

# NDF IN POULTRY NUTRITION

## NEUTRAL DETERGENT FIBRE – SMARTER THAN CRUDE FIBRE

### Key Benefits of Insoluble Fibre



#### 1 Digestive Health

- ✓ Activates the gizzard
- ✓ Improves nutrient digestibility
- ✓ Increases retention time  
(Hetland et al., 2003)

#### 2 Bird Welfare

- ✓ Reduces feather pecking & stress
- ✓ Promotes natural foraging behaviour  
(Van Krimpen et al., 2005)




#### 3 Litter & Faeces Quality

- ✓ Increases faecal dry matter
- ✓ Reduces dirty eggs  
(Choct, 1997; Amerah et al., 2005)

### Why Crude Fibre Isn't Enough

- ▶ Misses part of the fibre fraction
- ▶ Underestimates physiological effects
- ▶ NDF gives a clearer nutritional picture  
(Van Soest, 1963)

### Why Include NDF?

-  Better reflects the insoluble fibre fraction
-  Supports digestive function
-  May reduce feed costs depending on raw materials

### Takeaway

#### Formulating with NDF:

- ✓ Supports gut health
- ✓ Improves welfare
- ✓ Optimises performance



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