Pellets, Bales & Cubes

Food guarantee for your animals
Alfalfa, cereal straw and compound feed
EXPERIENCE

ALFALFA MONEGROS has been accumulating exemplary experience in the cultivation of alfalfa, as well as the management and transformation of its products for more than thirty years.

Hundreds of farmers and customers place their trust in us. Our firm farms more than 4,000 hectares. This figures prove a continuously rising business prestige. But, above all, they confirm our most solid criterion: guaranteeing our customers security and service.

Our company is located in Huesca, a province in the north-east of Spain, with varying landscape and climate, covering a territory of 15,600 km². Enormous waterfalls can be found in this limited space of land in the Pyrenees, which form a natural frontier with France. It is also a one hour car drive away from the Los Monegros desert, where the wildlife survives thanks to the water channelled from the magnificent Pyrenean mountains.
At our facilities in Sariñena (Huesca – Spain – Europe), which occupy more than 38,000 m², we process millions of tons of alfalfa each year, a considerable amount of which in the form of alfalfa granules or pellets and others in first quality bales of alfalfa.
Today, ALFALFA MONEGROS continues its expansion process because it offers customers personalised solutions. We speak the same language and we work in the same fields. We know what their expectations are and, consequently, what the ideal solutions are. We are aware of the product reliability.
FOOD GUARANTEE FOR YOUR ANIMALS

A continuous research process and production system guarantees a correct and nutritional diet for your animals.

ALFALFA MONEGROS produces:
- Pellets of 6 mm diameter, in bulk and big bag
- Cubes, 32 x 32 mm, in bulk and big bag.
- Bales of measures 2,200 x 1,100 x 820 mm, and weight 750 kg.
Tied with steel wire. 32 bales in a long container 40’ High Cube

QUALITY FROM START TO FINISH

At ALFALFA MONEGROS we perform an integral control of the entire alfalfa process. From the selection of the variety, seeding, irrigation and harvesting, to its correct transformation that adapts to each customer. Everything under the strictest quality controls and parameters.
SUPREME quality Dehydrated Alfalfa with a minimum 23% dry-matter protein content and a maximum 9% humidity, in a 6mm-diameter pellet format.

Higher production and quality in cow, sheep and goat’s milk. More health, growth, fertility and years of lifespan for animals. Balances and increases the protein and energy level in feed rations. Animals eat more and enjoy improved digestion. A source of protein, energy, vitamins and minerals. A source of Beta Carotene, Vitamin E, Omega 3 and Omega 6. Up to 25 metric tons per shipping container. In bulk and big bag. Non - GMO alfalfa / NO preservatives.

<table>
<thead>
<tr>
<th>ALFALFINE SUPREME 23</th>
<th>ALFALFINE SUPREME 23 CRUDE PROTEIN (%) IN PELLETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TN</td>
<td>TDN</td>
</tr>
<tr>
<td>[100% DM]</td>
<td>[90% DM]</td>
</tr>
<tr>
<td>Supreme</td>
<td>62 and up</td>
</tr>
</tbody>
</table>

**ALFALFA HAY TEST GUIDELINES IN USA AND CANADA**

| TDN | TDN | RFV | CP |
| [100% DM] | [90% DM] | [100% DM] | [100% DM] |
| Supreme | 62 and up | 55.9 and up | 185 and up | 23 and up |
| Premium | 60.5 - 62 | 54.5 - 55.9 | 170 - 185 | 20 - 22 |
| Good | 58 - 60 | 52.5 - 54.5 | 150 - 170 | 18 - 20 |
| Fair | 56 - 58 | 50.5 - 52.5 | 130 - 150 | 16 - 18 |
| Utility | Below 56 | Below 50.5 | Below 100 | Below 10 |

**AVERAGE RESULTS OF TEN LABORATORY ANALYSIS IN 2018**

<table>
<thead>
<tr>
<th>ANALYTIC CONSTITUENTS</th>
<th>AS FEED %</th>
<th>ON DRY MATTER %</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRY MATTER (DM)</td>
<td>90.03</td>
<td>100</td>
</tr>
<tr>
<td>CRUDE PROTEIN (CP)</td>
<td>21.24</td>
<td>23.59</td>
</tr>
<tr>
<td>CRUDE FIBER (CF)</td>
<td>16.33</td>
<td>18.14</td>
</tr>
<tr>
<td>CRUDE ASH</td>
<td>13.09</td>
<td>14.54</td>
</tr>
<tr>
<td>INSOLUBLE ASH (HCl)</td>
<td>1.32</td>
<td>1.47</td>
</tr>
<tr>
<td>ACID DETERGENT FIBER (ADF)</td>
<td>22.49</td>
<td>24.98</td>
</tr>
<tr>
<td>NEUTRAL DETERGENT FIBER (NDF)</td>
<td>27.57</td>
<td>30.62</td>
</tr>
<tr>
<td>ETHER EXTRACT</td>
<td>1.56</td>
<td>1.73</td>
</tr>
<tr>
<td>STARCH</td>
<td>2.26</td>
<td>2.51</td>
</tr>
<tr>
<td>TOTAL SUGARS</td>
<td>2.29</td>
<td>2.54</td>
</tr>
<tr>
<td>CALCIUM (Ca)</td>
<td>2.03</td>
<td>2.25</td>
</tr>
<tr>
<td>PHOSPHORUS (P)</td>
<td>0.21</td>
<td>0.23</td>
</tr>
<tr>
<td>POTASSIUM (K)</td>
<td>1.52</td>
<td>1.69</td>
</tr>
<tr>
<td>LYSINE</td>
<td>4.16</td>
<td>4.84</td>
</tr>
</tbody>
</table>

