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**Nombre del trabajo: Ejercicios en  
clases**

**PASIÓN POR EDUCAR**

**Materia: Zootecnia de aves**

**Grado: 6**

**Grupo: A**

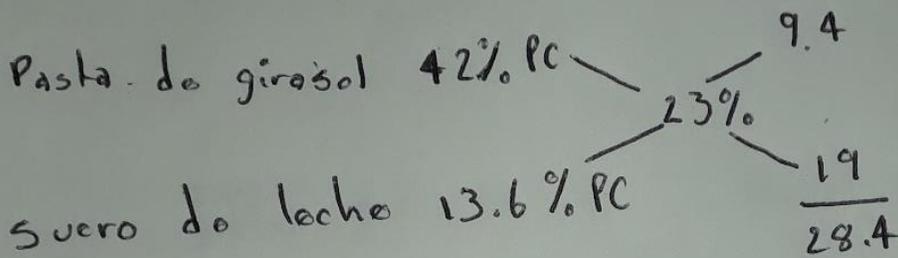
Ocosingo Chiapas a 19 de junio del 2020.

# Tarea 1

## Ingredientes

Pasta de girasol 42% PC  
 Suero de leche 13.6% PC

Requerimientos 23%



Partes de la ración

P.G.  $(9.4 \times 100) / 28.4 = 33.09\%$

+  
 S.L.  $(19 \times 100) / 28.4 = 66.90\%$   
99.99%

## comprobación

Pasta de girasol  
 100% 42% PC  
 33.09%  $x = 13.89\%$

Suero de leche  
 100% 13.6% PC  
 66.90%  $x = 9.09\%$

$13.89\% \text{ PC}$   
 $+ 9.09\% \text{ PC}$   


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 $22.98\%$

Requerimientos 22%

# Tarea 2

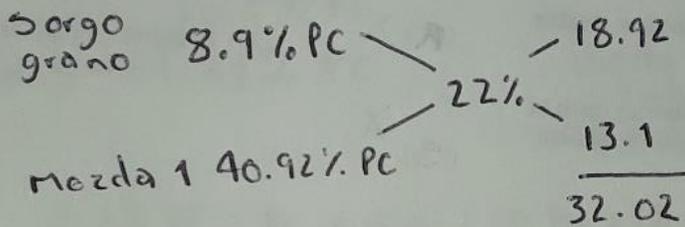
Gluten	41%
Pasta de algodón	40.9%
Sorgo grano	8.9%

Gluten: 20%  
0.2

Pasta de algodón: 80%  
0.8

Mezcla 1

$$0.2 \times 41\% \text{ PC} + 0.8 \times 40.9\% \text{ PC} = 40.92\% \text{ PC}$$



Partes de la ración

$$\text{Sorgo grano } (18.92 \times 100) / 32.02 = 59.08$$

$$\text{mezcla 1 } (13.1 \times 100) / 32.02 = \frac{40.91}{99.99}$$

Gluten

100%	40.91%
20%	x = 8.18

$$\begin{array}{r} 8.18 \\ + 32.72 \\ \hline 40.9 \end{array}$$

Pasta de algodón

100%	40.91
80%	x = 32.72

Comprobación

Gluten

100%	41% PC
8.18%	x = 3.35% PC

Pasta de algodón

100%	40.9% PC
32.72%	x = 13.38% PC

Sorgo grano

100%	8.9%
59.08%	x = 5.25% PC

$$\begin{array}{r} 3.35\% \\ 13.38\% \\ 5.25\% \\ \hline 21.98\% \end{array}$$

Tarea 31

Ingredientes Kg  
 Hna. de hueso 1 kg  
 Aceite de soja 10 kg  
 Hna. de pluma 7 kg (86.4% PC)  
 Soja en grano 10 kg (37% PC)  
                   28 kg  
 Complementar con:  
 Grano de trigo 10.2% PC  
 Pasta de girasol 42% PC

Requerimiento 23%

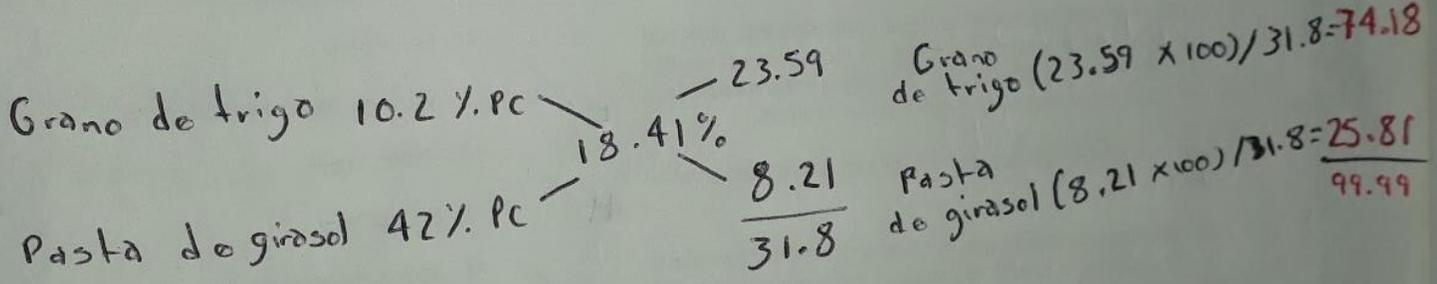
Hna. pluma  
 100 kg 86.4% PC  
 7 kg x = 6.04%  
 Soja en grano  
 100 kg 37% PC  
 10 kg x = 3.7%

