

# Ishrana u laktaciji

Ojagnjene dviske i ovce

# Dviske i ovce u kasnoj laktaciji

Dva jagnjeta

# Radna sveska za ishranu ovaca

- Potrebe - normativ 17.
- Tablica hraniva - obrazac 1.
- Formular za balansiranje obroka - obrazac 2.
- Izveštaj o izbalansiranosti obroka - obrazac 3.

# Primer obroka

- Telesna masa 70 kg
- Planinsko seno 1,5-2,0 kg
- Ovas (zrno) do 1,2 kg.
- Do 200 g uljanih sačmi.
- Maksimalni udeo SM iz koncentrata 40%.

# 17. Kasna laktacija, 2 jagnjeta

| TM, kg | Prirast, g/dan | SM, kg | SM, %TM | TDN, kg | SE, MJ | ME, MJ | UP, g | Ca, g | P, g |
|--------|----------------|--------|---------|---------|--------|--------|-------|-------|------|
| 50     | 90             | 2.1    | 4.2     | 1.36    | 25.121 | 20.515 | 304   | 8.9   | 6.1  |
| 55     | 90             | 2.2    | 4       | 1.43    | 26.377 | 21.562 | 311.5 | 9     | 6.35 |
| 60     | 90             | 2.3    | 3.8     | 1.5     | 27.633 | 22.609 | 319   | 9.1   | 6.6  |
| 65     | 90             | 2.4    | 3.7     | 1.565   | 28.889 | 23.655 | 326.5 | 9.2   | 6.8  |
| 70     | 90             | 2.5    | 3.6     | 1.63    | 30.145 | 24.702 | 334   | 9.3   | 7    |
| 75     | 90             | 2.55   | 3.4     | 1.66    | 30.564 | 25.121 | 339   | 9.4   | 7.2  |
| 80     | 90             | 2.6    | 3.2     | 1.69    | 30.982 | 25.539 | 344   | 9.5   | 7.4  |
| 85     | 90             | 2.65   | 3.1     | 1.72    | 31.401 | 25.958 | 348.5 | 9.55  | 7.6  |
| 90     | 90             | 2.7    | 3       | 1.75    | 31.820 | 26.377 | 353   | 9.6   | 7.8  |

# 17. Kasna laktacija, 2 jagnjeta

| TM, kg | Prirast, g/dan | SM, kg | SM, %TM | TDN, kg | SE, MJ | ME, MJ | UP, g | Ca, g | P, g |
|--------|----------------|--------|---------|---------|--------|--------|-------|-------|------|
| 50     | 90             | 2.1    | 4.2     | 1.36    | 25.121 | 20.515 | 304   | 8.9   | 6.1  |
| 55     | 90             | 2.2    | 4       | 1.43    | 26.377 | 21.562 | 311.5 | 9     | 6.35 |
| 60     | 90             | 2.3    | 3.8     | 1.5     | 27.633 | 22.609 | 319   | 9.1   | 6.6  |
| 65     | 90             | 2.4    | 3.7     | 1.565   | 28.889 | 23.655 | 326.5 | 9.2   | 6.8  |
| 70     | 90             | 2.5    | 3.6     | 1.63    | 30.145 | 24.702 | 334   | 9.3   | 7    |
| 75     | 90             | 2.55   | 3.4     | 1.66    | 30.564 | 25.121 | 339   | 9.4   | 7.2  |
| 80     | 90             | 2.6    | 3.2     | 1.69    | 30.982 | 25.539 | 344   | 9.5   | 7.4  |
| 85     | 90             | 2.65   | 3.1     | 1.72    | 31.401 | 25.958 | 348.5 | 9.55  | 7.6  |
| 90     | 90             | 2.7    | 3       | 1.75    | 31.820 | 26.377 | 353   | 9.6   | 7.8  |

### Obrazac 3. Balans obroka za ovce

| <b>Potrebe</b> | <b>SM, kg</b> | <b>TDN, kg</b> | <b>UP, g</b> | <b>Ca, g</b> | <b>P, g</b> |
|----------------|---------------|----------------|--------------|--------------|-------------|
| POTREBE(a)     |               |                |              |              |             |
| STANJE(b)      |               |                |              |              |             |
| BALANS(b/a)    |               |                |              |              |             |

