

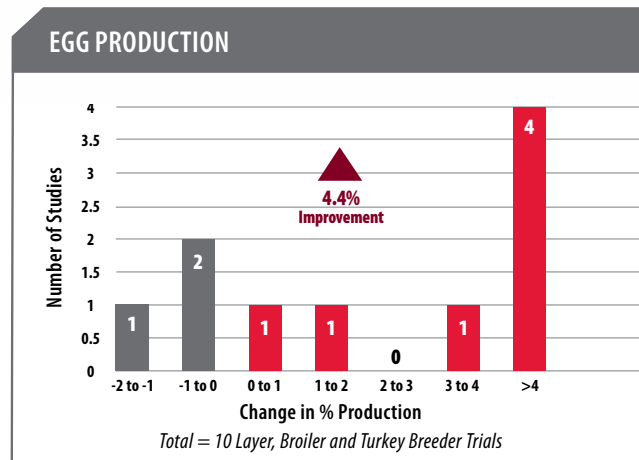


Optimizing Breeder Performance



EGG PRODUCTION

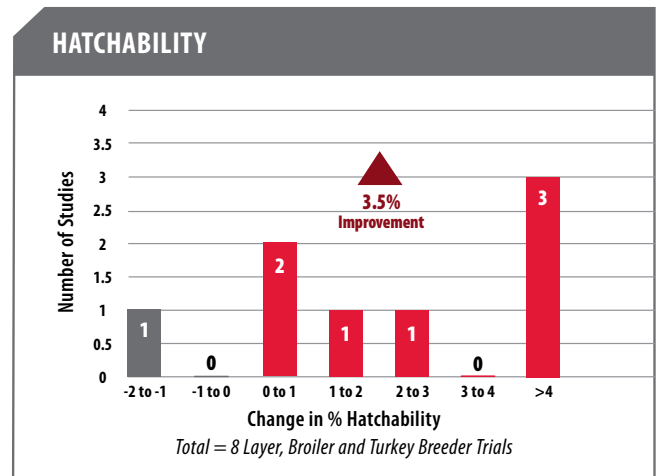
Research¹ has shown Original XPC™ optimizes the total number of eggs produced throughout the production phase of Broiler, Turkey and Layer Breeders. Results demonstrate 7 out of 10 Breeder trials (70%) showed an improvement in egg production with an overall improvement of 4.4%.



Additional Layer trials demonstrated 18 out of 20 trials (90%) showed an improvement in egg production

HATCHABILITY

Research¹ has shown Original XPC supports the improved hatchability of Broiler, Turkey and Layer Breeder eggs from hens when fed Original XPC. Results demonstrate 7 out of 8 Breeder trials (88%) showed an improvement in hatchability with an overall improvement of 3.5%.



Enhanced Egg Production
+ Improved Hatchability

More Chicks/Breeder Hen

¹For a list of trials, please contact your Diamond V sales representative.

ENGINEERED TO DELIVER RESULTS!

RECOMMENDED INCLUSION RATE PER TON

Breeder Feeds 1.5 lb/ton (0.75 kg/MT)



PRODUCT BENEFITS:

All-natural and science-based, Original XPC provides the critical nutritional support to improve gut integrity and efficiency in breeder hens.

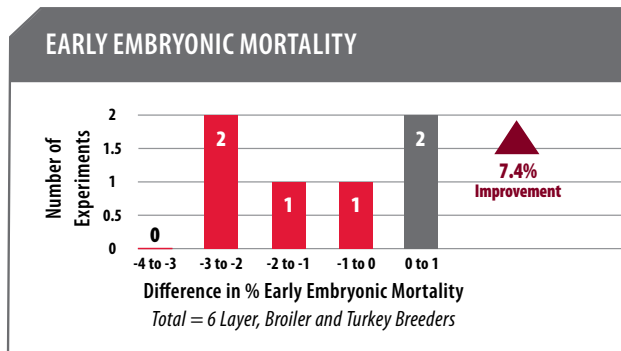
Research has shown it supports:

- Growth and feed efficiency
- Bird health & livability
- Natural production systems



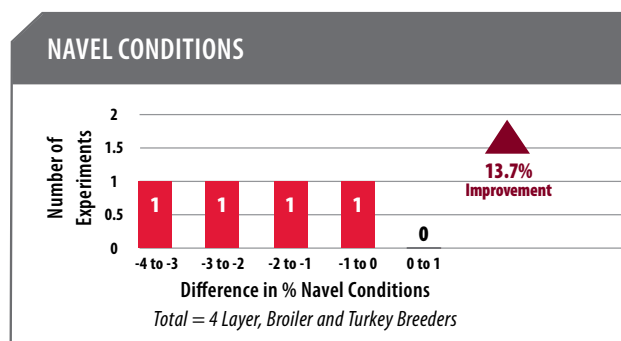
EARLY EMBRYONIC MORTALITY

Research¹ has shown a decrease in the incidence of early embryonic mortality when breeder hens are fed Original XPC. Early embryonic mortality is a measurement of reproductive efficiency for breeder hens. An increase in early embryonic mortality results in a decrease in the number of chicks hatched. Results demonstrate that 4 out of 6 trials (66.7%) show a decrease in early embryonic mortality with an overall improvement of 7.4%.



NAVEL CONDITIONS

Research¹ has shown a decrease in the incidence of navel conditions in chicks/poults when Breeder hens are fed Original XPC. Navel conditions have been shown to decrease body weight gain and increase mortality to market age. Results demonstrate that 4 out of 4 trials (100%) show a decrease in chicks with navel conditions with an overall improvement of 13.7%.



ECONOMICS EXAMPLE WORKSHEET

Diamond V research suggests the potential to produce more chicks/poults per breeder hen when Original XPC is utilized in the diet, thereby increasing the value of each breeder. The numbers used in the examples below are based on the supplemental *Breeder Production Reference Chart*.

Using the average improvements from Breeder Trials, assume:

- Production at 80% improves to 82% (Trial average = 4.4%)
- Hatchability at 85% improves to 87% (Trial average = 3.5%)
- 100 lbsfeed per hen for 40 weeks

The potential economic benefit and return on investment (ROI) from these improvements can be calculated as shown below.

Economic Benefit Per Hen

$$4.99 - 4.76 = 0.23$$

Potential Chicks/ Poulets per Week	Current Chicks/ Poulets per Week	# Additional Chicks/ Poulets per Week
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$$0.23 \times 40 \times \$0.25 = \$2.30$$

# Additional Chicks/ Poulets per Week	# Weeks	Value/Chick	Potential Economic Benefit Using Original XPC
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ROI Calculation Per Hen

$$\$2.30 \div \$0.11 = 21:1$$

Additional Chick/ Poulet Income	Cost of Original XPC for 40 Weeks	ROI
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No representation of profitability is hereby made. The figures shown here are only estimates and projections. Neither Diamond V, nor its employees, agents, or assigns make any warranty of any kind, including warranty of merchantability of results, relative to the information contained herein. Actual results will be affected by the ability of animals to perform, health of animals, management, environment, etc.

If you would like more information on Diamond V products, contact your local Diamond V representative.

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