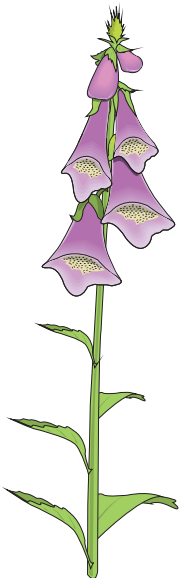
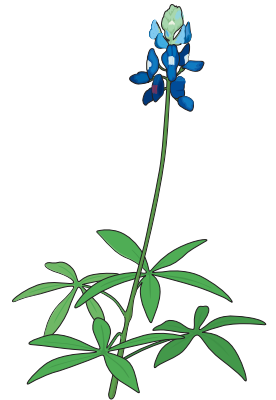
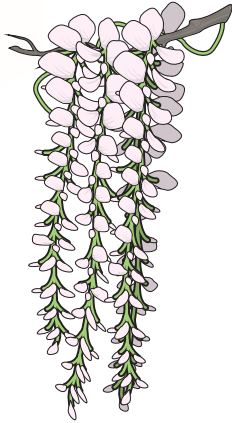


TONIFARM

WHEN BIOTHERAPY IS APPLIED TO BREEDING



SOLUTIONS BASED ON PLANT EXTRACTS

Tonifarm est une marque d'Alphatech - Tonifarm, a brand of Alphatech

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Tél. : (+33) 296 326 990 - Fax : (+33) 296 326 999
Web : www.alphatech-france.eu - E-mail : alphatech-france@orange.fr
RCS Saint-Brieuc : B432833622 - Capital : 62500 € - APE : 1091Z - TVA : FR96432833622

 Alphatech



Advantages of solutions based on plants for chicks – layers and poultry

1/ TONIFARM P (PREVENTION)

A sequential use of this solution helps reducing the breeding stress, particularly vaccine stress, of future layers. These results are confirmed by an improvement of the Consumption Index and F.C.R. (Feed Ratio Consumption).

2/ TONIFARM H (HEPATOPROTECTIVE)

An original hepatoprotective solution without sorbitol. With the advised dosage, this solution is very often cheaper for breeders than standard formulae.

3/ TONIFARM CI (INFECTIOUS BRONCHITIS SYMPTOMS)

At the time of Infectious Bronchitis symptoms appearance during the laying period, the use of this solution contributes to reduce the number of bad quality eggs, to improve the layers performances, to boost appetite and laying.

4/ TONIFARM ES (HEPATOPROTECTIVE – EGG SHELL QUALITY)

When livers are damaged and shells are fragile, this solution contributes to improve eggs quality and egg shell solidity.

- *After TONIFARM CI for 5 days running, we advise the use of TONIFARM ES for 5 days running.*
- *When egg shells are fragile, TONIFARM ES must be administered during 5 days running, 1 week out of 2. In normal period, it must be administered 5 days running, 1 week per month.*
- *Do not mix TONIFARM CI and TONIFARM ES.*

5/ TONIFARM SAG (FLU)

When poultry has the flu and it is too late to solve this disease with preventive solution (TONIFARM P).

6/ TONIFARM AC (COCCIDIOSIS)

To boost immune defence system particularly against this disease.

7/ TONIFARM SV

To reduce the consequences of stress on layers just after vaccination.



TONIFARM poultry AC

LIQUID COMPLEMENTARY FEED
SUPPLEMENT FOR POULTRY

Containers :

From 1 litre
to 20 litres

Characteristics :

TONIFARM Poultry AC is a formula based on active plant extracts. It has been designed to assist management of coccidiosis risks during breeding period.

Nutritional objectives :

The active plant extracts (synergy) incorporated in **TONIFARM poultry AC** improves immune defense system.

TONIFARM poultry AC acts notably on mucous membranes quality and digestive tract walls.

Composition per litre :

Magnesium (chloride) : 12 500 mg

Vitamin C : 12 000 mg

Organic Silicon

Plant extracts : Lithrum Salicana, Thymus Vulgaris, Stanacetum Vulgaris, Artemisia, Arctostaphylos Uva-Ursi, Filipendula Ulmaria.

Directions for use :

TONIFARM poultry AC can be administered via dosing pumps or directly mixed in drinking water tanks.