**NUTRITIONAL CALCULATIONS ON DRY MATTER**

| RELATIVE FEED VALUE (R.F.V.) | 210.96 |
| TOTAL DIGESTIBLE NUTRIENTS (T.D.N.) | 63.60 |
| ORGANIC MATTER DIGESTIBILITY (OMD %) | 70.02 |
| GROSS ENERGY (TE) (Kcal/kg DM) | 4,352 |
| METABOLISABLE ENERGY (ME) (Kcal/kg DM) - CORNELL | 2,872 |
| DIGESTIBLE ENERGY (DE) (Kcal/kg DM) - INRA | 2,326 |
| NET ENERGY, LACTATION (NEL) (Kcal/kg DM) - INRA | 1,352 |
| GROSS ENERGY (TE) (Kcal/kg DM) - INRA | 4,352 |
| L.I.F. LACTATION FORAGE UNIT - INRA | 0.80 |
| U.F.C. MEAT FORAGE UNIT - INRA | 0.70 |
| NDF (Neutral detergent fiber) (g/kg DM) - INRA | 551 |
| D.P.I. (Dietary Protein Index) (g/kg DM) - INRA | 113 |
| LYSINE RUMINANTS % - CORNELL | 3.1 |
| METHIONINE RUMINANTS % - CORNELL | 0.45 |
| LEUCINE RUMINANTS % - CORNELL | 0.92 |
| VALINE RUMINANTS % - CORNELL | 0.19 |
| LEUCINE RUMINANTS % - CORNELL | 3.5 |
| LEUCINE RUMINANTS % - CORNELL | 0.84 |
| TRYPTOPHAN % - CORNELL | 0.38 |
| CYSTEINE % - CORNELL | 0.97 |
| GLYCINE % - CORNELL | 0.39 |
| VALINE % - CORNELL | 1.2 |
| NIACIN mg/Kg - CORNELL | 48,49 |
| VITAMIN B12 mg/Kg - CORNELL | 12.95 |

SUPREME quality Dehydrated Alfalfa with a minimum 23% dry-matter protein content and a maximum 9% humidity, in a 6mm-diameter pellet format.
Animal feed product
Cows, sheep, goats, camels, horses, rabbits

- 100% dehydrated alfalfa in 6mm pellet format.
- Maximum humidity 9%. Hard dust-free, fine-particle-free pellets.
- Green color and guaranteed uniform quality through controlled standards and manufacture process.
- A natural source of protein, fiber, vitamins and minerals.
- Allows for diversification of ingredients for ration setting.
- Improved health and fertility of animals.
- Up to 25 metric tons per shipping container. In bulk and big bag.
- Non-GMO alfalfa / NO preservatives

Feed product for ruminant animals
Cows, sheep, goats, camels and horses

- 100% dehydrated alfalfa.
- 18% minimum protein dry matter content (CP) and 9% maximum humidity.
- Green color and premium quality.
- Source of protein, energy, fiber, vitamins and minerals.
- Increases milk production and quality.
- Dust-free and without wastage losses.
- Easy control of feed consumption. Easy to transport and handle.
- In cube format with measurements 32 x 32 millimeters (1.25 inches)
- Up to 25 metric tons per shipping container. In bulk and big bag.
- Non-GM alfalfa. Preservative free.
Animal feed product for milk-producing ruminants
Cows, sheep, goats and camels

RUMIALFA
100% long-fiber dehydrated alfalfa
Maximum humidity 12%

More effective alfalfa fibers
For better control of acidogenic rations
For increased dairy production

Special manufacture process that separates the fine particles and packs in 15% more effective fiber.
Fibers rich in potassium (K) and other minerals that ensure high DEB (Dietary Electrolyte Balance) for improved digestion.

