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**Nombre del trabajo: Balanceo de
raciones aves y porcinos**

Materia: Zootecnia de aves y porcino.

Grado: 6to.

**Grupo: Medicina veterinaria y
zootecnia.**

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Ra

Requerimiento 13% PC

Formula 100 kg

Ingredientes %ms % PC Kg

Dastado	86	3	20	$(20 \text{ kg} \times 3\% \text{ PC}) / 100 = 0.6$
maiz	88	8	10	$(10 \text{ kg} \times 8\% \text{ PC}) / 100 = 0.8$
Pericorpio	88	3	8	$(8 \text{ kg} \times 16\% \text{ PC}) / 100 = 1.28$
C. Comercial	90	16		
P. Cacahuete	90	32		
S. mineral	90	-	1	
S. blanca	95	-	1	
It Huevo	95	-	1	
Sorgo	88	8	17	$(17 \text{ kg} \times 8\% \text{ PC}) / 100 = 1.36$
			58 kg	4.04

$$100 \text{ kg} - 58 \text{ kg} = 42 \text{ kg}$$

$$13\% - 4.04\% \text{ PC} = 8.96\% \text{ PC} = (8.96\% \text{ PC} \times 100) / 42 \text{ kg} = 21.33\% \text{ PC restante}$$

Nuevo requerimiento

Pericorpio 3% PC

P. cacahuete 32% PC

$$\text{Pericorpio } 3\% \text{ PC} \quad (10.67\% \text{ PC} \times 100) / 29 = 36.79$$

$$\text{P. cacahuete } 32\% \text{ PC} \quad (18.33\% \text{ PC} \times 100) / 29 = 63.20$$

$$29\% \text{ PC} \quad 99.99$$

$$(36.79 \times 99 \text{ kg}) / 100 = 36.42$$

$$(63.20 \times 92 \text{ kg}) / 100 = 58.14$$

$$(15.95 \times 3\% \text{ PC}) / 100 = 0.46$$

$$(26.54 \times 32\% \text{ PC}) / 100 = 8.49$$

$$8.95$$

$$4.04$$

$$+ 8.95$$

$$12.99\%$$

1-5 semanas

Requerimiento Porcino
24% PC

$$\text{Pluma Harina } 86.4\% \text{ PC} \rightarrow 60\% = (0.6 \times 86.4\% \text{ PC}) = 51.84\% \text{ M1}$$

$$\text{Gluten } 41.0\% \text{ PC} \rightarrow 40\% = (0.4 \times 41.0\% \text{ PC}) = 16.4\%$$

$$\text{Quebrado } 8.7\% \text{ PC} \rightarrow 24\% = 68.24\%$$

$$\text{M1 } 68.24 \quad 15.3$$

$$\boxed{24\% \text{ PC}}$$

$$44.24$$

$$\text{Quebrado } 8.7\% \quad 59.54$$

$$\text{M1} = (15.3 \times 100) / 59.54 = 25.69$$

$$\text{Quebrado } (44.24 \times 100) / 59.54 = 74.30$$

$$99.99$$

Comprobación

$$\text{M1 } (25.69)$$

$$\text{Quebrado } (74.30 \times 8.7) / 100 = 6.46\% \text{ PC}$$

$$\text{P. H } (60\% \times 25.69) / 100 = 15.41\% \text{ PC}$$

$$\text{Gluten } (40\% \times 25.69) / 100 = 10.27\% \text{ PC}$$

$$6.46\% \text{ PC}$$

$$+ 15.41\% \text{ PC}$$

$$10.27\% \text{ PC}$$

$$32.14\%$$

Paro - 1

4-8 semanas

Requerimiento 26% PC

% PC

M

2.9 mcal/kg

M1

Mazorca 7.8

2.50 mcal/kg

$(2.50 \text{ mcal/kg} \times 7.8 \text{ PC}) / 100 =$

Centeno grano 12.6

2.71 mcal/kg

$(2.71 \text{ mcal/kg} \times 12.6 \text{ PC}) / 100 =$

M2

Amo 2 Pirlas 8.7

2.36 mcal/kg

$(2.36 \text{ mcal/kg} \times 8.7 \text{ PC}) / 100 =$

Des cas carillado 16.0

3.40 mcal/kg

$(3.40 \text{ mcal/kg} \times 16.0 \text{ PC}) / 100 =$

M1

Mazorca 7.8

26% PC

$(13.4\% \times (13.4\% \text{ PC} \times 100)) / 31.6\% = 42.40$

Centeno grano 12.6

$(18.2\% \times (18.2\% \text{ PC} \times 100)) / 31.6\% = 57.59$

$\frac{31.6\%}{99.99}$

M2

A.P 8.7

8.7

26% PC

$(10 \times 100) / 27.3 = 36.63$

Des cas carillado 16.0

$(17.3 \times 100) / 27.3 = 63.36$

27.3

99.99

M1

M $(2.50 \text{ mcal/kg} \times 42.40) / 100 = 1.06$

C.g $(2.71 \text{ mcal/kg} \times 57.59) / 100 = 1.56$

2.62

M2

A.P $(2.36 \text{ mcal/kg} \times 36.63) / 100 = 0.86$

D $(3.40 \text{ mcal/kg} \times 63.36) / 100 = 2.15$

3.01

M1 2.62 mcal/kg

$(0.11 \times 100) / 0.39 = 28.20$

2.9 mcal/kg

M2 3.01 mcal/kg

$(0.28 \times 100) / 0.39 = 71.79$

0.39

99.99

M' M $(42.40 \times 28.20) / 100 = 11.95$

C $(57.59 \times 28.20) / 100 = 16.24$

$+ = 28.19$

M2 AP $(36.63 \times 71.79) / 100 = 26.29$

D $(63.36 \times 71.79) / 100 = 45.48$

$+ = 71.77$

99.96

Patos reproductivos.

Requerimiento 15% P

Formula 100kg

Ingredientes	% ms	% PC	kg
Maiz	88	8.8	15 $(15 \times 8.8) / 100 = 1.32$
Taiwan	24	9.31	]]
Nabo	91	40.6	
C. Comercial	90	26	5 $(5 \times 26) / 100 = 1.3$
Trigo	86	10.2	20 $(20 \times 10.2) / 100 = 2.04$
C. Huevo	95	-	-
		40	9.66% PC

$$100 - 40 \text{ kg} = 60 \text{ kg}$$

$$15\% - 9.66 = (10.34\% \text{ PC} \times 100) 60 \text{ kg} = 17.23\% \text{ PC Pultante}$$

Nuevo Requerimiento

Taiwan	9.31	17.23% PC	$(23.37\% \text{ PC} \times 100) / 31.24 = 74.68$
Nabo	40.6		$(7.42\% \text{ PC} \times 100) / 31.24 = 25.31$
		31.24	99.99

$$(74.68 \times 60 \text{ kg}) / 100 = 44.80$$

$$(25.31 \times 60 \text{ kg}) / 100 = 15.18$$

$$59.98$$

$$(44.80 \times 9.31) / 100 = 4.17$$

$$(15.18 \times 40.6) / 100 = 6.16$$

$$10.33$$

$$\begin{array}{r} 4.66 \\ + 10.33 \\ \hline 14.99\% \end{array}$$