### Obrazac 3. Balans obroka za ovce

| <b>Potrebe</b> | <b>SM, kg</b> | <b>TDN, kg</b> | <b>UP, g</b> | <b>Ca, g</b> | <b>P, g</b> |
|----------------|---------------|----------------|--------------|--------------|-------------|
| POTREBE(a)     | 2.5           | 1.63           | 334          | 9.3          | 7           |
| STANJE(b)      |               |                |              |              |             |
| BALANS(b/a)    |               |                |              |              |             |

Obrazac 1. Tablica hraniva

| Hranivo                                       | SM, %  | TDN, % | SE, MJ/Kg | ME, MJ/Kg | UP, % | Ca, % | P, %  |
|---|--------|--------|-----------|-----------|-------|-------|-------|
| Sejani travnjak (30% leguminoze), zelena masa | 13.00  | 64.52  | 12.18     | 9.77      | 17.12 | 0.90  | 0.33  |
| Sejani travnjak (30% leguminoze), seno        | 90.00  | 64.44  | 11.91     | 9.35      | 15.06 | 0.86  | 0.31  |
| Sejani travnjak (30% leguminoze), silaža      | 29.00  | 62.00  | 11.43     | 9.38      | 14.21 | 0.85  | 0.27  |
| Brdski travnjak, zelena masa                  | 13.00  | 58.73  | 10.74     | 8.91      | 8.83  | 0.62  | 0.18  |
| Brdski travnjak, seno                         | 95.00  | 41.00  | 10.72     | 8.79      | 5.60  | 0.61  | 0.18  |
| Brdski travnjak, silaža                       | 34.00  | 57.38  | 11.10     | 9.09      | 8.63  | 0.55  | 0.29  |
| Slama (raž)                                   | 90.00  | 40.00  | 8.29      | 6.82      | 3.00  | 0.24  | 0.09  |
| Melasa šećerne repe                           | 91.00  | 74.00  | 13.65     | 11.22     | 9.70  | 0.69  | 0.10  |
| Rezanci šećerne repe, suvi                    | 78.00  | 77.00  | 14.24     | 11.64     | 8.50  | 0.17  | 0.03  |
| Kukuruz, zrno                                 | 87.00  | 87.00  | 16.08     | 13.19     | 9.60  | 0.02  | 0.32  |
| Ječam, zrno                                   | 88.00  | 86.00  | 15.87     | 13.02     | 13.50 | 0.05  | 0.38  |
| Raž, zrno                                     | 88.00  | 85.00  | 15.70     | 12.85     | 13.80 | 0.07  | 0.37  |
| Ovas, zrno                                    | 91.00  | 66.00  | 12.18     | 10.01     | 13.10 | 0.00  | 0.00  |
| Pšenične mekinje                              | 89.00  | 71.00  | 13.11     | 10.76     | 17.10 | 0.13  | 1.38  |
| Stočno brašno, pšenično                       | 89.00  | 82.00  | 15.16     | 12.44     | 18.40 | 0.13  | 0.99  |
| Sirovi pivski treber                          | 25.00  | 70.00  | 129.37    | 10.59     | 29.40 | 0.33  | 0.55  |
| Punomasno zrno soje, termički tretirano       | 92.00  | 94.00  | 17.33     | 14.24     | 42.80 | 0.27  | 0.65  |
| Sojina pogača                                 | 90.00  | 85.00  | 15.70     | 12.85     | 47.70 | 0.29  | 0.68  |
| Sojina sačma                                  | 90.00  | 88.00  | 16.25     | 13.31     | 49.90 | 0.34  | 0.70  |
| Suncokretova sačma                            | 91.50  | 60.50  | 11.16     | 9.17      | 37.85 | 0.34  | 1.01  |
| Stočna so                                     | 100.00 | 0.00   | 0.00      | 0.00      | 0.00  | 0.00  | 0.00  |
| Dikalcijum fosfat                             | 97.00  | 0.00   | 0.00      | 0.00      | 0.00  | 22.00 | 19.30 |
| Stočna kreda                                  | 100.00 | 0.00   | 0.00      | 0.00      | 0.00  | 34.00 | 0.02  |



