

2008 International Poultry Scientific Forum

SUBJECT INDEX

Numbers following names are abstract numbers; abstract numbers preceded by M are Monday oral presentations, abstract numbers preceded by T are Tuesday oral presentations, and abstract numbers preceded by P are poster presentations.

- ### A
- A. niger, T99
 - Acid-base balance, P140
 - Activin, M10
 - Acute phase proteins, M83
 - Additive, P188, P189
 - Aerobic stability, P173
 - Aflatoxin, M30
 - Aflatoxin B₁, P151
 - Age, M25
 - AIV, T92
 - Alfalfa, M4
 - Alfalfa meal, T103
 - Alpha-linolenic acid, M7
 - Alphitobius diaperinus*, M38, P152
 - Amino acids, M27, M48, M49, P155, P193, P194
 - Ammonia, M37, T108, P140, P147
 - Ammonia emissions, T110 and, P141
 - Animal welfare, T112
 - Antibiotic growth promoter, P157
 - Antibiotics, P153
 - Antibody, M61
 - Anticoccidial drug, M86
 - Antigenicity, T87
 - Antimicrobial feed additives, T103
 - APEC, P136
 - Apparent ileal digestibility, P159, P176
 - Apparent metabolizable energy, P183
 - Application, T122
 - Aquatic, M15
 - Aquatic birds, P127
 - Argentina, P138
 - Ascites, P137
 - Ash, P172
 - Assay, P177, P195
 - Assessment, M73
 - ATP, M61
 - Attenuated Vaccine, P125
 - Automated injection, M34
 - Avian Influenza, T94, P127, P139
 - Avian influenza virus, P132
 - Avian oocyte, M13
 - Avian reovirus, T89
 - Aviculture, P191, P193, P194
- ### B
- B. licheniformis, M70
 - Bacillus subtilis* C-3102, M69, P181
 - Bacillus subtilis* PB6, M2
 - Bacitracin, P181
 - Bacteria, M37, M40, P144
 - Bacterial contamination, T118
 - Bacterial flora, M6
 - Barley, M4
 - Beast meat yield, P185
 - Bedding sources, T107
 - Beta-glucans, P162
 - Bioavailability, P161, P174
 - Biochemical treatments, M43
 - Biodegradation, P156
 - Bio-Mos, M57
 - Blood meal, P164
 - B-Mannanase, T115, T116, T117
 - Body weight, M75, T115, P154
 - Bone ash, M23
 - Bone resistance, P189
 - Breast meat quality, M8
 - Breast yield, P155
 - Breeder diet, M67
 - Broiler breeders, M35, M47, M75, M76, M77, M79, T119, T121, P145, P146, P148, P149, P150, P186
 - Broiler chickens, M69, T107, T111, P163, P181
 - Broiler chicks, M55, M59, M60, T120
 - Broiler diet, M21
 - Broiler finisher, M44
 - Broiler hatching eggs, M74
 - Broiler production, T103, T105
 - Broilers, M5, M6, M14, M15, M18, M20, M22, M23, M24, M25, M26, M27, M36, M37, M38, M39, M42, M45, M48, M49, M50, M51, M65, M66, M72, M80, M82, M83, M84, M85, T99, T100, T101, T104, T108, T112, T113, T116, T117, T121, T124, P133, P137, P140, P151, P152, P155, P156, P157, P159, P162, P165, P172, P174, P179, P180, P183, P185, P187
 - Brown layer Strain, P166
 - Brown-egg hens, P188
 - By-products, M42
- ### C
- C. perfringens, M70
 - Calsporin, M69, P181
 - Campylobacter*, M5, P141, P143
 - Cassava peels, M44
 - Cell culture, M13
 - Cell dispersal, M13
 - Challenge, P139
 - Chick, P160, P161
 - Chick length, T114
 - Chick liver, M30
 - Chick quality, T114
 - Chicken Breast, P142
 - Chickens, M9, M10, M11, M17, M62, M67, M70, M71, T93, T109, T113, T122, T123
 - Cholesterol, M16
 - Choline, M68
 - Citric acid, P192
 - Cloacal swab sample, T89
 - CloSTAT™ brand direct-fed microbial, M2
 - Clostridium*, P133