Administration at the rate of 0.5 litre / 1000 litres of drinking water.

Do not store **TONIFARM poultry AC** at more than 30°C and near electric motors.

TONIFARM poultry AC must not be administered more than 7 days running.



TONIFARM poultry CI

LIQUID COMPLEMENTARY FEED
SUPPLEMENT FOR POULTRY

Containers :

From 1 litre
to 20 litres

Characteristics :

TONIFARM poultry CI is directed to face up to the different critical phases of poultry breeding:

- Periods of stress.
- Viral diseases due to temperature variations.
- Change from a cold and dry weather to a cold and damp weather.

Nutritional objectives :

Reduction of the reactions linked to stress

TONIFARM poultry CI is a complementary feed supplement to use also during the critical phases of growth, following respiratory disease complications.

Composition per litre :

Magnesium (chloride) : 12 500 mg

Vitamin C: 12 000 mg

Organic Silicon

Aromatic and pre-prandial Plant extracts: Cochlearia, Inula helenium L., Quillaya
Saponaria, Agrimonia eupatoria L.,
Rosmarinus officinalis L.

Directions for use:

TONIFARM poultry CI can be administered via dosing pumps or directly mixed in drinking water tanks:

Advised dosage: 0.5 litre of TONIFARM poultry CI for 1000 litres of water drunk per day, during 5 days running.

Do not store TONIFARM poultry CI at more than 30°C and near electric motors.

TONIFARM poultry CI must not be administered more than 7 days running.



TONIFARM poultry CI

TRIALS RESULTS ON INFECTIOUS BRONCHITIS

What is an Infectious Bronchitis ?

Infectious Bronchitis is a viral disease.

The causes are numerous and can be very different from a disease to another :

- An environment highly concentrated in birds or other bred animals,
- Manures spreading in fields,
- Sudden variations in temperatures, etc...

That is the reason why it is always very difficult to know the virus which affects the birds from an Infectious Bronchitis to another one. It can be totally different.

For this reason, we used to speaking of “**wild virus**” when birds are confronted with an Infectious Bronchitis.

Consequences of a Infectious Bronchitis on birds :

An infectious Bronchitis is characterized by an appetite loss with a sudden laying decrease or a sudden increase of **bad quality eggs** like :

- Brown eggs which are suddenly white,
- Too thin shell egg, etc...

Why ?

An infectious Bronchitis increases and deforms all the respiratory system.

Layers have the particularity to have in their morphology, genitals close to the respiratory system. So, when the respiratory system is deformed by an Infectious Bronchitis, **genitals are also deformed** (layers have ovarian pains) and that is the reason why as long as a layer will be victim of an Infectious Bronchitis, it will produce bad quality eggs.

How have we created TONIFARM CI concept ?

All these considerations have induced us to think :

- There is no active matter which can treat every species of virus. So, the only possible solution is to **boost the immune system** which will be able itself to fight each virus.
- More quickly the respiratory system will regain its normal size, more quickly the eggs production will find again its quality.
- Quality eggs production is closely linked to appetite. So, it is important that birds recover as soon as possible their normal **appetite**.

Actual solutions :

For many years, the only solution to reduce the consequences of Infectious Bronchitis was to add Oxytetracycline in the feed.

However, **Oxytetracycline does not treat the viral disease, it only boosts appetite** to try to reduce the consequences of such a disease on shell eggs quality.

What we suggest :

TONIFARM CI boosts the **immune system**,

TONIFARM ES is an hepatoprotective solution only based on plant extracts to boost appetite with special plant extracts to increase at the same time, phosphorus and calcium fixation (→ shell egg quality) **whatever the feed quality and the appetite level**.

Our trials results :

Example of problematic we have during one of our trials :

House of 74 000 layers, located in an environment highly concentrated in poultry. 1 km around, there are 4 houses : 2 broiler turkey houses, 1 layer house in semi open air, 1 standard layer house.

This breeding house of 74 000 layers still faces regular IB flows on all the birds batches.

As early as the entry in cages on the 18th week, until the 27th breeding week, the feed intake is supplemented with Oxytetracycline 1 week out of 2. The breeder is convinced to face chronic IB with a lot of eggs out of shape.

