on all farms by the stock keeper. Three key mortality figures are tracked: '7-day mortality', 'leg culls' and overall 'total mortality'.

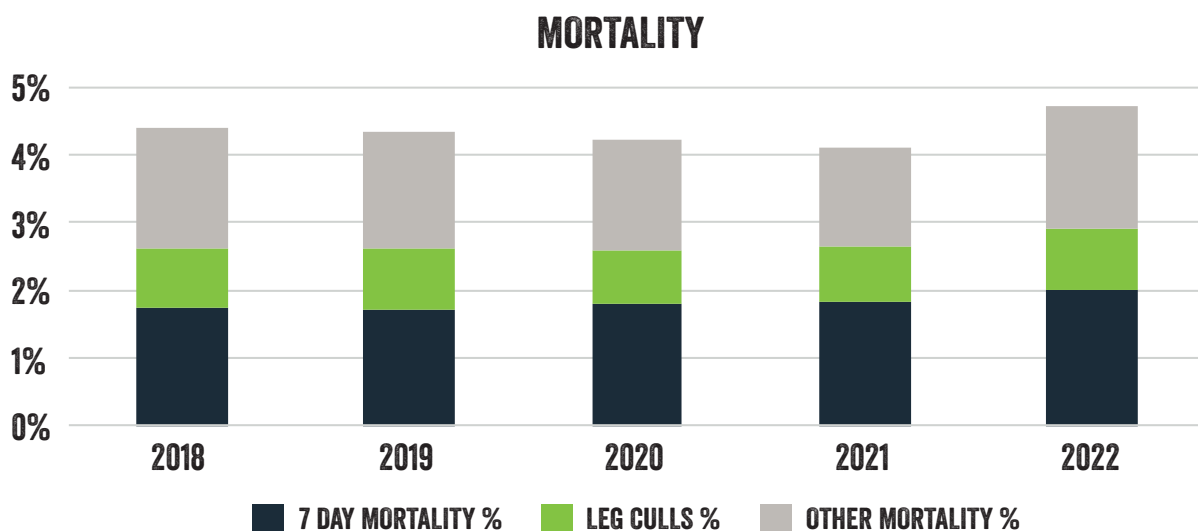
Mortality figures are used to track and monitor flock health, field health challenges and bird management on farm. 7-day mortality gives an indication of parent flock status and early life challenges. Leg culls are reflective of leg health and walking ability and there is a strict Moy Park policy, in line with industry best practice, for stock keepers to humanely remove chickens with gait issues (Bristol Gait Score 3 or above) to ensure good welfare is maintained. All Moy Park team members working on farms and all our contracted partner farmers have been appropriately trained on methods of humane culling.

We saw a slight increase in our overall mortality levels last year. This is largely being driven by overall increased field health challenges and some mortality losses during extreme periods of heat. Field health challenges encompass

a range of factors, such as disease, environmental stressors, and other conditions that can affect the well being of our flocks.

To confront these issues head-on, we have implemented a multifaceted approach. Our first line of defence is adjusting and tailoring our health plan to mitigate against the additional disease pressure. This involves enhancing our vaccination protocols as needed, utilising alternative strategies to tackle disease as appropriate, and enhance regular check-ups and health assessments of our flocks, enabling early detection of potential issues. We have also invested in cutting-edge technologies and research to develop strategies that mitigate the impact of extreme weather events, such as periods of intense heat, on our flocks.

Education and training are essential components of our strategy, empowering our team members with the knowledge and tools to address health challenges effectively. We continue to collaborate with industry, government bodies, veterinarians and academic partners to stay at the forefront of emerging health threats and develop innovative solutions and we are committed to reducing bird mortality and ensuring the continued well being of our flocks.



TRANSPORT TIMES

Moy Park prioritises minimising long-distance transportation of our birds, with most of our farms conveniently located within a 30-mile radius of our fresh primary sites. In 2022, our efforts resulted in an average journey time of just 2 hours and 3 minutes, showcasing a reduction compared to the previous year.

More than 45% of our chickens are caught and delivered to factory within 2 hours, a standard we consider best-in-class and a goal we strive for wherever the farm geography allows. Over 98% of our birds, spanning both our own brand and customer brand categories across all geographical locations, are delivered within 4 hours of catch.