Clostridium perfringens, T109
Clostridium septicum, M64
 Coccidia, M57
 Coccidiosis, M24, M36, M86
 Coccidiosis vaccine, M85
 Coccidiostat, M82, M85, M86
 Cocoa bean shell, M43
 Cocoa bean testa, M72
 Colocalization, T88
 Color, P146
 Combination chemical, M74
 Commercial leghorns, P169
 Comparative, M15
 Complex diet, T98
 Complexed zinc, P165
 Consumer acceptability, M8
 Cook loss, P142
 Copper, P174
 Corn, M54, T96, T102, P158, P183
 Cottonseed meal, M1
 Coturnix coturnix, P190
 Critical period, M41
 Crude protein, M24, M39
 Crumbles, M65
 Crystalline amino acids, P180
 Cull eggs, P148
 Cumulative nutrition, T119
 Curcumin, P151
 Cytokines, P137

D

Darkling beetles, M38, P131, P152
 DDG, M81
 DDGS, M19, M20, T110, P147, P158
 Deboning time, M8
 Detection, T89
 Determination, M50
 Development, M73
 DFM, M70, M71
 DGGE, M71
 Diagnosis, P130
 Diagnostics, P125
 Diet, T110
 Dietary Balanced Protein, M45
 Dietary energy, P170
 Dietary proteins, T104, P169
 Direct-fed microbial, M61, M69, P181
 Distiller's dried grain, M18
 Distillers dried grains solubles, T103
 Distiller's dried grains with solubles, P158
 Distribution, M31
 Dried distillers grains with solubles, M19
 Drip loss, P142
 dsRNABP proteins, T88
 Duck, M9
 Duckling, P160

E

E. coli, M5, T99, P141
 Early feed intake, M46
 Egg pack, P148
 Egg position, P149
 Egg production, P188, P189, P190
 Egg quality, M4, M43, P138, P148, P184
 Egg shape index, T106
 Egg storage, T124, P149, P150
 Egg temperature, M41
 Egg turning, P149
 Egg warming, P150

Eggs, T123, P146, P184
 Eggshell disinfection, M74
 Egg-shell quality, P190
 Eggshell sanitation, M40, T118
 Eimeria, M36, M86
 Eimeria tenella, M17
 Electrical stunning, M8
 ELISA, P130
 Embryo, T94
 Embryonic mortality, T106
 Endogenous phytase, T96
 Energy, M46, T102, T108
 Energy metabolism, M61
 Energy uplift, T115
 Energy/lysine ratio, P170
 Ensiling, P173
 Environment, P185
 Enzyme, M66, T102, T117, P188, P189
 Enzyme supplementation, T103, T116
 Enzymes, M25, P183
 Epidemiology, M58
 Epiphysiolysis, M62
 Equivalency, P172
Escherichia coli, P136
 Estradiol, M78
 Ethanol, M81
 Evaluation, M42, M44, M56
 Evolution, P135
 Excreta digestibility, P176
 Excretion, P139

F

Farmers, M42, T95
 Fat, M31, M62
 Fatty acids, P184
 Feather Cover, P178
 Fecal moisture, M35
 Feed, M65
 Feed conversion, M84, T105, T115
 Feed formulation, P167
 Feed manufacturing, P153
 Feed program, T119
 Feeding, M4
 Feeding program, M76
 Feeding systems, M31
 Femoral head necrosis, M62
 Femur ash, T101
 Fertility, T119
 Fines, M31, M65
 Finishing broilers, M56
 Flaxseed, M7
 Folacin, M68
 Follicle, M10
 Food and Drug Administration, M81
 F-strain *Mycoplasma gallisepticum*, M3
 FTU, P177
 Full fat oilseeds, P184
 Fungal enzymes, P156
 Fungi, T113

G

Gait score, T112
 GalliPro®, M71
 Gangrenous dermatitis, M64, P133
 Gelatin, M24
 Gene expression, M30, M47, P151
 Genome, P126
 Genotype, P129
 Gentamicin resistant, P143

Ghrelin, M12
 Gizzard size, P153
 Glutamine, P175
 Glycerin, M21, M80
 Glycine, M22, M26, P179
 Grains, P173
 Groundnut pod, P156
 Growth, T114, P172, P173
 Growth performance, P175
 Growth response, M56, M72
 Guanidino acetic acid, M84
 Guar meal, M17
 Gumboro, P135
 Gut health, M28

