Murcia Granada Goat Cross Trading

Feasibility reports
Construction and building and milking equipment
Rationing
Artificial Insemination
Manpower training
And other services required

Tel.: (+9821) 22599795 – 22599821 – 22599113
Address: Unit 5 N, No. 65, 6th Boostan St., Eslami St., Pasdaran Ave., Tehran, Iran
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یوزن طرح توجیهی
ساخت و ساز و تجهیزات ساختمانی و شهرسازی
جهت تهیه تلفیق مسئولی
امورش نیروی انسانی و سایر خدمات مورد نیاز

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A native breed originating in the semi-arid areas in south eastern Spain (Murcia, Almeria, Granada, and Alicante).

Murcia Granada goats are well adapted to the hot and dry conditions of the semi-arid areas and have the highest milk yield found in such climate. Currently, the number of Murcia Granada goats in Spain is 400’000, spreading over different areas of the country.
We can certify the purity of the breed:

1 / Goats are registered in the Genealogic Book.

2 / Study of the milk production of each goat. (registered in the Genealogic book)

3 / Goats come from farms free of:

3. a. Brucelosis
3. b. Tuberculosis
3. c. Scrapie
There are two varieties of Murcia Granada:

1 / Veguesi: This variety is found in irrigated and flat lands. The Veguesi goat is larger and a better milk producer than Montana. Coloration is similar for both varieties. Murcia Granada is a dual-purpose goat and is raised for both meat and milk production.

2 / Montana: This variety is found in mountainous areas.
Murcia Granada goat has a black to brown color skin and hair.

Does usually have short, thin hair; and buck’s hairs are longer.

Does don’t have horn, while bucks are horned.

Murcia Granada goat’s ears are of medium size and erect.

Body size: Medium
a. Doe: 50-55 Kg
b. Buck: 55-60 Kg

Murcia Granada does have well-shaped udders with well-placed teats.

02 / Characteristics:

پوست و موی پز مورسیا گرانادا سیاه تا قهوه‌ای است.

بژه‌های ماده معمولاً مویی کوتاه و باریک دارند و موی بژه‌ای نر بلندتر است.

بژه‌های ماده بدون شاخ هستند و بژه‌ای نر شاخ دارند.

اندازه گوش‌های این نژاد متوسط است و گوش‌ها به صورت استناده قرار می‌گیرند.

اندازه بدن: متوسط
الف. ماده‌ها: 50-55 کیلوگرم
ب. نرها: 55-60 کیلوگرم

شکل پستان پز نژاد مورسیا گرانادا بسیار خوب و محل قرار گیری سر پستان‌ها نیز بسیار مناسب است.
The excellent characteristics of the Murcia granada goat’s milk is worldwide recognised, based on the quantity of the grease and protein in its milk. It is, perhaps, the goat with the best cheesy performance of the world. The number of litres needed to prepare a kilogram of cheese is much less than other breed of goats.

Moreover, the goat’s milk is very digestive and it does not produce any milky allergy. For that reason, its milk is highly recommended to children, and elderly as well as sick people.

1 / High efficiency: High yield – low feed intake.

2 / Producing high-fat and high-protein milk.
Murcia Granada is the only breed of goat capable of maintaining its high yield under unfavorable food and environmental conditions. The harsh conditions won’t have a negative effect on the milk yield of Murcia Granada goat.

The Murcia Granada breed of goat is mainly bred in intensive or semi-intensive systems and under different weather conditions.

Throughout the year, the Murcia Granada goat grazes on natural pastures and bushes. Under critical conditions (shortage of pastures), commercial feed supplements or byproducts are used to feed the animal.

The superior milk yield of Murcia Granada breed has been proven worldwide.
Murcia Granada reproduction is not seasonal, giving it the advantage of producing milk throughout the year.

Does reach sexual maturity at the age of 8-10 months. Their body weight should be 33-35 kg and they usually give birth once a year.

Bucks reach sexual maturity at the age of 5-8 months and their mating age starts at 10 months. In natural mating, 25 does are bred to one buck.

Does’ conception rate is 90%.

The average first litter size is 1.7 and will reach an average of 2 in the next pregnancies.

Triplets are common in the fifth pregnancy.

The economic life span of Murcia Granada breed is 7 years.
Murcia Granada is primarily raised for milk production.

However, kids are an excellent source of meat production. 30% of goat farming revenue comes from meat production. Murcia Granada kids reach a body weight of 6-9 kg at the age of 45 days.

The mortality rate among Murcia Granada kids is low.

