

Gruppo Carli®

# FORAGE & BEDDING



*horses*

*Product Catalogue*



100% ITALIAN FORAGES  
*since 1960* 

# FORAGE IN HORSE DIET

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at Equidiets



Horses (equidae) are monogastric (non-ruminant) herbivores that have evolved over 50 million years feeding on grass and other green plants, from which these animals extract energy, proteins, fat, vitamins, macro and microelements to support their metabolism at the various stages of life.

Horses are characterized by a small stomach: that's why they need to have numerous small-quantity meals, for a total duration of about 18 hours a day. In nature, 80% of a horse's caloric needs are met by foods that are rich in fiber (roughage or forage): horses feed on concentrates (rich in starch) as the result of their domestication and the commitments connected to humans.

Today, the typical ration of a horse is generally composed of 3 main ingredients: forage, concentrates and – if and when necessary – supplements.

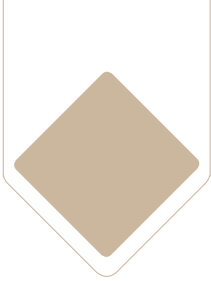
Veterinary medicine officially states that any decrease in the quantity of roughage in a horse's diet in favour of other feeds is eventually bound to lead to some gastric disease.

Horses should eat roughage for at least 1.5% of their body weight every day. Forage consumption stimulates the production of saliva and gastric acids, thus maintaining the optimal pH level and safeguarding the health of the stomach.

Horses are therefore destined to eat only good-quality forage, either green, fresh or conserved, in order to avoid the development of poor physical conditions and pathologies.

LOVING YOUR HORSES  
MEANS FIRSTLY TO  
RESPECT THEIR  
METABOLISM:  
FEED YOUR HORSES  
LIKE HORSES.





# Which forage?

The evolution of equine species has allowed horses to refine the ability to distinguish edible grasses from harmful or non-digestible ones.

Therefore, good-quality hay (intended as dried forage) always remains the staple of a horse's diet and no keeper can talk of a complete well-balanced ration without including good hay.

While in nature horses have access to a great variety of plant essences that can be chosen and eaten ad libitum, housed or semi-stable domestic horses must rely on what is fed to them.

IT IS VITAL FOR HORSE  
KEEPERS TO FEED  
THEIR HORSES  
GOOD-QUALITY FORAGE.

## Buying Gruppo Carli for your horses – why

### Rigorous sourcing and selection of raw materials

The good quality of hay largely depends on accurate land, soil and crop management as well as the stage of plant ripeness at harvest when mowing occurs: immature plants contain more nutrients than older and woodier ones and have a greater retention during processing and storage.

### Quality control of finished products

The quality and quantity of nutrients in hay is ascertained by appropriate laboratory analysis after correct batch sampling.

Knowing the nutrients contained in forage is fundamental to opt for the most appropriate diet.

### Research, new product development and consulting/advice

Feeding horses like horses is of paramount importance, especially feeding them to meet their own individual needs.

### On the horse keepers' side, before and after the purchase decision

Continuous research and development is aimed at improving forage quality, processing and packaging.

On the horse keepers' side, before and after the purchase decision

GRUPPO CARLI offers all customers, long-term and prospective, access to their qualified Equine Helpline, managed by the independent nutritional and vet consulting company EQUIDIETS.

A long-term partner of GRUPPO CARLI, EQUIDIETS has developed its portfolio of consulting services on up-to-date international research in equine genetics and nutrition. EQUIDIETS delivers a wide range of consulting services, nutritional veterinary assessment and advice both at customer premises and via state-of-the-art smartphone and Web apps.



# Forage



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# CARLI RYESTAR HAY DRIED FIRST-CUT FORAGE FROM MIXED GRASSES

## PACKAGING

18 kg small bales pre-cut in 4 slices  
on pallets of 48 bales



### TYPICAL ANALYSIS

Moisture	6%
	on a dry matter basis
Digestible Energy (DE)	2.01 Mcal/kg
	%
Crude Protein	9.8
Lysine	0.34
Cellulose	36.6
Lignin	6.2
ADF	42.8
NDF	60
WSC	9.5
ESC	4.6
Starch	1.8
NFC	19.9
Crude Fat	1.5
Ash	8.9
Calcium	0.78
Phosphorus	0.22
Magnesium	0.17
Potassium	2.20
Sodium	0.066
Chlorine	0.68
Sulfur	0.15
	ppm
Iron	481
Zinc	22
Copper	8
Manganese	46
Molybdenum	2.9
Cobalt	0.52

