

Mycotoxicosis

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MYCOTOXICOSIS REFERS TO DISEASES RESULTING FROM THE EFFECTS OF THE TOXINS PRODUCED BY MOLDS (FUNGI). THIS DISEASE IS OFTEN HIDDEN AND SUBCLINICAL BE DIFFICULT TO DIAGNOSE. THE DISEASE OCCURS IN ALL PARTS OF THE WORLD, ESPECIALLY IN THE COUNTRY THAT WOULD BE THE ATMOSPHERE WHERE THE TEMPERATURE AND HUMIDITY IS HIGH, WHEN THE HARVEST OF GRAIN, WHICH CONTAINS HIGH MOISTURE. THE ECONOMIC IMPACT OF THIS DISEASE IN SOME COUNTRIES.

THERE ARE DIFFERENT NUMBERS OF THE TOXINS PRODUCED BY SPECIES OF MOLD (FUNGI): * AFLATOXINS PRODUCED BY ASPERGILLUS FLAVUS; * T2 FUSARIOTOXINS BY PROSECUTORS FUSARIUM. (WITH ORAL LESIONS CAUSED EGGSHELL THINNING); * OCHRATOXINS BY ASPERGILLUS OCHRACEUS (WORKING ON THE SHORTCOMINGS IN THE FUNCTIONS OF THE KIDNEYS, BOWELS AND PROVENTRICULUS); * RUBRATOXIN BY PENICILLIUM RUBRUM (NOT CAUSE THIAMINE METABOLISM AND THUS CAUSE THE SYMPTOMS OF A SHORTAGE). CERTAINLY THERE ARE OTHER TYPES OF MYCOTOXINS.

PER MORTILITY BE CHANGING DEPENDING ON THE PUBLIC HEALTH OF THE BIRDS AND TEMPERATURES. THE FOLLOWING TYPES OF BIRDS THAT ARE AFFECTED AND LEAST AFFECTED BY THE: DUCKS, TURKEYS, GEESE, AND THE CYCLIST, AND CHICKEN. TRANSMISSION IS THROUGH INGESTION OF FUNGI AND TOXINS, WHICH EXIST IN THE AIR, WHICH GROWS ON CEREALS AFFECTED BY THE INSECTS THAT ARE STORAGE IN POOR CONDITIONS, WITH A DEGREE HEAT AND HIGH HUMIDITY.

WHEN EXPOSED TO POISON THE BIRDS IN THE FIRST TIME SPOKE OF SETBACKS BIOLOGICAL EFFECTS AND DIFFICULT TO AVOID CAUSING IRREVERSIBLE IMMUNE. THE BIRDS RETURN TO NATURE OF BIRDS AFTER THE 7-15 DAY AFTER THE REMOVAL OF CONTAMINATED FEED. SOME BELIEVE THAT MYCOTOXICOSIS AN IMPORTANT FACTOR IN THE FATTY LIVER SYNDROME.

AFLATOXIN ARE KNOWN TO CAUSE THE FORMATION AND DISCOURAGE THE TRANSFER OF FAT IN THE LIVER. THE LACK OF SYMPTOMS SEEN IN VITAMIN FAT SOLUBLE (A, D, E, & K) IN SOME CASES AFLATOXIN. CAUSE CANCER IN RODENTS AND THAT IN MATTERS RELATING TO PUBLIC HEALTH MUST BE FOUND AN

EFFECTIVE SOLUTION TO THESE PROBLEMS.

GRADES:

- SIGNS VARY DEPENDING ON THE TYPE OF BIRD INFECTED, THE AMOUNT OF INTAKE DOSE AND DURATION OF EXPOSURE.
- DIARRHEA.
- PARALYSIS OR IN COORDINATION.
- DECREASE IN APPETITE.
- LOW WEIGHT AND EGG PRODUCTION / REDUCTION IN THE PROPORTION OF HATCHING.
- PALLOR COMB, BONE MARROW.

LESIONS:

- *MYCOTOXINS CAUSE DAMAGE TO THE MUCOSA.*
- *IT CAN ALSO AFFECT THE SPEED ABSORPTION BLOOD CLOTTING, WHICH LEADS TO LARGE PATCHES OF BLEEDING IN VARIOUS TISSUES.*
- *LIVER AND KIDNEY LESIONS - THE EXPANSION OF THE LIVER AND CANDIDATURE FAT THE ARTICLE AND RETENTION THE YELLOW MATERIAL IN LIVER, CAUSING SWELLING OF THE LIVER.*
- *INFLAMMATION OF THE INTESTINE TO VARYING NOTES.*
- *HYDROPERICARDIUM.*
- *PALLOR OF THE BONE MARROW.*
- *SET BACK THE STOCK EXCHANGE.*
- *ULCERS IN THE SAC.*

DIAGNOSIS:

IN SEVERE CASES THE DIAGNOSIS CAN BE BASED ON:

- 1. THE HISTORY OF THE SITUATION.*
- 2. TISSUE LESION.*
- 3. CAN ALSO DETERMINE THE TYPE AND VOLUME OF TOXIC RESIDUES IN SAMPLES OF FEED OR FEED IN THE LABORATORY USING A ELISA.*
- 4. MALNUTRITION, POOR MANAGEMENT, AND PHYSICAL DAMAGE TO THE TISSUE, AND INFECTIOUS DISEASES.*

TREATMENT:

- 1. REMOVE THE SOURCE OF POISON IS MORE EFFECTIVE.*
- 2. THE ADDITION OF ANTI FUNGI'S .*
- 3. INCREASE THE LEVEL OF PROTEIN IN FOOD MAY REDUCE THE MORTALITY.*

4. *ADDITION VITAMIN AND SELENIUM (0.2 PPM), ALONG WITH COPPER SULPHATE IN 1KG/TON IN FEED FOR 7 DAYS.*

PREVENTION

MYCOTOXICOSES CAN BE PREVENTED:

- *A THOROUGH EXAMINATION OF THE FEED AND RAW MATERIALS THAT CONTAIN LOW AMOUNTS OF MOISTURE AND OF STORAGE SYSTEMS.*
- *ADDED ANTI-POISONING CAN ALSO BE USED BUT MAY NOT DEAL WITH THE TOXIC MATERIALS FROM THEM.*
- *WHEN THE USE OF FISH PROTEIN FISHMEAL BE MORE SUSCEPTIBLE FUNGI CONTAMINATION AND SHOULD NOT BE STORED MORE THAN 3 WEEKS.*
- *PELLETISING FEED IN THE FORM OF REDUCING THE FUNGI, BUT DOES NOT AFFECT THE POISON ITSELF.*
- *IN ADDITION TO THE METAL FEED REDUCES TOXINS FROM THE EFFECTS OF FUNGI.*
- *STORAGE AND GOOD MANAGEMENT TO CONTRIBUTE TO THE FEED STORES TO REDUCE THE APPEARANCE OF INJURY.*