

## Field trial Ovostrong/Cal D Phos Farms Avivel-Peru

**Design:**

3 batteries in the same farm. All conditions, feed and management were identical

**Cañete farms**

Commercial layers

**Age:** 65 weeks

For 11 days an evaluation period has been registered and all data collected prior to start of the trial.

**Batteries to be tested:****Competitor product Group Lot 15A**

Number of animals: 15.049

Competitor group - LOT 15 A							
Evaluation days	Egg production		Broken Eggs				TOTAL Broken Eggs (%)
	Farm total (N°)	Classified (N°)	Warehouse (N°)	Warehouse (%)	Classified (N°)	Classified (%)	
09/01-20/01							
<b>TOTAL</b>	<b>164.775</b>	<b>163.045</b>	<b>310</b>	<b>0,19</b>	<b>2877</b>	<b>1,76</b>	<b>1,93</b>

**Ovostrong Group 15RA**

Number of animals: 16.479

OVOSTRONG - LOT 15 RA							
Evaluation days	Egg production		Broken Eggs				TOTAL Broken eggs (%)
	Farm total (N°)	Classified (N°)	(N°)	Warehouse (%)	Classified (N°)	Classified (%)	
09/01-20/01							
<b>TOTAL</b>	<b>181.271</b>	<b>161.110</b>	<b>505</b>	<b>0,31</b>	<b>1580</b>	<b>0,98</b>	<b>1,15</b>

**Cal D Phos Group Lot 15RB**

Number of animals: 13.799

EXPERIMENTO Ca D PHOS - LOT 15 RB							
Evaluation days	Egg production		Broken Eggs				TOTAL Broken Eggs (%)
	Farm total (N°)	Classified (N°)	Broken eggs (%)	Warehouse (%)	Classified (N°)	Classified (%)	
09/01-20/01							
<b>TOTAL</b>	<b>149.746</b>	<b>133.265</b>	<b>456</b>	<b>0,34</b>	<b>1.195</b>	<b>0,90</b>	<b>1,10</b>

**Start Of the trial:**

Data collection prior to trial: 09/01/2014 – 20/01/2014

**Start of Administration of products to be tested:**

21/01/2014

**End of data collection/end of trial**

17/03/2014

Responsible persons for data collection and evaluation:

Pablo Aslla, Virginia Quiroz, Víctor Hugo Davila Mires

**Results:**

**Competitor group  
LOT 15 A**

weeks	Egg production		Broken Eggs				TOTAL Broken Eggs (%)
	Farm total (N°)	Classified (N°)	Warehouse (N°)	Warehouse (%)	Classified (N°)	Classified (%)	
<b>Week 66</b>	94.595	88.995	155	0,17	1.751	1,97	<b>2,01</b>
<b>Week 67</b>	92.630	79.844	170	0,21	1.176	1,47	<b>1,45</b>
<b>Week 68</b>	95.010	75.510	180	0,24	1.098	1,45	<b>1,35</b>
<b>Week 69</b>	92.395	74.640	175	0,23	986	1,32	<b>1,26</b>
<b>Week 70</b>	92.335	77.550	145	0,19	1.366	1,76	<b>1,64</b>
<b>Week 71</b>	92.090	77.730	140	0,18	1.192	1,53	<b>1,45</b>
<b>Week 72</b>	91.695	77.521	135	0,17	1.445	1,86	<b>1,72</b>
<b>Week 73</b>	90.010	73.230	130	0,18	1.138	1,55	<b>1,41</b>

**Ovostrong group  
LOT 15RA**

weeks	Egg production		Broken Eggs				TOTAL Broken Eggs (%)
	Farm total (N°)	Classified (N°)	Warehouse (N°)	Warehouse (%)	Classified (N°)	Classified (%)	
<b>Week 66</b>	105.043	87.200	297	0,34	1.153	1,32	<b>1,38</b>
<b>Week 67</b>	104.310	82.796	255	0,31	747	0,90	<b>0,96</b>
<b>Week 68</b>	103.963	79.528	297	0,37	711	0,89	<b>0,97</b>
<b>Week 69</b>	103.618	75.949	313	0,41	745	0,98	<b>1,02</b>
<b>Week 70</b>	101.353	72.434	247	0,34	1.070	1,48	<b>1,30</b>
<b>Week 71</b>	100.835	78.735	230	0,29	887	1,13	<b>1,11</b>
<b>Week 72</b>	100.181	78.291	198	0,25	1.171	1,50	<b>1,37</b>
<b>Week 73</b>	99.813	79.235	267	0,34	914	1,15	<b>1,18</b>

