



Reduce MS incidence thanks to the positive synergy of Tonifarm Poultry P and Tonifarm CC

Mycoplasma Synoviae is a bacteria being involved in eggs apex anomalies, leading to « Brittle eggs syndrome ».

Characteristics :

MS contamination leads to an eggshell fragility (until 2 cm around the apex) observed through soft-shelled eggs, translucent eggshells, with fissures and cracks.
MS pathogenic properties can be multiplied if associated with other viruses or bacteriae.

Consequences :

- Eggshell fragility.
- Increase of downgraded eggs number.
- Increase of staff costs and working time (eggs selecting, equipments cleaning).
- Treatment costs.

Testimony of a breeder using phytotherapy

Breeder, phytotherapy user for 2 henhouses of almost 93 000 layers.

« I decided to use phytotherapy on my layers for 5 years! »

« Since 2009, during IB passages, I successfully use the Tonifarm Poultry CI during 5 running days from first symptoms appearance. With the Tonifarm CI, it is action—reaction! »

« In 2010-2011, observing than one flock made no progress, upon the technician advices, I used for the first time the Tonifarm P (2 days a week) whose purpose is to improve layers natural defenses in order they optimize there genetic potential (june 2010). I started with a flock at the week 28 and following favorable observations, I have continued on the 2nd flocks from the week 34. Since then, I systematically start Tonifarm P from pullets arrival, it is my 4th consecutive herd and I am very satisfied. »

« Since I use the Tonifarm P, I reduce the Tonifarm CI consumption by 30% (because layers are more resistant) but in 2011 we were confronted from the week 37 to a Mycoplasma MS infection, that we managed thanks to the association Tonifarm P+ Tonifarm CC. »

PROTOCOL AGAINST MYCOPLASMA SYNOVIAE

Continuation of Tonifarm P 2 days a week + Tonifarm CC 2 or 3 days a week



Tonifarm CC purpose is to increase calcium assimilation and to reinforce eggshell quality.



The combination of both, Tonifarm P and Tonifarm CC allowed to stabilize the downgraded eggs percentage at a low rate (-of 4,5%).

PROTOCOL RESULTS

Production scoreboard :

Age	FLOCK				QUANTITY OF EGGS PRODUCED						DOWNGRADED EGGS			EGGS WEIGHT				
	Mortality			headcount	eggs qty /week	laying % per hen present	Combined eggs number / layer			Downgraded eggs qty /week	Downgraded eggs % /week	Combined % of downgraded eggs	Average egg weight (g)		Total eggs weight / layer			
	weekly	Combined total	%				Real	Theory	Difference				Real	Theory	Real	Theory	Difference	
19	21	36	0,004	92 880	83 970	12,92	0,90	1,20	-0,30	1 560	1,86	1,86	45,80	45,00	41	54	-13	
28	27	330	0,36	92 586	620 260	95,70	58,25	56,00	2,25	16 224	2,62	2,13	59,75	60,40	3 283	3 171	112	
37	39	716	0,77	92 200	604 270	93,63	117,54	114,80	2,74	25 230	4,18	3,49	62,25	62,90	6 935	6 819	116	
48	50	1 257	1,35	91 659	560 850	87,41	186,01	184,00	2,01	24 150	4,31	3,84	63,21	64,00	11 231	11 208	23	
59	69	1 857	2,00	91 059	538 530	84,49	250,86	247,70	3,16	32 280	5,99	4,02	63,75	64,90	15 341	15 323	18	
68	64	2 352	2,53	90 564	497 200	78,43	300,88	295,90	4,98	21 740	4,37	4,38	64,80	65,30	18 559	18 462	97	
74	90	2 788	3,00	90 128	468 400	74,24	331,14	326,20	5,74	6 780	1,45	4,39	65,76	65,60	20 591	20 439	152	



Week 37 : Appearance of MYCOPLASMA(MS) symptoms.
Week 48: TONIFARM CC administration.

Breeder's observations :

« I think that Tonifarm P given 2 days a week from the flock's starting, make layers much more resistant. When apex symptoms appear, we can manage this pathology by administering Tonifarm CC 2 or 3 days a week. During those 5 last years, I didn't use any antibiotherapy, neither for IB symptoms, nor for MS symptoms, and with more than 97% of layers still present at the end of flocks.»

CONCLUSIONS

From the week 37 to the week 74, the rate of downgraded eggs increased from 3,49% to 4,39% (thus an increase of only 0.90 point).