H

H5N1, T93
 H5N1 virus, P127
 Haematology, M72
 Half carcass rinse, P141
 Hatch, M79
 Hatchability, M74, T106, T118, P149, P150, P154
 Hatchery, P148
 Hemicell, T115
 Hen, P182
 HIMP, M5
 Households, M29
 Hydrogen peroxide, M40
 25-hydroxycholecalciferol, M3
 Hypocholesterolemic mechanisms, M16

I

Ibadan, M29
 IBDV, T87, T88, P135
 Ideal protein, P191, P193, P194
 IFN- α , P132
 Ileal flora, M71
 ILTV, P131
 Immature oocyte, M13
 Immunity, M61
 Immunoglobulins, M86
 In ovo nutrition, M34
 Incorporation, M16
 Incubation, M32, M33, M41, T121, T124, P150
 Incubational egg weight loss, M14
 Infectious bronchitis viruses, T90
 Influenza, T93, P130
 Information, T95
 Inoculation, M3
 Interaction, T88
 Intestine, P153
 Isoleucine, P164
 IU, P177

K

Keratinase, T104
 Kestin gait score system, T112
 Kola pod husk, M44

L

Laryngotracheitis, T91
 Laser, P154
 Lauric acid, M6
 Layer, T122, T123
 Layer breeder, T106
 Laying hens, M16, M18, M19, M43 M51, M81, T110, T105, P168, P178
 Leg health, T121
 Lesser mealworm, M38, P131, P152

Light intensity, T111, P140
 Lime, P144
 Lineage, P129
 Linear programming, P167
 Lipogenesis, M47
 Litter, M39, M66, P144
 Live Performance, M45
 Liver, M67
 Liver glycogen, M14
 Liver lipid, M14
 Livestock, M29
 L-Lysine HCl, M20
 Low crude protein, M26, P180
 L-Threonine, M20
 Lysine, M22, M48, M49, M50, P166, P170

M

M2e, T94
 Male broiler breeders, M1
 Malignant edema, M64
 Manganese proteinate, P161
 Manganese sulfate, P161
 Mannan, M83
 Mannoproteins, P162
 Manure, T110, P168
 Manure content, P147
 Marker, P143
 Mating behavior, M79
 ME intake, P145
 Meat quality, M84
 Meta-analysis, M69
 Metabolic compound, M34
 Metabolic hormones, M47
 Metabolizable energy, M45
 Methionine, M50
 Mexico, P129
 Microarray, P132
 Microarray analysis, M30
 Microparticle, P137
 Minerals, P186, P190
 MLST, M64
 Mmetabolizable energy, M80
 Moisture, M39
 Molt, P182
 Molting, M4
 Mortality, M76, T105, P154
 MUC2, P160
 Mucin, P160
 Mx1, P132
Mycoplasma gallisepticum, M3, P125, P128
 Mycoplasmosis, P125, P128

N

Narasin, M82
 Natustat, M57
 Necrotic enteritis, M57, M70, T109
 Newcastle disease virus, P129
 Nigeria, M29, T95
 Nitrogen mass balance, M39
 Nonlinear model, P145
 Nonphytate phosphorus, T101
 Non-starch polysaccharides, P158
 NSP, P158
 Nutrient density, P155
 Nutrient metabolism, T100
 Nutrient requirements, M46, P166
 Nutrient retention, M25
 Nutrient transport, M32
 Nutrition, M52, M53

Nutritional requirement, P194
 Nutritive, M15

O

Occupation trend, T105
 Oocyst, M36
 Oocyste, M17
 Oocyte isolation, M13
 Organic manganese, P161
 Organic minerals, P168
 Organic trace minerals, T121, P185, P187
 Organic zinc, T120
 Organization, M73
 Ozonation, M37

