

# BROILER PROGRAMME - NON EU

INTERNAL USE ONLY

|   | STARTER                |   | GROWER   | FINISHER / WITHDRAWAL  |   |
|---|------------------------|---|--|--|---|
| REDUCTION OF THERAPEUTIC ANTIBIOTIC USE   | CLOSTAT® dry           | Avoid using antibiotics during the start  | Manage bacterial enteritis often linked with coccidiosis issues  | In finisher feed, certainly if there is a withdrawal of anticoccidials, to prevent enteritis | 500 g / ton   |
|   | CLOSTAT® HC SP dry     |   | In this period frequently antibiotics are used to manage enteritis issues. Typically, amoxicillin, ampicillin, penicillin, quinolones or tylosin are used. This water soluble product at a normal dose can be used in the farm to preventively use during critical periods. At the onset of enteritis issues this water soluble at higher dose can be used as an alternative |  | <u>Normal dose</u><br>50 g / ton of water<br><u>Higher dose</u><br>100 - 200 g / ton of water |
|   | FormaXOL™              | Prevent generalized E. Coli   |  |  | 1000 - 3000 g / ton   |
|   | ButiPEARL™             | An early and secured intestinal integrity with strong tight junctions can be stimulated by ButiPEARL™, a slow release butyric acid source. Less intestinal leakage and generalized infections with intestinal “pathogens” |  |  | 300 g / ton   |
| REPLACEMENT OF AGP  | CLOSTAT® dry           | CLOSTAT® has been proven to be perfectly capable of replacing antibiotic growth promoters with even better results  |  |  | 500 g / ton   |
| DYSBIOSIS<br>BACTERIAL ENTERITIS<br>CLOSTRIDIAL ENTERITIS<br>NECROTIC ENTERITIS | CLOSTAT® dry           |   | Bacterial enteritis often linked with coccidiosis issues   | In finisher feed, certainly if withdrawal of anticoccidials, to prevent enteritis            | 500 g / ton   |
|   | KEMZYME® Plus dry      | Reduces undigested nutrients in the intestinal tract contributing to the control and balance of intestinal microflora   |  |  | 500 g / ton   |
| DISEASE MANAGEMENT  | Aleta™                 | A reliable reaction to vaccinations is essential, to modulate the immune system   |  |  | 100 g / ton   |
|   | KemTRACE™ Chromium     | Enhance the bird’s natural resistance against infections with KemTRACE™ Chromium  |  |  | 50 g / ton  |
| WET LITTER<br>FOOD PAD DERMATITIS   | CLOSTAT® dry           |   | Although wet litter can be caused by impaired management, very often it is linked with bacterial enteritis issues. In this case CLOSTAT® is the number one preventive action   |  | 500 g / ton   |
|   | CLOSTAT® HC SP dry     |   | At a normal dose this water soluble product can be used in the farm to prevent wet litter in critical periods. In case of a starting wet litter issue it can be used at a higher dose as an alternative  |  | <u>Normal dose</u><br>50 g / ton of water<br><u>Higher dose</u><br>100 - 200 g / ton of water |
|   | KEMZYME® Plus dry      | Reduces reduces intestinal viscosity from feed NSP and, by this way, prevents wet litter when NSP rich diets are administered   |  |  | 500 g / ton   |
| GREASY LITTER<br>FOOD PAD DERMATITIS  | LYSOFORTE® EXTEND dry  |   | Fat digestion and fat absorption is improved by LYSOFORTE®. Food pad dermatitis by greasy litter is reduced  |  | 250 - 500 g / ton   |
|   | LYSOFORTE® BOOSTER Dry |   |  |  | 250 - 500 g / ton   |
|   | LYSOFORTE® liquid      |   |  |  | 200 g / ton   |
| STRESS<br>HEAT STRESS   | Aleta™                 | Aleta™ counterbalances the immune depression after stress and heat stress   |  |  | 100 g / ton   |
|   | KemTRACE™ Chromium     | Stress or heat stress are occurring in all production systems. KemTRACE™ Chromium gives the broilers all tools to defend against the consequences of stress.  |  |  | 50 g / ton  |