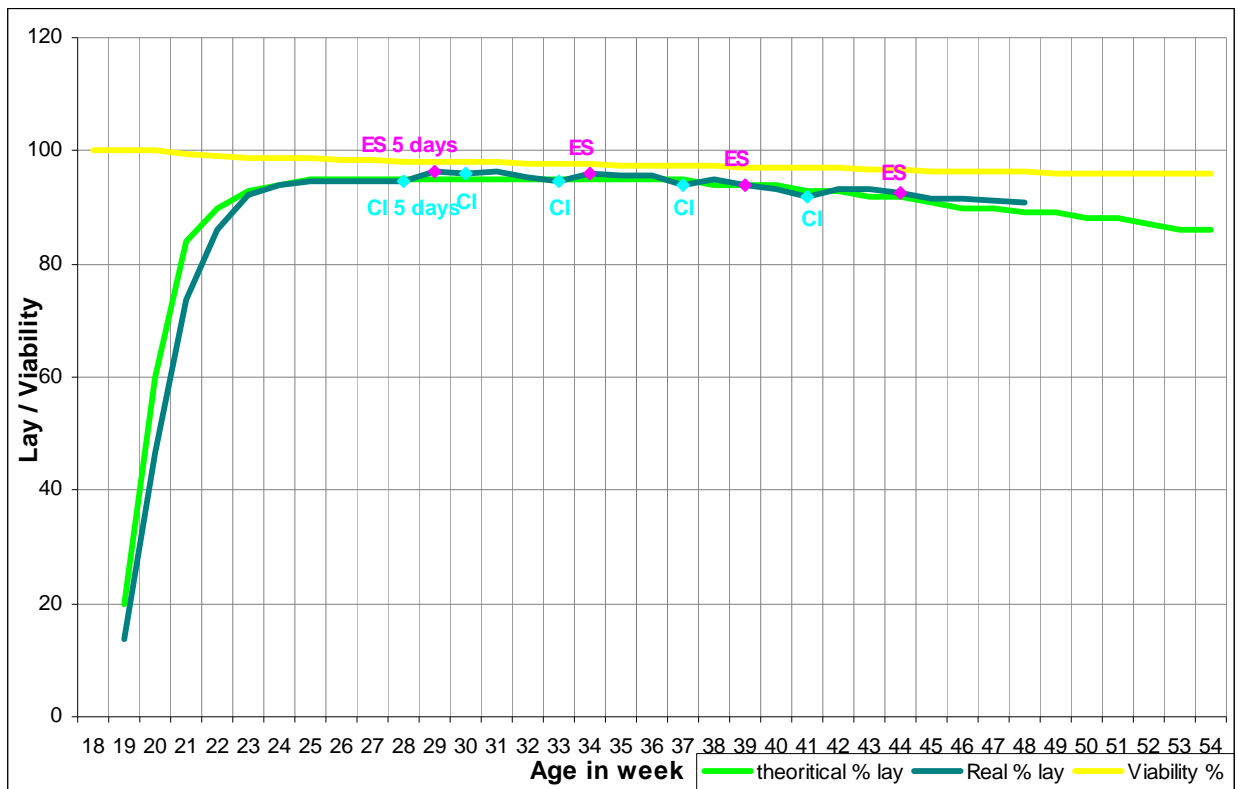
As early as the 28th week, he implements the ALPHATECH protocol TONIFARM CI + TONIFARM Coquilles. The eggs quality is improving immediately.