Moy Park always adheres to all legislative requirements and industry standards governing the transportation of our live birds, ensuring their welfare throughout the journey.

YEAR	% OF CHICKENS		
	LESS THAN 2 HOURS	BETWEEN 2-4 HOURS	GREATER THAN 4 HOURS
2021	47.00	52.50	0.50
2022	47.39	51.49	1.12



PRODUCTION SYSTEMS

This section of our report highlights the percentage of chickens raised in accordance with various industry standards, this is largely influenced by our customer mix and consumer demand for specific categories. It is important to emphasise that Moy Park has never and will never rear broiler chickens in cages.

Our dedication to delivering improved poultry welfare continues through close collaboration with our customers to ensure we align with their specific requirements and sourcing standards. As previously mentioned, 2023 will mark a significant increase in the percentage of birds reared under higher welfare specifications, a positive development that will be reflected in our next animal welfare report. This expansion underscores our commitment to advancing poultry welfare across our operations.

YEAR	% OF BIRDS GROWN TO BETTER CHICKEN COMMITMENT (BCC), FREE RANGE OR ORGANIC STANDARDS	% OF BIRDS GROWN TO INDOOR HIGHER WELFARE STANDARDS	% OF BIRDS GROWN TO RED TRACTOR INDOOR STANDARDS
2021	3%	13%	84%
2022	3%	14%	83%



WELFARE CASE STUDY:

FLOX PROJECT: A PARTNERSHIP TO IMPROVE CHICKEN WELFARE

Sainsbury's has partnered with Moy Park and FLOX, a technology company providing remote farm management tools, to measure the impact of reduced stocking density on bird welfare. The project is being conducted in partnership with Bristol University, with the objective of improving welfare, visibility, and consumer trust in the poultry industry.

FLOX uses artificial intelligence (AI) to provide actionable insights to broiler farms and management teams. This technology gives a real-time visibility of flocks, providing full-shed videos that are constantly updated and analysed using algorithms to detect issues such as clustering, mortality and bird activity, sending the farmer real-time alerts for corrective action.

The project outputs aim to validate the impact of reducing stocking density to 30kg/sqm to showcase more positive, natural bird behaviour. The impact of environmental enrichments, such as perches and play bales, on bird welfare will also be tested, providing evidence for informed choices.

The partnership between Sainsbury's, Moy Park, FLOX, and Bristol University is a significant step towards improving the welfare of chickens in the poultry industry and increasing consumer trust. By using AI-powered tools and data analysis, the project aims to provide a better understanding of the factors that impact bird welfare and to identify opportunities for improvement. The results of this project will provide valuable insights for the poultry industry and set a new standard for animal welfare in the food sector.

This is a forward-thinking initiative that showcases the potential of technology to improve the welfare of chickens and increase transparency in the poultry industry.

The project reflects Sainsbury's and Moy Park's commitment to high animal welfare standards and by bringing together the resources and expertise of these organisations, the FLOX project is poised to make a positive impact on how we care for our chickens.



FUTURE OUTLOOK: JUSTIN COLEMAN

As we reflect on the year and the valuable insights shared in this report, it becomes clear that our dedication to animal welfare remains at the core of our operations. The journey of enhancing transparency, sustainability, and innovation is a continuous one, and our commitment to these principles continues to evolve.

We are proud to report significant improvements in several key performance indicators (KPIs), reflecting our ongoing efforts to elevate the welfare of our birds. Through a combination of strategic initiatives, we have seen good progress in critical areas, such as responsible antibiotic use and reduction in the health mark indicators.

In line with our commitment to innovation, we are excited to have started the FLOX Project, a groundbreaking partnership that utilises technology to improve chicken welfare. This partnership, a significant step forward in the poultry industry, reflects our shared commitment to high animal welfare standards and the potential of technology to enhance transparency.

Looking ahead, we are resolute in driving forward a future marked by excellence in animal welfare, combining efficiency and sustainability. This progressive approach aligns with industry and customer demands for elevated standards and transparency in poultry animal welfare.

We are also excited to be producing birds under the Better Chicken Commitment standards, in alignment



with the requirements of some of our key customers. Our future remains focused on creating better, more sustainable food for all while upholding the highest standards of animal welfare.

Together, we can shape a new standard for excellence in animal welfare.