|                        | STARTER                  |  | GROWER   | FINISHER WITHDRAWEL      |                          |
|------------------------|--------------------------|--|--|--------------------------|--------------------------|
| FEED EFFICIENCY<br>FCR | LYSOFORTE® EXTEND dry    | To improve fat digestion in young birds under challenge  | Fat digestion and fat and nutrient absorption can be improved  |                          | 250 - 500 g / ton        |
|                        | LYSOFORTE® BOOSTER Dry   |  |  |                          | 250 - 500 g / ton        |
|                        | LYSOFORTE® liquid        |  |  |                          | 200 g / ton              |
|                        | KEMZYME® Plus dry        | KEMZYME® Plus dry is a unique multi-enzyme combination of 5 declared enzyme activities (xylanase, betaglucanase, cellulose, amylase and protease) derived from different fermentations to achieve the highest nutrient release and utilization |  |                          | 250 - 500 g / ton        |
|                        | Paradigmox® White DN dry | Oil and fat oxidation is responsible of diet's energy level reduction. Stabilize oils with a liquid antioxidant and final feed with a dry antioxidant  |  | 100 g / ton feed         |                          |
|                        | Paradigmox® White Liquid |  |  | 200 - 500 g / ton of oil |                          |
|                        | KemTRACE™ Chromium       | In fast growing broilers relative chromium deficiency is very common. This creates an impaired energy metabolism. This can be overcome by KemTRACE™ Chromium.  |  | 50 g / ton               |                          |
| FEED COST SAVINGS      | LYSOFORTE® EXTEND dry    | Allows feed reformulation by increasing nutrients digestibility and absorption and the profitable use of less digestible and cheaper fats and oils   |  | 250 - 500 g / ton        |                          |
|                        | LYSOFORTE® BOOSTER Dry   |  |  | 250 - 500 g / ton        |                          |
|                        | LYSOFORTE® liquid        |  |  | 200 g / ton              |                          |
|                        | KEMZYME® Plus dry        | With KEMZYME® Plus dry the use of less digestible and cheaper raw materials in the diets is possible without losing efficiency   |  | 250 - 500 g / ton        |                          |
| FEED INTAKE            | TOXFIN™ dry              | Feed intake and health can be impaired because of mycotoxin prevalence. This can be prevented by TOXFIN™   |  |                          | 1000 g / ton             |
|                        | Paradigmox® White Liquid | Compromised oil quality (oxidation/rancidity) can negatively influence feed intake. Stabilization of oil with a liquid antioxidant can prevent this issue  |  |                          | 250 - 500 g / ton of oil |
| LAMENESS               | CLOSTAT® dry             | Fast growing broilers have to absorb all available minerals (like calcium) from the feed to be able to grow the bones strong enough. Increase the overall intestinal health by CLOSTAT®.   |  |                          | 1000 g / ton             |
|                        | KemTRACE™ Zn             | Several trace minerals are crucial for general health and performance. Also for the bone mineralization process and tendon development highly available trace minerals like KemTRACE™ Zn, KemTRACE™ Cu and KemTRACE™ Mn are essential          |  |                          | 250 g / ton              |
|                        | KemTRACE™ Cu             |  |  |                          | 50 g/ ton                |
|                        | KemTRACE™ Mn             |  |  |                          | 500 g/ ton               |
| CARCASS QUALITY        | LYSOFORTE® EXTEND dry    |  | LYSOFORTE® decreases the abdominal fat deposition and increases the meat yield of the carcass. LYSOFORTE® also reduces oily carcass problems |                          | 250 - 500 g / ton        |
|                        | LYSOFORTE® BOOSTER Dry   |  |  |                          | 250 - 500 g / ton        |
|                        | LYSOFORTE® liquid        |  |  |                          | 200 g / ton              |
|                        | KemTRACE™ Chromium       |  | By improving the energy metabolism KemTRACE™ Chromium clearly showed to increase the meat yield in a broiler carcass                         |                          | 50 g / ton               |
| SALMONELLA             | FormaXOL™                |  | To reduce the Salmonella prevalence before slaughter higher dosages of FormaXOL™ can be used   |                          | 1000 - 3000 g / ton      |