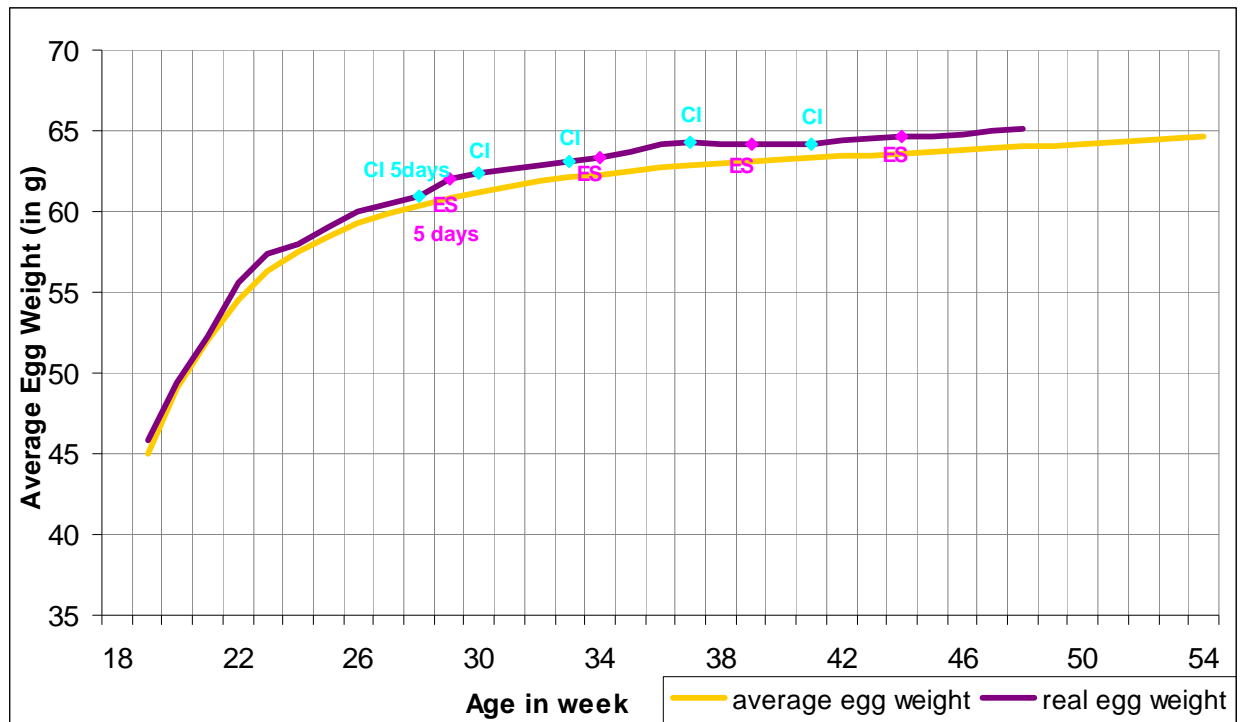
As soon as the symptoms appear again, he uses TONIFARM CI for 5 days running, followed by TONIFARM ES.

TONIFARM ES is administrated for 6 days running per month, instead of a hepatoprotective as it could be done before in the feed intake.

Results at 48 weeks old:

- Laying percentage : 90,94 %
- Egg weight: 65,09 g (norm = 64 g)





- Conclusions :**
- **TONIFARM CI** contributes efficiently to reduce the consequences of Infectious Bronchitis.
 - **TONIFARM CI** must be administrated when the symptoms are visible.
 - It is important to associate its administration with **TONIFARM ES** to avoid sudden decrease of eggs weigh.

Very important : **TONIFARM CI** and **TONIFARM ES** must not be administrated at the same time (formulae must not mixed together).

These results are just an example, but a perfect example which sums up the numerous tests and trials we have made in France. In 17 months, we have made tests :

- On more than 1 millions of layers,
- On all the most known layers strains : **ISA BROWN – LOHMANN – HY-LINE.**



TONIFARM poultry ES

LIQUID COMPLEMENTARY FEED
SUPPLEMENT FOR LAYERS

Containers :

From 1 litre
to 20 litres

Characteristics :

TONIFARM poultry ES is an hepatoprotective formula adapted to face up the different critical phases of poultry breeding:

- When shells are fragile.
- When zootechnical performances decrease due to digestive overcharges.
- After antibiotics treatments.

Nutritional objectives :

TONIFARM poultry ES is a complementary feed supplement to use as a preventive solution to the critical breeding phases. This solution will allow the layer to better assimilate the feed phosphorus and calcium in order to have a better shell quality.

Composition per litre :

Magnesium (chloride) : 12 500 mg
Citrus and Orange Extracts
Organic Silicium
Plant extracts : Taraxacum, Solidago, Caduus Marianus, Pilosella, Foenum graecum.

Directions for use:

TONIFARM poultry ES can be administered via dosing pumps or directly mixed in drinking water tanks :

- 0,4 liter for 1000 litres of water drunk per day, during 10 days running.

