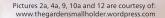
Chicken Fecal Analysis

The color and texture of chicken fecal material can indicate the health status of the digestive tract. This poster shows abnormal droppings and suggests the possible causes.





Surrounded with large foamy urates excreta. 1): Malabsorption syndrome in young chicks digested and absorbed in by cecal flora. Clostridium perfringens infection,













mounts of brown watery and (adenovirus, reovirus), Dietary changes: High lactose content in feed ingredient that is not small intestine, but fermented Contains large amounts of solid paste, white to milky urates excreta.

In clincical cases, only the white urates are being passed.

In subclinical cases, orange-reddish drops of intestinal linings in the faeces can be observed. In clinical cases, orange drops of gut mucosa discharge in the faeces can be observed.

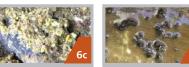
Viral infections (Infectious bronchitis), bacterial infections. sease: Infectious bursal disease, lymphoid leukosis. Mouldy Ingredient: Mycotoxin (aflatoxin, ochratoxin). Drugs (sulfa, gentamycin) have been over used. Heavy metals (zinc, lead) are not digested and absorbed. Combination of high calcium levels, high vitamin D, low vitamin A, high dietary protein in the diet, fed to older chickens (e.g. layers> 60 weeks old.) Behavior changes: Lack of drinking, excitement, stress. Other Diseases: Worms, coccidiosis, toxoplasmosis.

Gastrointestinal tract disease: Necrotic enteritis (Clostridium perfringens), Salmonella Typhimurium, coccidia, ascarids, enteric virus (torovirus-like virus), histomoniasis. Disbacteriosis: Microbial imbalances. Aflatoxin, fumonisins, sterigmatocystin, ochratoxin, and undefined toxins of Penicillium. Toxic injury: Oxidised, rancid fats, biogenic amines.



coccidiosis, worm infestation.













Undigested maize can be seen in the feces.

Poor feed quality, coarse and large particle size of grinded corns. Gizzard erosion, malabsorption syndrome.

Clear or watery, runny droppings show normal faecal matter but notably more fluid around the faeces.

Brown runny dropping which appear loose and watery in clinically infected chicken.

Malaborption/maldigestion syndrome: Enteric virus (reovirus, rotavirus, bacterial enterotoxins, (E. coli, Clostridium, chostridium,

cholera, Salmonella). Dietary Changes: High in salt, excess levels of magnesium (carbonate, sulfate, and oxide farms), non-starch carbohydrates (e.g. raffinose in soybean meal, lactose in whey, pentosans in small grains, or sucrose). Increased water consumption during heat stress.

: Vaccination, environmental temperature, drastic change in feed formulations.

The sulfur vellow color. blood stained and foamy dropping is due to a disease called Blackhead or Histamonosis, which is caused by a protozoan parasite which affects the gut.















Greenish dropping combined with very little faecal matter and condensed ureates, which contains little mucus around it.

ease: E. coli infection; Newcastle disease, infectious bronchitis, Leucocytozoonosis, coryza, CDR, avian influenza, lymphoid leukosis.

Mycotoxins, fatty liver, heavy metals. Infection, acute stressors (vaccination, medication, environmental temperature).



Light greenish droppings are due to sudden change in environmental conditions.



Bloody droppings are due to cecal coccidiosis.



Cecal droppings are normally expelled two or three times a day (once in every 8 to 10 droppings). They look pasty, smell worse than regular droppings and are often mustard to dark brown in color.





Usually voided as digestive waste with white uric acid crystals on the outer surface and have no odor.