# Obrazac 2. Balansiranje obroka

| Hranivo                                       | Kg/dan       | SM, kg | TDN, kg | SE, MJ/Kg | ME, MJ | UP, g | Ca, g | P, g |
|---|--------------|--------|---------|-----------|--------|-------|-------|------|
| Sejani travnjak (30% leguminoze), zelena masa |              |        |         |           |        |       |       |      |
| Sejani travnjak (30% leguminoze), seno        |              |        |         |           |        |       |       |      |
| Sejani travnjak (30% leguminoze), silaža      |              |        |         |           |        |       |       |      |
| Brdski travnjak, zelena masa                  |              |        |         |           |        |       |       |      |
| Brdski travnjak, seno                         | 1.86         |        |         |           |        |       |       |      |
| Brdski travnjak, silaža                       |              |        |         |           |        |       |       |      |
| Slama (raž)                                   |              |        |         |           |        |       |       |      |
| Melasa šećerne repe                           |              |        |         |           |        |       |       |      |
| Rezanci šećerne repe, suvi                    |              |        |         |           |        |       |       |      |
| Kukuruz, zrno                                 |              |        |         |           |        |       |       |      |
| Ječam, zrno                                   |              |        |         |           |        |       |       |      |
| Raž, zrno                                     |              |        |         |           |        |       |       |      |
| Ovas, zrno                                    | 1.14         |        |         |           |        |       |       |      |
| Pšenične mekinje                              |              |        |         |           |        |       |       |      |
| Stočno brašno, pšenično                       |              |        |         |           |        |       |       |      |
| Sirovi pivski treber                          |              |        |         |           |        |       |       |      |
| Punomasno zrno soje, termički tretirano       |              |        |         |           |        |       |       |      |
| Sojina pogača                                 |              |        |         |           |        |       |       |      |
| Sojina sačma                                  | 0.12         |        |         |           |        |       |       |      |
| Suncokretova sačma                            | 0.08         |        |         |           |        |       |       |      |
| Stočna so                                     |              |        |         |           |        |       |       |      |
| Dikalcijum fosfat                             | 0.013        |        |         |           |        |       |       |      |
| Stočna kreda                                  |              |        |         |           |        |       |       |      |
| <b>UKUPNO</b>                                 | <b>3.213</b> |        |         |           |        |       |       |      |

# Obrazac 2. Balansiranje obroka

| Hranivo                                       | Kg/dan       | SM, kg      | TDN, kg     | SE, MJ/Kg    | ME, MJ       | UP, g         | Ca, g        | P, g        |
|---|--------------|-------------|-------------|--------------|--------------|---------------|--------------|-------------|
| Sejani travnjak (30% leguminoze), zelena masa |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Sejani travnjak (30% leguminoze), seno        |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Sejani travnjak (30% leguminoze), silaža      |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Brdski travnjak, zelena masa                  |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Brdski travnjak, seno                         | 1.86         | 1.77        | 0.72        | 18.94        | 15.54        | 98.95         | 10.78        | 3.18        |
| Brdski travnjak, silaža                       |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Slama (raž)                                   |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Melasa šećerne repe                           |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Rezanci šećerne repe, suvi                    |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Kukuruz, zrno                                 |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Ječam, zrno                                   |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Raž, zrno                                     |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Ovas, zrno                                    | 1.14         | 1.04        | 0.68        | 12.64        | 10.38        | 135.90        | 0.00         | 0.00        |
| Pšenične mekinje                              |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Stočno brašno, pšenično                       |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Sirovi pivski treber                          |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Punomasno zrno soje, termički tretirano       |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Sojina pogača                                 |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Sojina sačma                                  | 0.12         | 0.11        | 0.10        | 1.75         | 1.44         | 53.89         | 0.37         | 0.76        |
| Suncokretova sačma                            | 0.08         | 0.07        | 0.04        | 0.82         | 0.67         | 27.71         | 0.25         | 0.74        |
| Stočna so                                     |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| Dikalcijum fosfat                             | 0.013        | 0.01        | 0.00        | 0.00         | 0.00         | 0.00          | 2.77         | 2.43        |
| Stočna kreda                                  |              | 0.00        | 0.00        | 0.00         | 0.00         | 0.00          | 0.00         | 0.00        |
| <b>UKUPNO</b>                                 | <b>3.213</b> | <b>3.00</b> | <b>1.55</b> | <b>34.15</b> | <b>28.02</b> | <b>316.45</b> | <b>14.17</b> | <b>7.11</b> |

### Obrazac 3. Balans obroka za ovce

| <b>Potrebe</b> | <b>SM, kg</b> | <b>TDN, kg</b> | <b>UP, g</b> | <b>Ca, g</b> | <b>P, g</b> |
|----------------|---------------|----------------|--------------|--------------|-------------|
| POTREBE(a)     | 2.5           | 1.63           | 334          | 9.3          | 7           |
| STANJE(b)      | 3.0           | 1.5            | 316          | 14.2         | 7.1         |
| BALANS(b/a)    | 1.20          | 0.95           | 0.95         | 1.52         | 1.02        |