## Product Description

First-cut forage from pastures of mixed grasses (*Phleum pratense*, *Lolium italicum*, *Lolium perenne*, *Poa pratensis*, *Dactylis glomerata*, *Bromus inermis*, *Bromus catharticus*, *Medicago sativa*) selected, sun-cured or dehydrated. During the production process, the hay is cleared of mould, spores and dust and the packaging in PP saves it from environmental contamination.

100% ITALIAN HAY, PROCESSED IN ITALY 

## General Nutritional Properties

CARLI Ryestar Hay is the ideal basis of a balanced diet for horses and other equids thanks to:

- its high level of cellulose
- its substantial content of crude protein and lysine
- its low level of starch and sugar
- its proper Calcium to Phosphorus ratio

## Feeding Guidelines

Minimum 2 kg of CARLI Ryestar Hay per 100 kg of body weight (i.e. 10 kg or more, for a 500 kg horse).

## Nutritional Specifications

CARLI Ryestar Hay's main application is for maintenance of resting or light-working horses. The high level of slowly fermentable fiber suits well the natural ability of equids to source energy from roughage. Thanks to its low content of NSC, CARLI Ryestar Hay is the first choice feed for horses and ponies prone to Carbohydrates-associated disorders (laminitis, colic, equine metabolic syndrome, equine Cushing/PPID, chronic diarrhea, and gastric ulcers) or already suffering of such conditions.



# CARLI ALFAFUEL PURE ITALIAN ALFALFA FORAGE



## Product Description

Carli AlfaFuel is a high-quality forage made of 100% pure Italian alfalfa (*Medicago sativa*) selected, sun-cured or dehydrated. During the production process the hay is cleared of mould, spores and dust and the packaging in PP saves it from environmental contamination

 100% ITALIAN HAY, PROCESSED IN ITALY

## General Nutritional Properties

Carli AlfaFuel is the ideal highly digestible fibre-based protein supplement for a balanced diet of horses and other equids thanks to:

- its high content of cellulose
- exceptional protein content with high level of lysine
- its low levels of starch and sugar
- its high content of Calcium, Potassium and Iron



## Feeding Guidelines

Up to 1.5/3.5 kg per day for a horse of 500 kg bodyweight.

## Nutritional Specifications

CARLI AlfaFuel is specifically studied for horses in different stages that require additional protein intake, such as in reproduction, lactation, growth development and during several pathological conditions. Given its high Calcium content it is advised to add a source of Phosphorus to the diet. Thanks to its long-lasting buffering action, CARLI AlfaFuel is a valuable aid to horses affected by gastric ulcer syndrome (EGUS). Thanks to its low content of NSC (non-structural carbohydrates) CARLI AlfaFuel is the first-choice feed for horses and ponies that are prone to carbohydrates-associated disorders (laminitis, colic, equine metabolic syndrome, equine Cushing/PPID, chronic diarrhea, and gastric ulcers) or those already affected by such conditions.

## PACKAGING



18 kg small bales pre-cut in 4 slices  
on pallets of 48 bales



## TYPICAL ANALYSIS

Moisture	6.1%
	on a dry matter basis
Digestible Energy (DE)	2.01 MCal/kg
	%
Crude Protein	16.2
Lysine	0.85
Cellulose	30.5
Lignin	5.4
ADF	35.4
NDF	44.6
WSC	5.9
ESC	5.3
Starch	2.3
NFC	20.5
Crude Fat	1.6
Ash	16.5
Calcium	2.10
Phosphorus	0.22
Magnesium	0.36
Potassium	2.38
Sodium	0.035
Chlorine	0.36
Sulfur	0.21
	ppm
Iron	3580
Zinc	37
Copper	12
Manganese	94
Molybdenum	1.7
Cobalt	1.83