The kids have a mortality rate of 2-3% during their suckling period.
ACRIMUR (Asociación Española de Criadores de Cabras de Raza Murciano Granadina) is the Spanish National Association of Breeders of Murcia Granada Goat.
a. Breed preservation and improvement.

b. Genealogical registration of the breed.

c. Conducting official milk controls every 6 months.

d. Performing specific disease inspections (e.g. tuberculosis, brucellosis, scrapie).

e. ACRIMUR is the only organization issuing breed authenticity certificate for Murcia Granada goats.

f. ACRIMUR has everything under control to ensure the breeding of the best Murcia Granada goats.

Introducing Treseus as the exclusive agent of ACRIMUR (the Spanish National Association of Breeders of Murcia Granada Goat).

80 / Responsibilities:
Murcia Granada breeding programs are aimed at improving the breed’s productivity, profitability, and milk quality.

Performance Comparison of Saanen, Murcia, Alpine, Nubian, Toggenburg, and Niger Breeds of Goat and Holstein Breed of Cattle.
Breeding Protocol:

A percentage of bucks (artificial insemination)

Bucks selected based on the results

Buck’s annual test results

Transfering bucks to the sperm center; selecting bucks based on their parent’s mean EBV

Natural mating of selected bucks with does (minimum 1000)

Based on does’ performance (25-100)

Commercial Herds

Commercial Herds

5.5 Years
Major Performance Analysis indices (Saanen, Murcia, Alpine, Nubian, Toggenburg, and Niger breeds of goat and Holstein breed of cattle).

<table>
<thead>
<tr>
<th>Body Weight (kg)</th>
<th>Milk Yield (kg)</th>
<th>Fat Percentage</th>
<th>Protein Percentage</th>
<th>Total Fat (kg)</th>
<th>Total Protein (kg)</th>
<th>Annual Feed Ration (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>980</td>
<td>3</td>
<td>3</td>
<td>27</td>
<td>27</td>
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<tr>
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<td>3.8</td>
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<td>310</td>
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</tbody>
</table>

09. 03 / Breeding Protocol:

شاخص‌های اصلی تحلیل عملکرد نژادهای بز سانن، مورسیا، آلپاین، نویبیان، توگنبرگ، نیجر و گاو هلسنlland.
Despite having a good milk production record and a high feed conversion ratio (FCR), Saanen breed of goat performs extremely low on some fairly important indices:

1 / Saanen (albino) is highly vulnerable to direct sunlight and heat.

2 / Poor milk quality and composition.

3 / Susceptibility to common diseases in Iran.

4 / Saanen needs top quality feed in order to reach its productivity standards.

5 / Saanen farming is not cost-effective unless intensive systems and hygienic halls are used.

10 / Disadvantages of Saanen Breed:
Compared to Holstein cattle and Saanen goat, Murcia Granada goat needs a lower feed intake to produce milk fat. In addition, compared with similar breeds, Murcia Granada breed needs equal feed to protein conversion ratio.

However, in recent years, milk yield has declined in importance and milk fat and protein production have assumed an added importance throughout the world including Iran.

馨苑闫，萨恩牛和霍尔斯坦牛相比，穆尔西亚格拉纳达山羊需要较低的饲料摄入来生产乳脂。此外，与类似品种相比，穆尔西亚格拉纳达品种需要相等的饲料和蛋白质转换比。

然而，在最近几年，牛奶产量的重要性已经下降，而牛奶脂肪和蛋白质的生产变得尤为重要。
### Feed to Protein Conversion Ratios:

<table>
<thead>
<tr>
<th>Feed to protein conversion ratio</th>
<th>Feed to fat conversion ratio</th>
<th>Feed to milk conversion ratio</th>
<th>FCR</th>
<th>Murcia Granada</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.35</td>
<td>5.36</td>
<td>1.1</td>
<td>91%</td>
<td>91%</td>
</tr>
<tr>
<td>32.25</td>
<td>5.36</td>
<td>1.1</td>
<td>91%</td>
<td>91%</td>
</tr>
</tbody>
</table>

12 / راندماه‌های تبدیل خوراک به پروتئین:
13 / The Reasons for the superiority of Murcia Granada breed over other breeds

a. High adaptability to hot and dry conditions.

b. High record breeding in intensive industrial systems and unrivaled adaptability to whole grazing methods and open and semi-intensive industrial systems.

c. Highly adaptable to long hours of marching and resistance to different types of stress.

d. Good resistance to common diseases.

e. Non-seasonal reproduction.

f. Dual-purpose (meat and milk production).

g. High quality milk composition suitable for cheese manufacture.

h. High milk yield.

i. High milk yield under harsh conditions including shortage of feed resources.

j. Easy and stress-free milking.
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