Do not store **TONIFARM poultry ES** at more than 30°C and near electric motors.

TONIFARM poultry ES must not be administered more than 7 days running.



TONIFARM poultry H

LIQUID COMPLEMENTARY FEED
SUPPLEMENT FOR LAYERS – BROILERS
TURKEY HENS – DUCKS – GUINEA FOWLS

Containers :
From 1 litre
to 20 litres

Characteristics :

TONIFARM poultry H is an hepatoprotective formula to face up to the different critical phases of poultry breeding :

- At the time of feed transitions.
- When zootechnical performances decrease after digestive diseases linked to new feed or feed too rich in fat.
- After antibiotic treatments.

TONIFARM poultry H improves liver and digestive functions.

Nutritional objectives :

TONIFARM poultry H is a complementary feed supplement to use as preventive solution at the time of critical breeding moments.

Composition per litre :

Magnesium (chloride) : 12 500 mg
Citrus and Orange extracts
Organic Silicium
Plant extracts : Taraxacum, Solidago, Caduus marianus, Pilosella,
Foenum graecum.

Directions for use :

TONIFARM poultry H can be administered via dosing pumps or directly mixed in drinking water tanks :

Chicks stress at their entrance : 1/3 of litre of TONIFARM poultry H for 500 litres of drunk water per day the 1st and 2nd day.

Then, from the 1st week : 1/3 of litre of TONIFARM poultry H 1 day on 2 or 3 days for 1000 litres of drunk water per day.

The day before and the day after vaccination days.

Do not store TONIFARM poultry H at more than 30°C and near electric motors.

TONIFARM poultry H must not be administered more than 7 days running.



TONIFARM poultry P

LIQUID COMPLEMENTARY FEED
SUPPLEMENT FOR POULTRY

Containers :

From 1 litre
to 20 litres

Characteristics :

TONIFARM Poultry P is a formula to face up to the different critical phases of poultry breeding :

- Stress at the time of separations and rounding-ups.
- Aggressiveness, adaptability problems.
- Feed transitions.
- More generally, to reduce most of the reactions linked to stress.

Nutritional objectives :

TONIFARM poultry P is a complementary feed supplement to reduce reactions linked to stress and to reduce losses of appetite at the time of feed transitions.

It contributes also to improve immune defences.

Composition per litre :

Magnesium (chloride) :	12 500 mg
Vitamin C :	12 000 mg
Organic Silicium	
Plant extracts :	Citrus limonum L, Echinacea, Eucalyptus globulus, Marubium, Gentiana lutea.

Directions for use :

TONIFARM poultry P can be administered via dosing pumps or directly mixed in drinking water tanks :

Chicks stress at their entrance : 1/3 of litre of **TONIFARM poultry P** for 500 litres of drunk water per day the 1st and 2nd day.

Then, from the 1st week : 1/3 of litre of **TONIFARM poultry P** 1 day on 2 or 3 days for 1000 litres of drunk water per day.

The day before and the day after vaccination days.

Do not store **TONIFARM poultry P** at more than 30°C and near electric motors.

TONIFARM poultry P must not be administered more than 7 days running.



TONIFARM Poultry P

TRIALS RESULTS

What are TONIFARM formulae ?

TONIFARM is our registered brand name where we have gathered together all our creations in matter of complementary feed supplements **solutions based on plant extracts**.

Each of TONIFARM formulae has a unique composition and has been designed to bring an alternative solution to recurrent breeding problems.

All TONIFARM formulae are our own creations in close collaboration with our Veterinarian who has more than 30 years of experience in this field (Ex Vet Professor in Paris).

All TONIFARM formulae are totally manufactured in our factory without subcontracting.

What is the goal of TONIFARM Poultry P ?

TONIFARM Poultry P has not been created to solve particular breeding diseases. It has been designed to **boost birds immune defense system** during all the breeding. Its action will be therefore visible through :

- A reduction of antibiotics administration ;
- A feed consumption rate improvement ;
- A more important body weight at slaughtering time.

What are the conducted tests ?

Goal of the first tests : to estimate the capacity of TONIFARM Poultry P to reduce some antibiotics administration.