6.04% PC  
 + 3.7% PC  
 9.74% PC

100 kg  
 - 28 kg  
 72 kg falta

23%  
 - 9.74%  
 Falta → 13.26% PC

$(13.26\% \text{ PC} \times 100) / 72 \text{ kg} = 18.41\%$



Comprobación

Grano de trigo  
 100 kg 74.18%  
 72 kg x = 53.40%

Hna. pluma  
 100% 86.4% PC  
 7 kg x = 6.04%

Soja en grano  
 100% 37% PC  
 10 kg x = 3.7%

Pasta de girasol  
 100 kg 25.81%  
 72 kg x = 18.58%

Grano de trigo  
 100% 10.2% PC  
 53.40 kg x = 5.44%

Pasta de girasol  
 100% 42% PC  
 18.58 kg x = 7.80%

53.40 kg  
 + 18.58 kg  
 71.98 kg

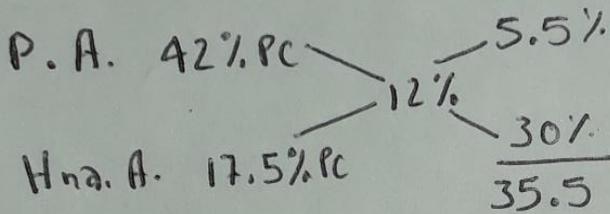
6.04%  
 + 3.7%  
 + 5.44%  
 + 7.80%  
 22.98% PC

Pavos concentrado Tarea 4  
de mantenimiento

Requerimientos  
12% PC Em 2.9 Mcal/kg

Ingredientes	%PC	Em Mcal/kg
- Ajonjolín, pasta	42	2.56
- Hna. alfalfa	17.5	2.27
- Pasta de girasol descascarillado	42	2.61
- Avena grano descascarillado	16	3.40

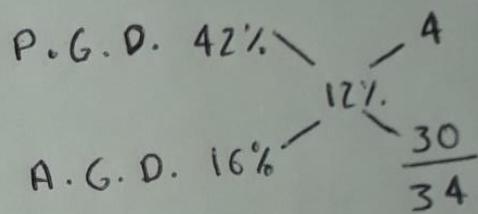
mezcla 1



- P.A.  $(5.5\% \times 100) / 35.5 = 15.49$   
 - H. A.  $(30\% \times 100) / 35.5 = 84.50$   
99.99

P.A.  $(2.56 \times 15.49\%) / 100 = 0.39$   
 H.A.  $(2.27 \times 84.50\%) / 100 = 1.91$   
2.3 kcal/kg

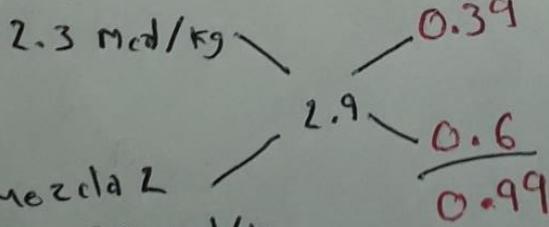
mezcla 2



P.G.D.  $(4 \times 100) / 34 = 11.76$   
 A.G.D.  $(30 \times 100) / 34 = 88.23$   
99.99

P.G.D.  $(2.61 \times 11.76\%) / 100 = 0.30$   
 A.G.D.  $(3.40 \times 88.23\%) / 100 = 2.99$   
3.29 kcal/kg

mezcla 1



P.A. 100% 39.39  
 15.49  $\times = 6.10 \text{ kg}$

Hna. A. 100% 39.39  
 84.50  $\times = 33.28 \text{ kg}$

P.G.D. 100% 60.60  
 11.76  $\times = 7.12 \text{ kg}$

A.G.D. 100% 60.60  
 88.23  $\times = 53.46 \text{ kg}$

mezcla 1  $(0.39 \times 100) / 0.99 = 39.39$   
 mezcla 2  $(0.6 \times 100) / 0.99 = 60.60$   
99.99

$6.10 + 33.28 + 7.12 + 53.46 = 99.96$