MONOGASTRIC NUTRITION & MANAGEMENT

MONOGASTRIC

- SINGLE STOMACH, like people
- PIGS, CHICKENS, DUCKS, GEESE
- CANNOT DIGEST CELLULOSE WELL
- NOT VERY COLD TOLERANT
- Also Rabbits Horses (large cecum)

FEEDING

BALANCED DIET

- ENERGY grain (wheat, barley, oats, other, fat)
- PROTEIN Legumes (peas, beans, soy, meat)
- Minerals, Calcium, Phos, many others
- Micro Nutrients
- Vitamins, A, D, E, C etc
- 40 plus known nutrients
- WATER, CRITICAL

Most Limiting Nutrient
POULTRY NUTRITION
• Not Mammals
• Do Not Nurse From Mothers
• Need very Good Starter
• Birds Have a Crop (storage, impaction)
• Gizzard (small rocks, grit help digest)

PIGS
• Mammals, mother can provide early diet
• Can wean naturally (6 plus weeks)
• Gradually piglets wean themselves
• Still need high protein to start

YOUNG ANIMALS
• High Protein, 19-25%
• High Energy, Wheat, Fat
• Very Digestible Think of young children
• Can wean naturally, less expensive feed
• Does not work for chickens

FORAGES & MONOGASTRICS

Forages
• Young digestible forage better
• Older animals easier to digest
• Leader follower works best (disease & parasite break)
• Add flavor, texture to meat
• Electric fencing, netting

MAKING FEED
• Can Buy Complete Feed (easy, expensive)
• Below need equipment
• Can Buy Supplement (add grain)
• Can Buy Ingredients and mix own
• Can grow all needs except minerals and micros
PIGS DO NOT SWEAT

PIGS REMOTE

WINTER FARROWING

ELECTRIC FENCING
POULTRY MANAGEMENT

ELECTRIC NETTING

LAYERS & NESTS

PASTURE BROILERS
LIVESTOCK HOUSING

- Well insulated
- Probably heat, or else wet
- Ventilated, could be simple
- Lots of bedding, covers up much evil
- Make easy to clean
- Deep bedding

Laying Barns

- Winter, warm and insulated
- Summer, could be outside
- Nests simple, home made, bedded
- Water, nipples best
- Lighting 14-16 hours, timer
- Clean bedding

Broiler Facilities

- Winter, warm, insulated
- Summer, could be outside
- Water
- Feed

Predators

- Barns, enclosed
- Outside, electric fence, guard dogs
- Birds, Coyotes, Dogs, Weasels
BARN CAN BE ANYTHING

SIMPLE STRUCTURE

EASY ACCESS NESTS

RABBITS