The first trials were conducted in an important local pigeons breeding located in Brittany.

These birds being particularly sensitive, most of the breeders treat them weekly with antibiotics like Amoxicilline and Spiramycine.

Goal of the second tests : to prove that birds have a better feed consumption rate when they have a better immune defense system.

Goal to the third tests : to confirm that birds with a better immune defense system and therefore a more linear growth, have a heavier body weight at slaughtering time.

Our trials results :

First trials : is TONIFARM Poultry P a solution to reduce antibiotics administration ?

A pigeons breeding located in Brittany.

8000 birds (→ 4000 couples).

Usual breeding conditions : pigeons being particularly sensitive to disease, the breeder treats them by safety weekly with Amoxicilline and Spiramycine.

Date of the trials : From March 2004 to July 2006.

Tests were conducted step by step :

Parameters of the tests :	Results :
<p><u>First period (2 months) :</u> 3000 couples treated weekly with antibiotics. 1000 couples treated 1 week / 2 with antibiotics and the other one with TONIFARM Poultry P.</p>	No detected difference (mortality, feed consumption, fertility) between the two herds.
<p><u>Second period (3 months) :</u> 2000 couples treated weekly with antibiotics. 2000 couples treated 1 week / 4 with antibiotics and the 3 other ones with TONIFARM Poultry P.</p>	No detected difference (mortality, feed consumption, fertility) between the two herds.
<p><u>Third period (6 months) :</u> 1000 couples treated weekly with antibiotics. 3000 couples treated 1 week / 8 with antibiotics and the 7 other ones with TONIFARM Poultry P.</p>	No detected difference (mortality, feed consumption, fertility) between the two herds.
<p><u>Fourth period (6 months) :</u> 1000 couples treated weekly with antibiotics. 3000 couples treated 1 week / 12 with antibiotics and the 11 other ones with TONIFARM Poultry P.</p>	No detected difference (mortality, feed consumption, fertility) between the two herds.
<p><u>Fifth period (9 months) :</u> 1000 couples treated weekly with antibiotics. 3000 couples treated 1 week / 16 with antibiotics and the 15 other ones with TONIFARM Poultry P.</p>	Loss of fertility and superior average mortality in couples treated with TONIFARM Poultry P

Conclusions of the tests : TONIFARM Poultry P is a solution to reduce Amoxicilline and Spiramycine administration.

A second test was conducted successfully later in the same breeding (4000 couples treated 1 week / 12 with antibiotics and the 11 other ones with TONIFARM Poultry P) to confirm the first trials results.

Now, in this breeding place TONIFARM Poultry P is administered systematically every week and birds are treated only 4 times / year (every quarter) with Amoxicilline and Spiramycine.

Second trials : is TONIFARM Poultry P improves feed consumption ratio ?

A layers breeding located in Brittany.

20000 birds (ISA BROWN strain) separated in two herds :

- 10000 birds have TONIFARM Poultry P in their drinking water.

- 10000 birds have only their standard treatments via drinking water.

The feed consumption is checked and calculated when birds are 20 weeks old (just before laying period starts).

Date of the trials : 2007 and 2008.

Average feed consumption / bird with TONIFARM Poultry P via drinking water :	Average feed consumption / bird without TONIFARM Poultry P via drinking water :
6.3 kg of feed / bird.	6.8 kg of feed / bird.
Average bird weight difference between the two herds : not significant → Global difference of feed consumption between the two herds at the 20th week : 5MT	

Conclusions of the tests : TONIFARM Poultry P is a solution to improve feed consumption ratio.

These tests were conducted a second time in the same breeding place and have confirmed the above results.

Third trials : body weight at slaughtering time with TONIFARM Poultry P

A layers breeding located in Brittany.

60000 birds (ISA BROWN strain) separated in two herds :

- 30000 birds have TONIFARM Poultry P in their drinking water.

- 30000 birds have only their standard treatments via drinking water.

Date of the trials : 2007.

