



Practical results from feeding BioAktiv – G to mothers of broilers

- Farm:** The farm at Limburg (NL) keeps a total of 16,400 mothers of broilers (pullet chickens) in four identical houses equipped with drag chains and circulating drinkers.
Feeding of cockerel chickens is from separate pans.
- Product:** BioAktiv G (200 g/tonne) was added to the feed in two of the four houses (1+2) which accommodated the test group, control groups were kept in houses 3 + 4. BioAktiv was admixed to the feed from calendar week 22 onwards.
- Application:** BioAktiv G (200 g/tonne) was added to mixed feed.
- Race:** Ross 308
Date of placement: Feb. 23, 2012
Number: 16,400 in four identical houses accommodating 4,100 mothers each
Trials completed Dec. 7, 2012
- Results:** No. of eggs: 183
No. of hatching eggs: 172
- Remarks:** Effects of BioAktiv as observed by poultry manager:
- Hens are quieter
 - Hens copulate more easily
 - Hens keep their plumage for longer periods
 - Hens appear more lively
 - it was very warm in production week 45

Effect of BioAktiv G on insemination/result:

During the first few weeks hatching eggs were not separated. Between calendar weeks 32 and 61 they were separated for incubation as far as possible leading to a total of 90 % separation for hatching eggs to show the differences between houses 1 + 2 and houses 3 + 4. In sum, the comparison involved about 2.5m hatching eggs. The reverse page lists the quantities supplied by Broederij Van Hulst. The effect of BioAktiv G on hatching eggs was **4 % better results and 3.9 % more chickens.**

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Results for two houses using BioAktiv G (200 g/tonne) / 8200							Results for two reference houses / 8200						
Period	Age	Hatching egg	Inseminated egg	Chickens	% insemination	% chickens	Period	Age	Hatching egg	Inseminated egg	Chickens	% insemination	% chickens
21 2012	32	60.750	56.419	54182	92,9%	89,2%	21 2012	32	64.650	59.828	57533	92,5%	89,0%
22 2012	33	33.600	31.205	30106	92,9%	89,6%	22 2012	33	33.600	31.057	29722	92,4%	88,5%
23 2012	34	49.200	45.466	43483	92,4%	88,4%	23 2012	34	49.800	45.706	43789	91,8%	87,9%
24 2012	35	48.000	44.559	42600	92,8%	88,8%	24 2012	35	50.400	46.333	44447	91,9%	88,2%
25 2012	36	48.000	44.616	42504	93,0%	88,6%	25 2012	36	52.800	48.334	46365	91,5%	87,8%
26 2012	37	46.050	42.593	40700	92,5%	88,4%	26 2012	37	55.200	49.990	48190	90,6%	87,3%
27 2012	38	41.850	38.556	37059	92,1%	88,6%	27 2012	38	46.500	41.460	40009	89,2%	86,0%
28 2012	39	46.650	42.526	40371	91,2%	86,5%	28 2012	39	47.250	41.954	40271	88,8%	85,2%
29 2012	40	43.200	39.424	37726	91,3%	87,3%	29 2012	40	45.600	40.201	38468	88,2%	84,4%
30 2012	41	38.400	34.832	33512	90,7%	87,3%	30 2012	41	43.200	37.964	36353	87,9%	84,2%
31 2012	42	38.400	34.395	32436	89,6%	84,5%	31 2012	42	43.200	37.381	35428	86,5%	82,0%
32 2012	43	43.200	39.009	36918	90,3%	85,5%	32 2012	43	48.000	41.439	39527	86,3%	82,3%
33 2012	44	43.200	38.907	36466	90,1%	84,4%	33 2012	44	46.500	39.874	37214	85,8%	80,0%
34 2012	45	33.600	29.931	28329	89,1%	84,3%	34 2012	45	38.400	33.104	31288	86,2%	81,5%
35 2012	46	33.600	29.918	28126	89,0%	83,7%	35 2012	46	44.100	37.842	35867	85,8%	81,3%
36 2012	47	35.850	31.856	30081	88,9%	83,9%	36 2012	47	43.200	36.361	34158	84,2%	79,1%
37 2012	48	36.450	31.850	29722	87,4%	81,5%	37 2012	48	43.200	35.640	33216	82,5%	76,9%
38 2012	49	33.600	29.295	27713	87,2%	82,5%	38 2012	49	38.400	31.554	29568	82,2%	77,0%
39 2012	50	43.800	37.533	34712	85,7%	79,3%	39 2012	50	39.000	31.392	28697	80,5%	73,6%
40 2012	51	36.000	29.693	27717	82,5%	77,0%	40 2012	51	36.000	27.421	25499	76,2%	70,8%
41 2012	52	31.350	25.177	23509	80,3%	75,0%	41 2012	52	38.400	28.949	27291	75,4%	71,1%
42 2012	53	28.800	22.692	20929	78,8%	72,7%	42 2012	53	31.800	23.198	20855	72,9%	65,6%
43 2012	54	33.000	25.855	24209	78,3%	73,4%	43 2012	54	33.600	23.590	21380	70,2%	63,6%
44 2012	55	27.900	21.243	19274	76,1%	69,1%	44 2012	55	33.600	23.308	21306	69,4%	63,4%
45 2012	56	33.600	24.871	22425	74,0%	66,7%	45 2012	56	32.700	21.183	18656	64,8%	57,1%
46 2012	57	24.000	17.500	15564	72,9%	64,9%	46 2012	57	27.000	16.943	14988	62,8%	55,5%
47 2012	58	33.600	22.200	18987	66,1%	56,5%	47 2012	58	36.450	21.888	18480	60,0%	50,7%
48 2012	59	24.000	14.558	12482	60,7%	52,0%	48 2012	59	37.200	21.818	18611	58,7%	50,0%
49 2012	60	16.500	9.414	7749	57,1%	47,0%	49 2012	60	31.650	17.445	14344	55,1%	45,3%
50 2012	61	8.000	4.083	3673	51,0%	45,9%	50 2012	61	4.200	2.252	1911	53,6%	45,5%
totaal		1.094.150	940.176	883.264	85,9%	80,7%	Totaal		1.215.600	995.409	933.431	81,9%	76,8%
POH		133	115	108			POH		148	121	114		

Difference	4,0%	more insemination		Total hatching eggs, technical overview	3.087.076
	3,9%	more chickens		Eggs/calendar week up to calendar week 31	508.350
				No. of eggs in test phase from calendar week 32	2.578.726
			90% tested	tested eggs from calendar week 32 onwards	2.309.750