Three quality categories:

<table>
<thead>
<tr>
<th></th>
<th>Crude Protein (CP)</th>
<th>Relative Feed Value (RFV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra</td>
<td>18 - 20</td>
<td>150 - 170</td>
</tr>
<tr>
<td>First</td>
<td>16.5 - 18</td>
<td>130 - 150</td>
</tr>
<tr>
<td>Second</td>
<td>15 - 16.5</td>
<td>Less than 130</td>
</tr>
</tbody>
</table>

Product format:
Dehydrated long-fiber alfalfa in 750 kilogram bales
Bale measurements 220 x 110 x 82 centimeters
24 metric tons in a shipping container.

Non-GM alfalfa. Preservative free.
Feed product for ruminant animals

Maximum humidity 8%.
In cubes measuring 32 x 32 millimeters (1.25 inches).
Easy to transport and handle. Dust-free and without wastage losses.
Easy control of feed consumption.
Up to 24 metric tons per shipping container. In bulk and big bag.
Cows, sheep, goats, camels and horses:
Provides long fiber for sustenance rations.
Non-GM. Preservative free.

ANIMAL-FEED PRODUCT ESPECIALLY SUITABLE FOR:
Cows, sheep, goats, camels and horses.

COMPOSITION (per Metric Ton):
Barley straw.

NUTRITIONAL INFORMATION:
- Fiber 36% (NDF 72% and ADF 46%)
- Protein 3.7%
- Sugars 3.8%
- Fat 1.6%
- Ash 8%
- Humidity 8%

GUIDELINES FOR FEEDING:
• ANIMAL WELLBEING:
  Optimal fortifying matter according to European legislation.
• PREBIOTIC EFFECT (encouraging optimal intestinal flora):
  The foodstuff’s fiber improves intestinal transit and fosters optimal microbial flora.
  Reduces risk of diarrhea and helps in overcoming it through its quality fiber content.
• COMPLEMENTARY FEED.

INSTRUCTIONS FOR USE:
Animal wellbeing: An optimal stock-feed according to European legislation.

SUITED FOR SPECIES:
Ruminants.

PACKAGING:
- Big-bag.
- In bulk.

STORAGE CONDITIONS.
Avoid damp environments.
BARLEY STRAW PELLETS

Feed product for ruminant animals

Maximum humidity 8%.
In 8 mm diameter pellets.
Easy to transport and handle. Dust-free and without wastage losses.
Easy control of feed consumption.
Up to 24 metric tons per shipping container. In bulk and big bag.
Cows, sheep, goats, camels and horses:
Provides fiber for sustenance rations.
Non-GM. Preservative free.

BARLEY STRAW PELLETS

TECHNICAL DATA SHEET

ANIMAL-FEED PRODUCT ESPECIALLY SUITABLE FOR:
Cows, sheep, goats, camels and horses.

COMPOSITION (per Metric Ton):
Barley straw.

NUTRITIONAL INFORMATION:
- Fiber 36% (NDF 72% and ADF 46%)
- Protein 3.7%
- Sugars 3.8%
- Fat 1.6%
- Ash 8%
- Humidity 8%

GUIDELINES FOR FEEDING:
• ANIMAL WELLBEING:
  Optimal fortifying matter according to European legislation.
• PREBIOTIC EFFECT (encouraging optimal intestinal flora):
  The foodstuff’s fiber improves intestinal transit and fosters optimal microbial flora.
  Reduces risk of diarrhea and helps in overcoming it through its quality fiber content.
• COMPLEMENTARY FEED.

INSTRUCTIONS FOR USE:
Animal wellbeing: An optimal stock-feed according to European legislation.

SUITED FOR SPECIES:
Ruminants.

PACKAGING:
- Big-bag.
- In bulk.

STORAGE CONDITIONS:
Avoid damp environments.
Supplementary feedingstuff for sheep for slaughter for mixing 50% with barley

**TECHNICAL DATA SHEET**

**RUM NUCLEUS OC-05**

**SUPPLEMENTARY FEEDINGSTUFF FOR SHEEP FOR SLAUGHTER**

**COMPOSITION**

Alfalfa's pellets; peas (wheat bran; corn gluten***; sunflower seed-extracted; Alfalfa flour; roasted soybean flour*; palm oil; calcium carbonate; sodium chloride).

* Produced from genetically modified roasted soybeans.

