

Horse Diets

Formulate a daily ration (balanced for Lysine and DE) for a weaned growing horse (6 months old) weighing 245 kg. The daily requirements are: 17.0 Mcal DE, and 35.7 g Lysine. The roughage to be fed will be a mixture of 25% alfalfa and 75% orchardgrass hays. Feed the roughage at 1% of the body weight per day. Add vegetable oil at 0.5 kg per day. Other ingredients to be used are a mixture of 50% corn and 50% oats; and a mixture of 67% soybean meal and 33% molasses.

| Ingredient, DM basis | % Lysine | DE, Mcal/kg | |
|----------------------|----------|-------------|--|
| Corn | 0.23 | 3.84 | |
| Oats | 0.41 | 3.36 | |
| Alfalfa hay | 0.71 | 2.48 | |
| Orchardgrass hay | 0.54 | 1.90 | |
| Soybean meal | 2.90 | 3.40 | |
| Vegetable oil | 0 | 9.19 | |
| Molasses, beet | 0 | 3.20 | |

| Ingredient | Amount per day, kg DM | Lysine, g | DE, Mcal |
|------------------|-----------------------|-----------|----------|
| Requirements | ----- | 35.7 | 17.0 |
| Alfalfa hay | | | |
| Orchardgrass hay | | | |
| Corn | | | |
| Oats | | | |
| Soybean meal | | | |
| Vegetable oil | | | |
| Molasses | | | |
| Total | | | |