# CARLI PIATTO UNICO FORAGE-BASED COMPOUND FEED

## PACKAGING



25 kg small bales pre-cut in 4 slices  
on pallets of 48 bales



### TYPICAL ANALYSIS

Moisture	5.1%
	on a dry matter basis
Digestible Energy (DE)	2.07 MCal/kg
	%
Crude Protein	12.5
Cellulose	32.1
Lignin	6.3
ADF	38.4
NDF	55.9
WSC	8.3
ESC	4.4
Starch	4.8
NFC	22.7
Crude Fat	1.8
Ash	8.9
Calcium	0.92
Phosphorus	0.23
Magnesium	0.24
Potassium	1.94
Sodium	0.098
Chlorine	0.66
Sulfur	0.23
	ppm
Iron	829
Zinc	31
Copper	10
Manganese	50
Molybdenum	1.3
Cobalt	0.70

## Product Description

CARLI Piatto Unico is a mix of forage chaff and grain concentrates (Phleum pratense, Lolium italicum, Lolium perenne, Poa pratensis, Dactylis glomerata, Bromus inermis, Bromus catharticus, Festuca rubra, Triticum spp, Hordeum vulgare, Zea mais, Sorghum vulgare, Medicago sativa, Ceratonia siliqua) selected, dried and chopped in order to be easily supplied in a feeder.

100% ITALIAN HAY, PROCESSED IN ITALY 

## General Nutritional Properties

CARLI Piatto Unico is an ideal feed easy to handle for the maintenance diet of horses thanks to:

- its protein and cellulose content
- its proper balanced supply of Calcium, Phosphorus and Magnesium
- its low starch level
- its moderate caloric intake

## Feeding Guidelines

As complete meal for maintenance diet, it is recommended to supply kg 2-3 per kg 100 of bodyweight (i.e. kg 10-15 for a kg 500 horse). To provide additional protein and energy it is suggested to supplement CARLI Piatto Unico with CARLI Alfafuel and/or CARLI Wafer.

## Nutritional Specifications

CARLI Piatto Unico's main application is in the diet of horses and other equids, when the use of feeders is preferred. CARLI Piatto Unico's high cellulose content ensures a healthier microbial population of the equine hindgut and the overall well-being of the digestive tract. Highly palatable, its taste is appreciated by horses and can be used as a carrier for powder or liquid supplements or drugs. CARLI Piatto Unico is perfect during traveling.



# CARLI PELLETTONE MIXED FORAGE PELLETS

## Product Description

Mid-sized (Ø mm 16–22) forage pellets of grass/alfalfa mixtures (Graminaceae: Phleum pratense, Lolium italicum, Lolium perenne, Poa pratensis, Dactylis glomerata, Bromus inermis, Bromus catharticus; Leguminosae: Medicago sativa), selected, naturally wilted or high-temperature dehydrated, cleared of dust and packed in sealed bags.

 100% ITALIAN HAY, PROCESSED IN ITALY

## General Nutritional Properties

CARLI Pellettone is the ideal basis for a balanced diet of horses and other equids thanks to:

- its high content of cellulose
- its good levels of crude protein and lysine
- its low levels of starch and sugar
- its proper Calcium to Phosphorus ratio



## Feeding Guidelines

Feed a daily amount of minimum 2 kg of CARLI Pellettone per 100 kg of body weight (i.e. 10 kg or more per day for a 500 kg horse).

## Nutritional Specifications

CARLI Pellettone's main application is in the maintenance diet of resting or light-working horses.

The mid-sized pellets of CARLI Pellettone (dispensable by feeder) is particularly suited, after soaking, for those horses prone to choke and senior (16+ years old) animals affected by chewing issues.

Thanks to its low content of NSC CARLI Pellettone is the first-choice feed for horses and ponies prone to carbohydrates-associated disorders (laminitis, colic, equine metabolic syndrome, equine Cushing/PPID, chronic diarrhea, and gastric ulcers) or already suffering of such conditions.

