

# FEEDING CHICKENS

- Properly feeding your chickens is one of the most important things you can do.
- Proper nutrition will ensure that the hens continue to lay good, strong, nutritious eggs for you and your family.

Good nutrition helps produce those good show winners!





# **FEED COMPONENTS**



<u>Ingredients</u>	% In Diet	<u>Use</u>	
Corn	50-60%	Energy	
Soybean Meal	20-30%	Protein	
Distillers Grains	5-20%	<b>Energy and Protein</b>	
Limestone	4-7%	Calcium/Egg Shell	
Phosphorus	0.3-0.5%	Calcium/Egg Shell	
Oil	1%	Energy	
Salt	0.40-0.60%	<b>Bodily Functions</b>	
Vit. and Minerals	0.3050%	<b>Bodily Functions</b>	
Amino Acids	0.30-1.5%	Protein	



# OTHER FEED INGREDIENTS

# **Energy**

Corn Wheat Sorghum(Milo) Distillers Grains



# <u>Calcium</u>

Limestone Oyster Shell Egg Shells



#### **Protein**

Meat and Bone Meal Feather Meal Sunflower Meal Fish Meal Distillers Grains



### <u>Fat</u>

Vegetable Oil (Corn or Soy)

Poultry Fat Beef Tallow





## PURPOSE OF THE INGREDIENTS

#### **Energy (Carbohydrates)**

Bodily Functions Digestion Egg Laying



**Protein** 

Muscle Formation

Egg Formation

Cell Membrane Formation

**Feather Formation** 

#### Calcium

Bone Formation
Bone Maintenance
Eggshell Formation



Fatty Acids (Omega 3 or 6)

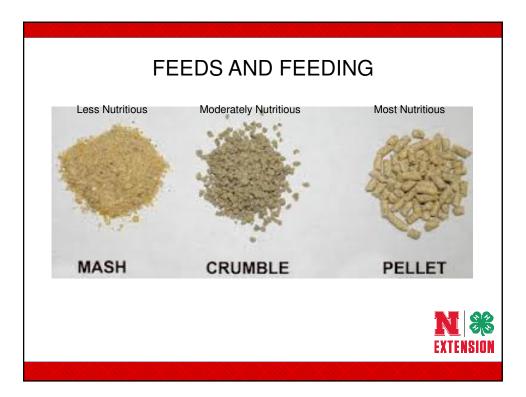
Energy

# VITAMINS AND MINERALS

- Needed in very small amount
- · Essential to the health of the bird
- Macro minerals
   Calcium, Phosphorus, Sodium Chloride (Salt)
- Micro minerals
   Manganese, Cobalt, Selenium, Magnesium, Iron etc.
- Vitamins

Vitamins A, E, D<sub>3</sub>, K (Fat Soluble) Vitamins B (Niacin, B<sub>12,</sub> Biotin, Riboflavin) Vit. C (Water Soluble)





# FEEDS AND FEEDING

- Chickens should have access to feed at all times
- Some supplementation with table scraps is okay but should not be the bulk of their diet.
- Grass and insects are beneficial feedstuffs for chickens.
- Depending on the breed, age and weather, your hen will eat between 110-250 grams of feed per day.

(0.24 - 0.55 lbs of feed per day).

- Oyster shell or grit is recommended for proper digestion and calcium levels.
- · Always provide clean, fresh water daily.



# FEEDS AND FEEDING

To ensure proper nutrition:

Check bag labels to ensure you are feeding the right feed to the right aged birds.

Do not feed moldy or insect-infested feed.

Keep feed away from rodents or birds.

Medicated vs Non-Medicated

Medicated feed often has Amprolium which is used to prevent coccidiosis. It is not harmful to humans.

# LAYING HEN VS BROILER DIETS

<u>Ingredient</u>	<u>%</u>	
Corn	60.0	
Soybean Meal	28.0	
Fat (Oil)	2.0	
Limestone	7.8	
Dicalcium Phosphate	1.0	
Salt	0.35	
Vit./Mineral Premix	1.0	
Methionine	0.10	
<u>Total</u>	<u>100.0</u>	
	2860	
Energy	Kcal/kg	
Crude Protein	18.6	
Calcium	3.30-4.40	
Av. Phophorus	0.41	
Sodium	0.19	
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	%	%	%
	Starter	Grower	Finsher
Ingredient	1-14 d	15-28 d	29-49 d
Corn	43.69	37.42	30.86
Soybean Meal	35.67	31.46	22.84
Wheat	15	25	40
Oil	1.83	2.35	2.37
Dicalcium Phos.	1.3	1.19	1.18
Limestone	1.23	1.31	1.37
Salt	0.3	0.3	0.3
Vitamin Premix	0.25	0.25	0.25
Mineral Premix	0.25	0.25	0.25
DL-Methionine	0.32	0.3	0.32
L-Lysine	0.17	0.18	0.26
Total	100%	100%	100%
Energy	2950	3000	3050
Crude Protein	2330	21	18
Calcium	0.86	0.86	0.86
Av. Phosphorus	0.43	0.43	0.43
Sodium	0.14	0.14	0.14



### **EXTRAS**

- Should not be the main component of the diet
- Types of Treats:
  - Table Scraps (No meat products)
  - o Fruit
  - Vegetables
  - Sunflower seeds (Oil from seeds is great for show birds)
  - o Scratch Grains (Cracked Corn, Milo, Oats)
  - o Insects, grass, weeds.





# **DOLLARS AND CENTS-EGGS**

- 50 lbs of feed = \$15 and 3 lbs of feed per doz. eggs
- \$15 per bag / 50 lb bag of feed = \$0.30 per lb of feed
- Assuming 3 lbs to produce 1 dozen eggs x \$0.30 per lb feed
- Equals \$0.90 to produce 1 dozen eggs for one hen.

Equaling ~ \$0.08 per egg!



## **DOLLARS AND CENTS-BROILERS**

- Assuming 50lbs at \$15.00 per bag
- The cost is roughly \$.30 per lb of feed
- A 6 lb broiler will consume around 12 lbs of feed.
- Thus, 12 lbs x \$.30 per lb = \$3.60 per broiler in feed costs.
- \$3.60 / 6 lbs = \$.60 per lb of muscle.
- Other factors like weather, space, etc. can influence these figures.

# **WELFARE**

- Maintain a balanced and complete diet.
- · Avoid extra items that off balance the feed
- Proper nutrition eliminates nutritional deficiencies.
- Keep feed dry and away from rodents, insects and birds.
- Maintaining proper protein and amino acid levels decreases bird cannibalism.







# THANK YOU! QUESTIONS?



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