



Mi Universidad

Ensayo

Nombre del Alumno: Noremy Abigail Trujillo Sánchez

Nombre del tema: Balance de alimentos

Parcial: 2do

Nombre de la Materia: Zootecnia aves y porcinos

Nombre del profesor: SANDRA EDITH MORENO LOPEZ

Nombre de la Licenciatura: Medicina Veterinaria Zootecnista

Cuatrimestre: 6to

(Porcino)

Ingredientes	Requerimiento % MS	13 % % PC	kg	0.75
Rastrojo	86	3	25	$(25) / 100 = 0.25$
Maiz	88	8	3	$(3) / 100 = 0.03$
Pericarpio	86	3	3	$(3) / 100 = 0.03$
C Comercial	90	16	15	$(15) / 100 = 0.15$
P. Cacahuete	96	32	20	$(20) / 100 = 0.20$
S. Refresca	90	-	1	
S. Blanco	95	-	1	
H. Hueso	95	-	1	
Sorgo	88	8	2	$(2) / 100 = 0.02$
			71	10.04

100 kg → 13 % PC
 71 → 10.04 % PC
 29 → 2.96 % PC
 100 kg → x = 10.20

3 $(5.8 \times 100) / 15 = 99.61$
 16 $(7.2 \times 100) / 13 = 55.38$
 13 99.99

$(44.61 \times 29) / 100 = (12.93 \times 3) / 100 = 0.38$
 $(55.38 \times 29) / 100 = (16.06 \times 16) / 100 = 2.56$
 28.99 2.94

10.04 + 28.99 = 39.03
 2.94 2.94
 12.98 99.99

Requerimiento 24 % pc (1-5 scm)

- Mantaden	60.5] 100 %	- 60 % = 0.6 x 60.5 % = 36.3
- H. Grano	26		- 40 % = 0.4 x 26 % = 10.4
- C. Aruca	2.9		46.7 (191)

C. Aruca	2.9	24 %	22.7
191	46.7		21.1
			<u>43.8</u>

$$(21.1 \times 100) / 43.8 = 48.17$$

$$(22.7 \times 100) / 43.8 = (51.82 \times 2.9) / 100 = 1.50 \% pc$$

$$\text{- Mantaden } (60 \% \times 48.17) / 100 = (28.90 \times 60.5) / 100 = 17.48 \% pc$$

$$\text{- H. Grano } (40 \% \times 48.17) / 100 = (19.26 \times 26) / 100 = 5.00 \% pc$$

1.50

17.48

5.00

23.98

Requerimientos 26 % pc
2.9 Mcal / kg

ACS

- Solventes 44 %
- Maizorca 7.8 %
- H. Carne 54.4 %
- Remolacha 6.1 %

2.79 (M1)

2.4 (M2)

44 26% $(18.2 \times 100) / 36.2 = (50.27 \times 3.69) / 100 = 1.85$

7.8 $(18 \times 100) / 36.2 = (49.72 \times 2.50) / 100 = 1.24$
36.2 2.79

54.4 26% $(19.9 \times 100) / 48.3 = (41.20 \times 2.54) / 100 = 1.04$

6.1 $(28.4 \times 100) / 48.3 = (58.79 \times 2.32) / 100 = 1.36$
2.4

2.79 2.9 $(0.5 \times 100) / 0.61 = 81.96$ (M1)

2.9 $(0.11 \times 100) / 0.61 = 18.03$
99.99

- Solventes $(50.27 \times 81.96) / 100 = 41.20$

- Maizorca $(49.72 \times 81.96) / 100 = 40.75$

- H. Carne $(41.20 \times 18.03) / 100 = 7.42$

- Remolacha $(58.79 \times 18.03) / 100 = 10.59$
99.96

Requerimientos 15% PC

Ingredientes	%	% PC	Kg
Maiz	88	(88 x 2) / 100 = 1.76	
Taiwan	29	(9.31 x 2) / 100 = 0.18	
Nabo	91	(40.6 x 15) / 100 = 6.09	
C. Comercial	90	(26 x 5) / 100 = 1.3	
Trigo	66	(10.2 x 3) / 100 = 0.30	
C. Ilucuo	95	- x 1 / 100 = -	
		28	9.63

$$\begin{array}{r}
 100 \text{ kg} \rightarrow 15\% \text{ PC} \\
 28 \rightarrow 9.63\% \text{ PC} \\
 \hline
 72 \\
 5.37\% \text{ PC}
 \end{array}$$

$$(5.37 \times 100) / 72 = 7.45$$

$$100 \text{ kg} \rightarrow x = 7.45$$

$$\begin{array}{r}
 40.6 \quad 7.45 \quad (11.86 \times 100) / 35.01 = 5.31 \\
 9.31 \quad \quad (3.15 \times 100) / 35.01 = 99.68 \\
 \hline
 35.01 \quad \quad 99.99
 \end{array}$$

$$(5.31 \times 72) / 100 = (3.82 \times 40.6) / 100 = 1.55$$

$$\begin{array}{r}
 (99.68 \times 72) / 100 = (68.16 \times 9.31) / 100 = 6.34 \\
 \hline
 71.98 \quad \quad 7.89
 \end{array}$$

$$\begin{array}{r}
 + 9.63 \\
 + 7.89 \\
 \hline
 17.52
 \end{array}$$

$$\begin{array}{r}
 + 71.98 \\
 + 28 \\
 \hline
 99.98
 \end{array}$$