**Cal D Phos group  
LOT 15 RB**

weeks	Egg production		Broken Eggs				TOTAL Broken Eggs (%)
	Farm total (N°)	Classified (N°)	Warehouse (N°)	Warehouse (%)	Classified (N°)	Classified (%)	
<b>Week 66</b>	86.710	70.811	264	0,37	979	1,38	<b>1,43</b>
<b>Week 67</b>	86.245	66.118	265	0,40	634	0,96	<b>1,04</b>
<b>Week 68</b>	85.973	66.607	231	0,35	699	1,05	<b>1,08</b>
<b>Week 69</b>	83.804	63.387	257	0,41	719	1,13	<b>1,16</b>
<b>Week 70</b>	83.522	62.733	242	0,39	1.037	1,65	<b>1,53</b>
<b>Week 71</b>	83.653	63.155	263	0,42	1.043	1,65	<b>1,56</b>
<b>Week 72</b>	82.818	62.300	258	0,41	1.225	1,97	<b>1,79</b>
<b>Week 73</b>	81.630	61.580	250	0,41	735	1,19	<b>1,21</b>

**Summary total breakage**

Competitor group 15A		Ovostrong Group 15RA		Cal D Phos Group 15RB	
Broken eggs		Broken eggs		Broken eggs	
Number	(%)	Number	(%)	Number	(%)
(%)		(%)		(%)	
1.577,0	1,94	1.348,0	1,50	1.241,0	1,67
1.599,0	1,73	1.275,0	1,22	1.106,0	1,28
1.087,0	1,15	1.092,0	1,05	967,0	1,12
1.257,0	1,36	1.052,0	1,02	948,0	1,13
1.594,0	1,73	1.198,0	1,18	1.302,0	1,56
1.328,0	1,44	1.190,0	1,18	1.236,0	1,48
1.631,0	1,78	1.435,0	1,43	1.449,0	1,75
1.091,0	1,21	1.140,0	1,14	945,0	1,16
<b>11.164,0</b>	<b>1,53</b>	<b>9.730,0</b>	<b>1,21</b>	<b>9.194,0</b>	<b>1,39</b>

**Summary total mortality**

Competitor group 15A		Ovostrong Group 15RA		Cal D Phos Group 15RB	
Mortality		Mortality		Mortality	
Others	Prolapsus	Others	Prolapsus	Others	Prolapsus
(%)	(%)	(%)	(%)	(%)	(%)
0,159	0,093	0,152	0,109	0,101	0,058
0,167	0,107	0,158	0,103	0,109	0,029
0,147	0,114	0,122	0,079	0,124	0,051
0,154	0,134	0,122	0,092	0,124	0,066
0,195	0,161	0,116	0,074	0,117	0,029
0,182	0,135	0,117	0,098	0,132	0,095
0,176	0,128	0,123	0,092	0,088	0,051
0,135	0,176	0,068	0,117	0,015	0,095
<b>1,302</b>	<b>1,037</b>	<b>0,971</b>	<b>0,759</b>	<b>0,804</b>	<b>0,471</b>

**Summary total egg production and AA class big eggs**

Competitor group 15A		Ovostrong Group 15RA		Cal D Phos Group 15RB	
Production		Production		Production	
Eggs (%)	Class AA (%)	Eggs (%)	Class AA (%)	Eggs (%)	Class AA (%)
90,32	5,41	91,35	5,47	89,97	5,4
88,28	11,55	91,03	11,81	89,59	11,6
90,77	17,86	90,88	18,12	89,62	17,9
88,97	24,02	90,68	24,41	87,55	24,0
88,92	30,15	89,04	30,57	87,14	30,0
89,02	36,28	88,82	36,71	87,45	36,1
88,88	42,37	88,07	42,78	86,92	42,1
87,92	48,38	88,31	48,85	85,73	48,0
<b>89,13</b>	<b>48,38</b>	<b>89,77</b>	<b>48,85</b>	<b>88,00</b>	<b>48,0</b>

Treatment	Mortality			Feed consumption	Egg production %	Broken eggs %	Class AA eggs	FCR	Uniformity %
	Total %	Prolapse %	others %						
L 15 A Competitor	2,34	1,04	1,30	113,84	89,13	1,53	48,38	1,99	72
L 15 RA OVOSTRONG	<b>1,73</b>	<b>0,76</b>	<b>0,97</b>	<b>114,65</b>	<b>89,77</b>	<b>1,21</b>	<b>48,85</b>	<b>1,99</b>	<b>75</b>
L 15 RB Cal D Phos	<b>1,28</b>	<b>0,47</b>	0,80	113,87	88,00	<b>1,39</b>	48,02	2,02	70

**Conclusions:**

- Ovostrong group 15RA was the group with higher egg production
- Ovostrong group 15RA was the group with less broken eggs
- Ovostrong group 15RA was the group with higher classified „class AA“ eggs
- Cal D Phos group 15RA was the group with less mortality especially due to less prolapses.
- Ovostrong group 15RA was the group with best flock uniformity

The administration with Ovostrong resulted in better laying performance, lesser broken eggs and higher number of class AA eggs.