*** Produced from genetically modified maize.

**ANALYTICAL CONSTITUENTS**

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude protein</td>
<td>17.50 %</td>
</tr>
<tr>
<td>Crude fibre</td>
<td>14.00 %</td>
</tr>
<tr>
<td>Crude oils and fats</td>
<td>2.70 %</td>
</tr>
<tr>
<td>Crude Ash</td>
<td>8.00 %</td>
</tr>
<tr>
<td>Sodium</td>
<td>0.26 %</td>
</tr>
</tbody>
</table>

**ADDITIVES**

Vitamins, provitamins, and chemically defined substances having analogous effect:

- Vitamin A: E-672 2500 UI/kg
- Vitamin D₃: E-671 750 UI/kg
- Vitamin E or all-rac-alpha-tocopheryl acetate: 3a700 60 mg/kg

Trace elements or compounds of trace elements:

- Iron: E-1 3.00 mg/kg (Ferrous carbonate)
- Iodine: E-6203 0.80 mg/kg (Calcium iodate, anhydrous)
- Cobalt: E-3a404 0.30 mg/kg (Cobalt-based carbonate)
- Manganese: E-5 30.00 mg/kg (Manganese oxide)
- Zinc: E-6 20.00 mg/kg (Zinc oxide)
- Selenium: E-8 0.20 mg/kg (Sodium selenite)

**INSTRUCTIONS FOR USE**

Supplementary compound feed for adult animals at any production stage, to be mixed at 50% with any type of cereal and cereal straw at your own disposal.

Mix the core first with any type of cereal, in equal parts, and from the resulting mixture provide the following amounts per animal and day:

- Non-pregnant females and first two thirds of gestation: 475 grams.
- Females in mating, and last third of gestation: 925 grams.
- Females with 1 pup: 1,300 grams.
- Females with 2 pups: 1,700 grams.

Simultaneous administration with Vitamin D₃ is prohibited.

Keep in a fresh and moisture-protected environment.
Supplementary feedingstuff for sheep for slaughter

**RUM MIX OC-10**

**SUPPLEMENTARY FEEDINGSTUFF FOR SHEEP FOR SLAUGHTER**

**COMPOSITION**

- Corn**; alfalfa and fodder pellets; oats; peas (wheat bran; corn gluten***; sunflower seed-extracted; alfalfa flour; roasted soybean flour*; palm oil); calcium carbonate; sodium chloride.

* Produced from genetically modified roasted soybeans.
** Genetically modified.
*** Produced from genetically modified maize.

**ANALYTICAL CONSTITUENTS**

- Crude protein .............. 13.00 %
- Crude fibre ................ 11.00 %
- Crude oils and fats ........... 3.50 %
- Crude Ash ................... 6.50 %
- Sodium ...................... 0.10 %

**INSTRUCTIONS FOR USE**

Supplementary compound feed for adult animals at any production stage.

Administer water at free disposal, cereal straw at will and the following quantities of feed per animal per day, according to the production phase:

- non-pregnant females and first two thirds of gestation: 450 grams.
- females in mating, and last third of gestation: 900 grams.
- females with 1 pup: 1,275 grams.
- females with 2 pups: 1,650 grams.

Keep in a fresh and moisture-protected environment.
RUM SPECIAL OC-04

SUPPLEMENTARY FEEDINGSTUFF FOR SHEEP FOR SLAUGHTER

COMPOSITION
Corn**; oats; peas; cotton seed (wheat bran; corn gluten***; sunflower seed-extracted; Alfalfa flour; roasted soybean flour*; palm oil); beet molasses; sodium chloride; calcium carbonate.

* Produced from genetically modified roasted soybeans.
** Genetically modified.
*** Produced from genetically modified maize.

ANALYTICAL CONSTITUENTS

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude protein</td>
<td>10.30%</td>
</tr>
<tr>
<td>Crude fibre</td>
<td>6.90%</td>
</tr>
<tr>
<td>Crude oils and fats</td>
<td>4.50%</td>
</tr>
<tr>
<td>Crude Ash</td>
<td>5.60%</td>
</tr>
<tr>
<td>Sodium</td>
<td>0.16%</td>
</tr>
</tbody>
</table>

ADDITIVES

Vitamins, provitamins, and chemically defined substances having analogous effect:

- Vitamin A: E-672 2500 UI/kg
- Vitamin D₃: E-671 750 UI/kg
- Vitamin E or all-rac-alpha-tocopheryl acetate: 3α700 60 mg/kg

Trace elements or compounds of trace elements:

- Iron (E-1): 3.00 mg/kg (Ferrous carbonate)
- Iodine (E-2): 0.80 mg/kg (Calcium iodate, anhydrous)
- Cobalt (E-3): 0.30 mg/kg (Cobalt-based carbonate)
- Manganese (E-5): 30.00 mg/kg (Manganous oxide)
- Zinc (E-6): 20.00 mg/kg (Zinc oxide)
- Selenium (E-8): 0.20 mg/kg (Sodium selenite)

INSTRUCTIONS FOR USE

Supplementary compound feed for sheep.

Administer water at free disposal, dehydrated alfalfa or fodder with good protein value and the following quantities of feed per animal per day:

- Non-pregnant females and first two thirds of gestation: 300 grams.
- Females in mating, and last third of gestation: 650 grams.
- Females with 1 pup: 950 grams.
- Females with 2 pups: 1,250 grams.

Simultaneous administration with Vitamin D₃ is prohibited.

Keep in a fresh and moisture-protected environment.