

TECHNICAL SERVICE



BULLETIN



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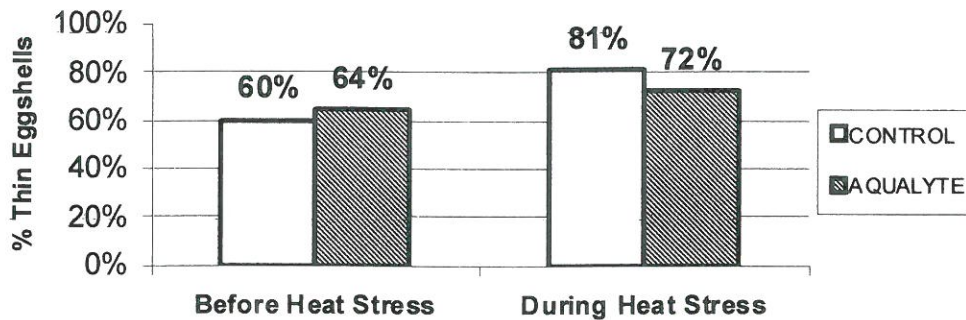
No. 300-E

AQUALYTE AND DAWE ACE MAINTAIN EGGSHELL STRENGTH DURING HOT SUMMER WEATHER

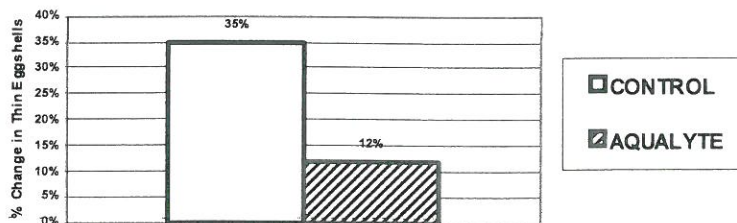
Are heat and humidity putting your layers and eggs in a free fall? Dawe's water-dispersible products can help spread a safety net!

In a recent test, Hy-Line W-36's were subjected to the stresses of hot summer days. These hens were more than 60 weeks old, and housed eight per cage in Choretime units, with nipple waterers. Daytime temperatures were held at 100°F for 9.5 hours; evening temperatures were lowered to 80°. The birds were subjected to these high temperatures for seven straight days, and then allowed to recover for the next seven days at a constant 80°. Then they were subjected to another seven-day period of heat stress.

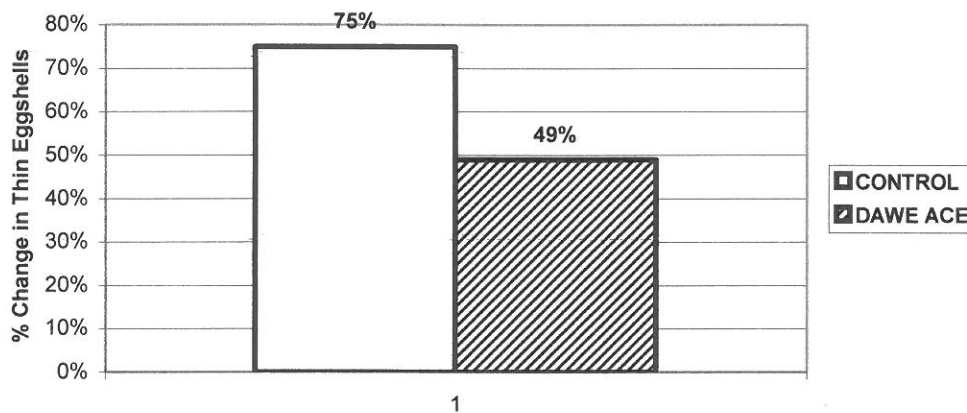
Under such extreme heat stress, you would expect thinner eggshells. This indeed occurred during the first period of stress, but hens treated with **AQUALYTE** outperformed the Control:



While there was a 12% increase in thin eggshells for **AQUALYTE**-birds, the untreated hens suffered a much larger 35% increase:



Results were similar when the hens were re-subjected to heat stress. Now thin eggshells increased 75% for control birds, versus a 49% increase for birds treated with **DAWE ACE**:



Each product was effective in combating the dangers of heat stress. **AQUALYTE** is a proprietary blend of balanced electrolytes and trace minerals. It is well-known for stimulating water consumption and replenishing crucial electrolytes. This in turn reduces panting, and the resulting acidosis that compromises eggshell density.

DAWE ACE works through a different mode of action. It provides fat-soluble antioxidant vitamins that benefit cell membranes, as well as a water-soluble antioxidant vitamin that works inside the cell itself. By preserving cell integrity, **DAWE ACE** helps reduce the damaging effects of many stresses, including hot weather.

Each product is effective during heat spells. Which you choose depends on your particular blend of production challenges. Our Technical Service staff can determine with you the product that will best see your birds through the summer heat.