P

P. lycii, T99
 Participatory, M42
 Particle size, P153
 Pathogenesis, T93
 Pathology, M1
 PCR, M58
 Peas, P159
 Pectin, M60
 Performance, P180
 Pellet Durability Index, P171
 Pellet quality, M31
 Pelleting, M2, T104, P171, P195
 Pelleting efficiency, P171
 Pellets, M65
 Peptides, P169
 Peptiva, P169
 Performance, M23, M28, M33, M37, M44, M55, P156, P157, P187, P191, P193, P194
 Peri-Urban, M29
 Phospholipids, M7, M68
 Phosphorus, M35, T97, P192
 Photoperiod, T111
 Phylogeny, T87
 Phytase, M3, M23, M35, T97, T98, T99, T100, T101, P172, P177, P192, P195
 Phytate, T98, P188, P189
 Phylogenetic, T109
 Plants, M15
 Pododermatitis, T107, P165
 Polyunsaturated fatty acids, M7
 Potassium hydroxide, M6
 Poul quality, M28
 Poultry, M54, M73, T92, T95, T123, P136, P154
 Poultry fat, M21
 Prediction equation, P145
 Primalac, P155
 Probiotic, T109
 Processing, M6
 Production control, M52, M53
 Production performance, P164
 Productive parameters, P163
 Protease, T104
 Protein, M46
 Protein source, P176
 Proteinates, P168
 Protexin[®], M59, M60
 Pullet, P128
 Pullet nutrition, M77
 Pullet rearing, M77

R

R. capsulatus, M16
 Real-time PCR, T91, P131

Real-time RT-PCR, T89
 Recombinant hemagglutinin, P130
 Recombinant vaccine, T92
 Replication, T88
 Requirement, M26, T120, P190, P191, P193
 Reverse genetics, T87
 RIA, M12
 Rooster, M51
 RT-PCR, P132, P137
 Runting-stunting syndrome, P187
 Rural community-based, M73

S

S. cerevisiae, M85
Saccharomyces cerevisiae, P163, P175, P176
Salmonella spp., P134
Salmonella, M5, M57, M58, M59, M60, M74, P138, P141
Salmonella enteritidis, P134
Salmonella sampling, P134
Salmonella Typhimurium, M38, P152
 SE, M58
 Selenite, M67
 Selenium, P178
 Selenium yeast, M67
 Semen, M1
 Sensitivity analysis, P167
 Sentinel chickens, T91
 Serum biochemistry, M72
 Serum chemistry, M62
 Shaking, M41
 Single Comb White Leghorn, P164
 Skin quality, P165
 Small intestine, M9
 Sorghum, M54
 Soya, T116
 Soybean meal, M83, M66, T117
 SPA, P128
 Specific gravity, P146
 Spent tea leaf, M55, M56
 Spray, T122
 Spreading, P127
 Standardized amino acid digestibility, M51
 Standardized ileal digestibility, P159
 Starter diet, M76
 Starter period, P180
 Stimulant, M34
 Stochastic programming, P167
 Storage, P142
 Strain, P182
 Strains, P170
 Stress, T111
 Sulfur amino acids, M22, P191
 Sunflower, M66
 Supermarket, P138
 Supply management, M52, M53
 Susceptibility, P127
 Synbiotic, M60, P157

T

Tannins, P173
 Temperature, P177
 Testes, M1
 Thermostability, M2, T96
 Thermo-tolerant, T98, P195
 Threonine, P160
 Thyroid hormone, M78
 Tight junction, M9
 Time of hatch, M14
 Time of weigh, M75

Tissue, P185
Tissue culture origin, T91
Trace minerals, P178, P168
Transportation, M32, M33
Tropism, P126
Turkey, M9
Turmeric, P151
Turning, M41, T124
Typing, M58

U

Ultraviolet light, M40, T118
Uric acid, M22, M27
Urine, M35
US gait score system, T112
Utilization, M50, M55, T95

V

Vaccination, M24, T122, T123, P139
Vaccine, M36
Vaccine stabilizer, P128
Vacuum stunning, M8
Vector, T94
Vegetable diets, M84
VG/GA strain, P126
Villi height, P162
Virginiamycin, M81
Virulence, P129, P135, P136
Virus, T93
Virus isolation, T91

Visual scoring, T114
Vitamins, P186
Volume, M34
VP2, T87
VP5, P135

W

Water holding capacity, P142
Welfare, T111
Well-being, P140
Wheat, T96, T116, T117, P159
Wheat middlings, P192
Withdrawal, M82

X

Xylanase, T102

Y

Yeast, T92
Yeast cell component, P175
Yeast cell walls, M85, P163
Yeats cell walls, P162
Yield, M45
Yolk sac infection, P136

Z

Zinc, T120, P178
Zinc sulfate, T120
Zona pellucida, M11