



**Mi Universidad**

**Balanceo de raciones**

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*Nombre del tema: Balanceo de raciones*

*Parcial: Segundo*

*Nombre de la Materia: Zootecnia en Aves*

*Nombre del profesor: Sandra Edith Moreno Lopez*

*Nombre de la licenciatura: Medicina veterinaria y zootecnia*

*Cuatrimestre: Sexto*

P. Cacahuete 45% PC 320 mcal/kg

Alfalfa arsa 17.5% PC 2.27 mcal/kg

Uabo 40.6% PC 2.20 mcal/kg

Grano maiz 8.8% PC 3.33 mcal/kg

M1

PC  $(17.2 \times 100) / 36.2 = 47.51$

45 26 PC

Gm  $(19 \times 100) / 36.2 = 52.48$   
3.33 36.2 99.99

M2

A.H 17.5  $(14.6 \times 100) / 23.1 = 63.20$

26 PC

Uabo

40.6 PC  $(3.5 \times 100) / 23.7 = 36.79$   
23.1 99.99

M1 3.20 mcal/kg  $\times 47.51 / 100 = 1.52$

Gm 3.33 mcal/kg  $\times 52.43 / 100 = 1.74$   
3.26

M2

$$AH \quad 2.27 \text{ mcal/kg} \times 63.20/100 = 1.43$$

$$Wabo \quad 2.20 \text{ mcal/kg} \times 36.79/100 = \underline{0.80}$$

2.23

M7

$$3.26 \text{ mcal/kg}$$

$$2.9 \text{ mcal/kg}$$

$$(0.67 \times 100) / 1.03 = 65.04$$

$$2.23 \text{ mcal/kg}$$

$$(0.36 \times 100) / 1.03 = \underline{34.95}$$

1.03

99.99

$$47.5 \times 65.04 / 100 = 30.90$$

$$52.48 \times 65.04 / 100 = 34.13$$

$$63.20 \times 34.95 / 100 = 22.08$$

$$36.79 \times 34.95 / 100 = \underline{12.85}$$

99.99

# Requerimiento 15% PC.

Ingrediente	%MS	%PC	kg
Maiz	88	8.8	20 $(8.8 \times 20) / 100 = 1.76$
Taiwan	24 $\leftrightarrow$	9.31	
Nabo	91	40.6	10 $(40.6 \times 10) / 100 = 4.06$
C. Comercial	90	26	18 $(26 \times 18) / 100 = 4.68$
Trigo	86 $\leftrightarrow$	10.2	10.5
C. Huevo	95	-	
			<u>52</u>

$$100 - 52 = 48 \div 100$$

$$15\% - 10.5 = 4.5 \times 9.37$$

$$T 9.31 \quad (0.83 \times 100) / 0.89 = 93.25$$

$$9.37$$

$$T 10.2 \quad (0.03 \times 100) / 0.89 = 6.74$$

$$0.89$$

$$93.25 \times 48 / 100 = (44.76 \times 9.31) / 100 = 4.16$$

$$6.74 \times 48 / 100 = (3.23 \times 10.2) / 100 = 0.32$$

$$4.48$$

$$+ 10.5$$

$$\underline{14.98}$$