## PACKAGING

20 kg kraft paper bags  
on pallets of 60 bags



## TYPICAL ANALYSIS

Moisture	5.8%
on a dry matter basis	
Digestible Energy (DE)	2.25 MCal/kg
%	
Crude Protein	12.5
Lysine	0.44
Cellulose	30.7
Lignin	6.1
ADF	36.8
NDF	42.0
WSC	5.7
ESC	3.5
Starch	4.5
NFC	24.3
Crude Fat	2.5
Ash	8.6
Calcium	1.20
Phosphorus	0.33
Magnesium	0.24
Potassium	1.72
Sodium	0.064
Chlorine	0.38
Sulfur	0.19
ppm	
Iron	781
Zinc	37
Copper	10
Manganese	60
Molybdenum	2.0





# CARLI WAFER®

## PACKAGING

18 kg kraft paper bags  
on pallets of 70 bags



### TYPICAL ANALYSIS

Moisture	5.8%
on a dry matter basis	
Digestible Energy (DE)	2.1 Mcal/kg
	%
Crude Protein	14.64
Lysine	0.645
Cellulose	30.35
Lignin	5.75
ADF	36.1
NDF	48.3
WSC	5.8
ESC	4.4
Starch	3.4
NFC	22.4
Crude Fat	2.05
Ash	12.55
Calcium	1.65
Phosphorus	0.275
Magnesium	0.3
Potassium	2.05
Sodium	0.0495
Chlorine	0.37
Sulfur	0.2
	ppm
Iron	781
Zinc	37
Copper	11
Manganese	77
Molybdenum	1.85
Cobalt	1.28

## Product Description

Mid-sized forage cubes (cm 3x3 – cm 3x6) of mixed grasses (*Phleum pratense*, *Lolium italicum*, *Lolium perenne*, *Poa pratensis*, *Dactylis glomerata*, *Bromus inermis*, *Bromus catharticus*) and alfalfa (*Medicago sativa*) in a 1:1 ratio, selected, ground and compressed in cubes through a mechanical process that involves no additives or glues.

## General Nutritional Properties

CARLI Wafer is the perfect proteic feed rich in digestible fibre for a balanced diet of horses and other equines thanks to:

- its high amount of cellulose
- its proteic content with a high level of lysine
- its low levels of starch and sugar
- its high Calcium content.

100% ITALIAN HAY, PROCESSED IN ITALY 

## Feeding Guidelines

Along with CARLI RyeStar Hay or CARLI Pellettone, CARLI Wafer can make up to 40%–60% of the total forage daily ration.

A 500 kg horse should eat 4 to 6 kg CARLI Wafer per day.

## Nutritional Specifications

CARLI Wafer's main application is for supplementing grass forage to horses with significant nutritional needs such as pregnant and lactating mares, working stallions, growing and athlete horses, and those animals recovering from injuries and diseases where high biological value protein supply is required. The high cellulose content of CARLI Wafer ensures the healthiest conditions of the microbial population in the equine hindgut and the overall well-being of a horse's digestive tract. Thanks to its long-lasting buffering action, the alfalfa content of CARLI Wafer is a valuable aid to horses suffering of gastric ulcer syndrome (EGUS). Thanks to its low content of NSC CARLI Wafer is the first-choice feed for horses and ponies prone to carbohydrates-associated disorders (laminitis, colic, equine metabolic syndrome, equine Cushing/PPID, chronic diarrhea, and gastric ulcers) or already suffering of such conditions.



# CARLI WAFER C+



## Product Description

Mid-sized forage cubes (cm 3x3 – cm 3x6) made of forage chaff (Phleum pratense, Lolium italicum, Lolium perenne, Poa pratensis, Dactylis glomerata, Bromus inermis, Bromus catharticus, Festuca rubra; Medicago sativa), grain concentrates (Hordeum vulgare, Zea mais, Avena sativa) and sunflower oil (Heliantus annuus). Components are selected, ground and compressed in cubes through a mechanical process that involves no additives or glues. This product is suitable for feeders.

 100% ITALIAN HAY, PROCESSED IN ITALY

## General Nutritional Properties

CARLI WAFER C+ is the perfect complete meal for the maintenance diet of horses on a light-to-moderate workload thanks to:

- its content of cellulose and proteins
- its balanced Calcium to Phosphorus ratio
- its moderate content of starch and sugars
- its medium to high calory content



## Feeding Guidelines

For horses with a light-to-moderate workload it is advised to feed Carli WaferC+ 1 kilo every 100 kg of weight, i.e. kg 5 for a 500 kg horse, together with a suitable amount of hay (meadow grass), such as Carli Ryestar Hay at the dose of 1.5 kg every 100 kilos of weight.

## Nutritional Specifications

CARLI WAFER C+ helps to keep a horse's caecum and colon in good health and maintain the overall well-being of the equine digestive system. CARLI WAFER C+ is suitable for all horses that have shown or are suspected of no sensitivity to Non-Structural Carbohydrates (i.e. starch and WSC, water-soluble carbohydrates). It is perfect as a complete meal during travel.

