

# TECHNICAL SERVICE



# BULLETIN



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## DAWE ACE® AND STRESEEZ PLUS® START BIRDS RIGHT

The first few days can be the most stressful in the lives of poultry. Hatchlings are exposed to dehydration, delayed feed and water, excessive heat or cold, bacterial and viral challenges, drafts and vaccinations. It is especially important to supply nutrients to fight stress and get chicks and poults off to a good start.

A recent feeding trial demonstrates again that our water-dispersible powders, **STRESEEZ PLUS** and **DAWE ACE**, enable chicks to start off right. **STRESEEZ PLUS** is a multi-vitamin, mineral and electrolyte supplement, and **DAWE ACE** is a source of vitamins C, E and beta carotene (for previous evidence of their effectiveness, see Technical Service Bulletins #300 and #303).

### EXPERIMENTAL DESIGN

At our climate-controlled research facility, 225 day-old broiler chicks recently were randomly divided into replicates of 15, weighed, and placed in floor pens allowing 0.86 square feet per bird. Five replicates of 15 birds were assigned each to the control, **DAWE ACE**, and **STRESEEZ PLUS** groups. A standard 22% protein starter and water were provided free choice. The chicks received plain tap water (control) or water containing either **DAWE ACE** or **STRESEEZ PLUS** at the recommended rate for 5 days.

Chicks were weighed in groups at one day of age and again at two weeks. Feed consumption was measured at two weeks. Mortality was recorded daily.

### RESULTS

| TREATMENT     | FEED CONSUMPTION (GM) | TWO-WEEK GAIN (GM) | FEED/GAIN | MORTALITY |
|---------------|-----------------------|--------------------|-----------|-----------|
| Control       | 659.98                | 368.36             | 1.794     | 5         |
| DAWE ACE      | 620.22                | 382.84             | 1.620     | 3         |
| STRESEEZ PLUS | 606.44                | 371.38             | 1.633     | 4         |

### CONCLUSIONS

Both supplements increased performance in gain and in feed conversion compared with the controls. Feed conversion, in particular, was substantially improved, and was significant at  $P < .06$ .

We recommend producers choose between the two products depending on the stresses most common in their operations: Nutrition (**STRESEEZ PLUS**), or temperature/disease-related (**DAWE ACE**).

As the hot summer rapidly approaches, now is the time to have close at hand our water-dispersible powders (also including **DAWELYTE**, **STRESEEZ TWO**, **DAWE-ADE** and **KOAGULONE-A**), and our water-dispersible liquids (**AQUA-DEE** and **LIQUI-E**). Our technical service nutritionists look forward to consulting with you on our entire line of animal health products. Please call them at 800-323-4317.

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