

CASE STUDY: OREGO-STIM LIQUID REDUCES IMPACT OF HEAT STRESS IN BROILERS

CUSTOMER SUMMARY

- ✓ A large commercial unit rearing approximately 80,500 Ross 708 broilers across four houses situated in the United States, with a target weight of 9.5lb per bird at 60-62 days of age.
- ✓ The unit has issues with a high incidence of birds dead on arrival (DOA) when arriving at the processing plant, particularly during periods high humidity and ambient temperatures, leading to heat stress.
- ✓ Transport time to the processing plant is between 30 minutes to 2 hours and once at the plant, the birds remain on the trailers in front of large fans until processing.
- ✓ Flock mortality ranges from 4-6% and the unit does not thin the birds.

PRODUCT BACKGROUND

- ✓ Orego-Stim Liquid (OSL) is a high quality, phytogetic eubiotic, containing 100% natural oregano essential oil.
- ✓ Developed to help manage intestinal health in livestock and support optimum gut integrity, it is designed for inclusion in drinking water systems, offering unparalleled suspension to ensure even distribution.

OREGO-STIM LIQUID APPLICATION AND PARAMETERS ASSESSED

- ✓ Of the 4 houses on the unit, one was treated with OSL (House 2) whilst the other 3 (Houses 1, 3 and 4) had no OSL.
- ✓ OSL was dosed via the drinking water at a continuous rate of 300ml per 1000L of water for the final 5 days prior to birds being sent for processing.
- ✓ The temperature ranged from 88-103°F and the humidity was high, ranging from 57-87%.
- ✓ The number of birds DOA were counted at the processing plant before slaughter.

RESULTS

House Number	Treatment	DOA's	Total Head	% DOA's
1,3,4	None	203	60,288	0.34
2	OSL: 300ml/1000L water for last 5 days	30	20,181	0.15

CONCLUSION

- ✓ Orego-Stim Liquid helped reduce the number of birds dead on arrival at the processing plant during periods of heat stress by 56%.

Disclaimer: No performance guarantee is offered. All cost benefits and observations noted in this document were provided by the customer.