## PACKAGING



18 kg kraft paper bags  
on pallets of 70 bags



## TYPICAL ANALYSIS

Moisture	10.7%
	on a dry matter basis
Digestible Energy (DE)	2.7 MCal/kg
	%
Crude Protein	12.8
Lysine	0.38
Cellulose	20.9
Lignin	6.1
ADF	27.1
NDF	36.4
WSC	9.5
ESC	9.4
Starch	19.2
NFC	40.9
Crude Fat	2.00
Ash	7.9
Calcium	1.21
Phosphorus	0.28
Magnesium	0.23
Potassium	1.79
Sodium	0.123
Chlorine	0.56
Sulfur	0.25
	ppm
Iron	839
Zinc	30
Copper	11
Manganese	43
Molybdenum	1.3
Cobalt	1.02





# HF ALFALFA ALFALFA PELLET

## PACKAGING

25 kg kraft paper bags  
on pallets of 60 bags



### TYPICAL ANALYSIS

Moisture	7.2%
on a dry matter basis	
Digestible Energy (DE)	2.02 MCal/kg
	%
Crude Protein	11.1
Lysine	0.56
Cellulose	35.5
Lignin	7.8
ADF	43.3
NDF	58.3
WSC	10.7
ESC	8.7
Starch	0.4
NFC	19.6
Crude Fat	1.6
Ash	9.4
Calcium	0.60
Phosphorus	0.30
Magnesium	0.17
Potassium	3.45
Sodium	0.025
Chlorine	0.51
Sulfur	0.16
	ppm
Iron	188
Zinc	27
Copper	8
Manganese	26
Molybdenum	1.3
Cobalt	1.22
RFU	88

## Product Description

Fiber-based forage ideal for overweight horses and ponies' maintenance, as well as for senior animals. It is made from pure alfalfa (*Medicago sativa*) selected stems, sun-cured or dehydrated and compressed into pellets through a mechanical process that involves no chemical additives or glues.

100% ITALIAN HAY, PROCESSED IN ITALY 

## General Nutritional Properties

HF Alfalfa is a high-quality, rich in fiber forage, which is ideal for the maintenance diet of a horse or other equids, thanks to:

- its high content of cellulose
- its low levels of starch and sugar (below 12%)
- its balanced Calcium to Phosphorus ratio
- its low-energy content

## Feeding Guidelines

It is advised to feed HF Alfalfa as 20%-50% of the total daily forage supply (2.5 kg per day for a horse weighing 500 kg). It is also recommended to provide horses free access to a regular source supply of clean fresh water and plain white table salt.

## Nutritional Specifications

Thanks to its high fiber content, Alfalfa HF is perfect for animals needing limitation of calorific intake (Body Condition Score  $\geq 3/5$ ) but supplying calcium and lysine. Thanks to its long-lasting buffering action, HF Alfalfa is a valuable aid to horses affected by gastric ulcer syndrome (EGUS). Thanks to its low level of non-structural carbohydrates (NSC) HF Alfalfa is the first-choice feed for horses and ponies that are prone to NSC (starch/sugar/fructans) associated disorders, such as laminitis, colic, metabolic syndrome, Cushing, chronic diarrhea, gastric ulcers), or for those animals already affected by such conditions. For its relatively low protein content and good level of lysine, HF Alfalfa is an ideal feed for senior horses and horses with kidney-related problems.



# D/C BALES SUNCURED, DOUBLE COMPRESSED BALES



## RYEGRASS

Natural forage from pastures of mixed grasses/legumes (Gramineae: Phleum pratense, Lolium italicum, Lolium perenne, Poa pratensis, Dactylis glomerata, Bromus inermis, Bromus catharticus and Leguminosae: Medicago sativa) naturally suncured, selected and compressed into bales.



## ALFALFA

Suncured alfalfa, forage of excellent nutritional composition, rich in highly digestible fiber, sugar, protein, mineral and vitamin.



## STRAW

Cereal Straw obtained from grain crops grown on Italian fields and processed in Italy, excellent as fiber supplement in the animals' diet or as natural bedding thanks to its high-absorption properties.



