

**DOSSIER ABOUT  
PRODUCTION OF ALFALFA IN  
THE COMPANY COABA**

**Denomination: COABA SCCM**

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**General manager: Mr. Alfonso Calderón**





## TYPES OF ALFALFA PROCESS



**Hay:** This is the traditional system in the world, the alfalfa is Sun Cured.



**Dehydrated:** The alfalfa is semi-dried in the field, trying to take it to the factory with 25-30 % humidity. This is the most widely used system in Spain today

## PRODUCTION PROCESS:



Growing. The alfalfa is grown for several years, needing irrigation to continue growing despite the high temperatures in summer.



Mow. Alfalfa is mowed up to six times a year, every month from May to October.



## HARVEST



**Hay process:** After leaving the alfalfa in the country for 72 to 96 hours to dry it, then it is picked up with big baler on optimal humidity to warehouse.



**Dehydrated process:** After leaving the alfalfa in the country for 48 to 72 hours to semi-dry it, then it is picked up early in the morning, with an optimal humidity to avoid the leaf falling down. It is picked up with a wagon.

**Factory arrival.** When the alfalfa comes to the factory, the person in charge of receiving the product examines the attributes of the product and its humidity.



**Hay process:** The alfalfa comes in big bales and it is classified before storing.



**Dehydrated process:** The alfalfa comes in bulk.



**Dehydration**. After alfalfa is classified, it's sent to the dryer equipment. Dehydration in rotating drum is done via a burner at one end to heat the air which is blown by a fan towards the interior of the drum. The alfalfa moves inside the drum with a reverse thread system which avoids the separation of the stem and the leaf; therefore improving the visual characteristics of the product and thus eliminating the production of small particles and dust.



**Packing**. In both system sun cured and drehydrated, once the alfalfa has been dried (12-14 % humidity), the fodder goes to the packing line. We produce principally small bales, which can be individual or in 8-piece sets.





**Storage.** The alfalfa bales are stored indoors waiting to be dispatched.



**Dispatch.** We export all our production on ship containers.



## Potential consumers.

Most of the factories in Spain make big bales, which go to big farms to feed dairy cattle, where the alfalfa is integrated in a combined diet done by the farmer with trailed mixers.



Our clients are usually farmers who feed their cattle directly on trough, using not chopped fodder, containing a high amount of leaves.





# Appearance of our alfalfa



# Individual bales and unloading





## 8 small bales sets





How do we unpack? It's easy:





We have other fodders too:

- Oats hay



- Rye grass



- Wheat straw



## Our kinds of bales:

	Individual	Set	Medium	Big
Weight	25 to 50 Kg	≈ (8x35) Kg	≈ 150 Kg	≈ 300 Kg
Lenght	65 to 110 Cm	≈ (35x4) Cm	≈ 110 Cm	≈ 220 Cm
Width	38 Cm	84 Cm	80 Cm	80 Cm
Height	35 Cm	(38x2) Cm	50 Cm	50 Cm

**SOME PHOTOS**



# DEHYDRATED ALFALFA

















# SUNDRIED ALFALFA











# RYE GRASS

























**OATS HAY**