	Layers with TONIFARM Poultry P via drinking water :	Layers without TONIFARM Poultry P via drinking water :
<u>Weight at the 19th week :</u>	1.6 kg	1.6 kg
<u>Weight at slaughtering time :</u> (week n° 72)	2.03 kg	1.9 kg
<u>Quantity of eggs / bird during laying period :</u>	20.631 kg	19.147 kg
Global difference of eggs when TONIFARM Poultry P is administered via drinking water in a breeding of 60 000 birds : 60000 x (20.631 kg – 19.147 kg) x 98% (mortality 2%) = 87260 kg		

Conclusions of the tests : TONIFARM Poultry P contributes to maintain feed consumption and to improve egg quantity per layer.



TONIFARM poultry RP

LIQUID COMPLEMENTARY FEED SUPPLEMENT
FOR TURKEY HENS AND GUINEA FOWLS

Containers :

From 1 litre
to 20 litres

Characteristics :

TONIFARM poultry R-P has been created for high growth animals :

- It contributes to a better mineralization of high potential animals.
- It acts as an anti-stress at the time of feed transitions, separations and after antibiotic treatments.

Nutritional objectives :

TONIFARM poultry R-P is a complementary feed supplement intended to reduce the reactions linked to stress.

Composition per litre :

Magnesium (chloride) : 12 500 mg
Organic Silicium
Plant extracts : Arenaria rubra, Solidago, Equisetum arvense L,
Salix alba, Harpagophytum

Directions for use :

TONIFARM poultry R-P can be administered via dosing pumps or directly mixed in drinking water tanks :

Administer **TONIFARM poultry R-P** from 21st day old, 2 days running every 15 days at the rate of 0.3 litre to 0.5 litre for 1000 litres of drunk water per day or five days running for males and females before their departure.

Stop 2 days and distribute 5 days running for males and 2 days every week if needed.

Do not store **TONIFARM poultry R-P** at more than 30°C and near electric motors.

TONIFARM poultry R-P must not be administered more than 7 days running.



TONIFARM poultry SAG

LIQUID COMPLEMENTARY FEED
SUPPLEMENT FOR POULTRY

Containers :

From 1 litre
to 20 litres

Characteristics :

TONIFARM S-A-G has been designed to manage some problems found in poultry breeding like :

- Variations in temperature.
- Change from dry and cold weather to cold and humid weather.
- Viral diseases.

Nutritional objectives :

To reduce reactions linked to stress.

TONIFARM S-A-G is a complementary feed supplement to use at the time of critical growth phases and to accompany the management of flu symptoms.

Composition per litre :

Magnesium (chloride) :	12 500 mg
Vitamin C :	12 000 mg
Organic Silicium	
Plants extracts :	Grindelia, Oregano, Echinacea, Ginseng.

Directions for use :

TONIFARM S-A-G can be administered via dosing pumps or directly mixed in drinking water tanks :

Recommended dosage : 0.3 litre to 0.5 litre per 1000 litres of drunk water per day for 4 to 5 days running.

Do not store **TONIFARM S-A-G** at more than 30°C and near electric motors.

TONIFARM S-A-G must not be administered more than 7 days running.



TONIFARM poultry SV

LIQUID COMPLEMENTARY FEED
SUPPLEMENTS FOR POULTRY

Containers :
From 1 litre
to 20 litres

Characteristics :

TONIFARM poultry SV is directed to face up to the different critical phases of poultry breeding notably after vaccinations.

TONIFARM poultry SV contributes to boost appetite, vitality and to reduce hyperthermia risks.

Nutritional objectives :

TONIFARM poultry SV is a complementary feed supplement to use during critical growth phases.

Composition per litre :

Magnesium (chloride) : 12 500 mg

Citrus and Orange Extracts

Aromatic and pre-prandial plant extracts: Taraxacum, Solidago, Sylibum marianum, Pilosella, Foenum graecum.

Directions for use:

TONIFARM poultry SV can be administered via dosing pumps or directly mixed in drinking water tanks:

Advised dosage: 0.5 litre of TONIFARM poultry SV for 1000 litres of water drunk per day, 1 day before vaccination. Then 3 to 4 days running after vaccination.

Do not store TONIFARM poultry SV at more than 30°C and near electric motors.

TONIFARM poultry SV must not be administered more than 7 days running.

This formulation is registered in France as product accepted in organic poultry Production. Regulation (CE) N°824/2007 and (CE) N°889/2008.
Registration made by ECOCERT S.A.S. (France)