 100% ITALIAN HAY, PROCESSED IN ITALY

## PACKAGING

### DOUBLE COMPRESSED BALES

Fibre lenght: >10 cm

Tied with recyclable nylon twines

Block of bales loaded loose or wrapped with or without pallet

### BALES DIMENSION

Mini	cm 55x40x30	Weight 25kg
Medium	cm 55x40x45	Weight 40kg
Large	cm 55x40x90	Weight 80kg





# Bedding

## STRAW FOR HORSE WELFARE

Along with the diet, another fundamental factor for horse well-being is bedding. An insufficient or poor-quality bedding can increase the risk for the animal of tegumentary and musculo-skeletal injuries, even serious ones, and facilitate the onset of respiratory pathologies (bronco-pneumopathies of allergic nature) or foot-related issues (e.g. hoof rotting, hoof worm).

## CARLI STRAWLUXE BALE

Thanks to its particular production and ventilation processes before packaging, Carli Strawluxe is a soft and comfortable bedding, ideal for the boxes of mares and foals. With a minimum 200% absorption, the long-fiber bedding ensures comfort and easy employment. Carli Strawluxe is packed in easy-to-handle 13 kg bales, pre-cut in 4 slices and wrapped in PP film. The packaging is designed to ensure protection from external agents during transportation and storage.



CM 30X30X60 KG 13  
PACKAGING

# Straw Pellets

BY GRUPPO CARLI

Cereal straw by Gruppo Carli meets all the requirements of the ideal bedding, such as:

- Absorption capacity for water and urine
- Non-toxic ingredients
- Absence of odors, dust and/or allergens
- Comfort
- Ease of storage
- Ease of handling
- Cost effectiveness
- Suitable for compost

Cereal straw used in Gruppo Carli horse bedding is sourced from Italian fields. It is obtained from grain crops such as soft wheat, barley and spelt, all processed in Italy. Gruppo Carli horse straw beddings are GMO-free.

## PACKAGING

CM 44X77X16 KG 25



DIAMETER  
6, 10 MM

## CARLI STRAWLUXE PELLETS

Straw pellets are considered, as well as peat, the best material for horse bedding (\*), both in relation to its absorption capacity (4.5 liters per kg) and to the absence of dust. Generally, horses do not eat straw in pellet form, as they could do instead with traditional straw, and even if it happens it implies no side effects (on the contrary, it is extremely risky to put at their disposal paper or wood). Carli Strawluxe pellets are obtained from cereal straw crops (wheat, barley, spelt) cut and compressed into pellets through a mechanical process that involves no chemical additives or glues. This product is packed in 25 kg Kraft paper bags to be protected against external agents. Freely disposable, Carli Strawluxe can rapidly be transformed into compost, which has no impact on the environment.

(\*) "Bedding choices for horses — an overview" by Markku Saastamoinen.  
MTT Animal Production Research, Equines, Ypäjä Finland.  
"Bedding choices for horses — an overview," Markku Saastamoinen.  
MTT Agrifood Research Finland, Animal Production Research,  
Equines, Opistontie 10 a 1, FI32100 Ypäjä, Finland. "Housing  
and management of horses in Nordic and Baltic climates"  
NIF seminar nr. 437, 6.-7 June 2011, Iceland.

## GRUPPO CARLI FORAGES AS MATCHING EQUINE NUTRITIONAL NEEDS

Type of Equid	Dry Matter (%)	Forage in the Ration (%)	G R U P P O C A R L I F o r a g e s						
			RYESTAR	ALFAFUEL	PELLETTONE	WAFER	WAFER C+	PIATTO UNICO	HF ALFALFA
<b>ADULT HORSE (500 KG)</b>									
Maintenance	10	80-100	🐾	🐾	🐾	🐾	🐾	🐾	🐾
Light work	10	70-90	🐾	🐾	🐾	🐾	🐾	🐾	🐾
Moderate work	12.5	60-80	🐾	🐾	🐾	🐾	🐾	🐾	🐾
Heavy work	12.5	50	🐾	🐾	🐾	🐾			★
<b>STUD (500 KG)</b>									
Resting	10	60-80	🐾	🐾	🐾	🐾	★	★	★
At work	12.5	50	🐾	🐾	🐾	🐾	★	★	★
<b>DAM/MARE (500 KG)</b>									
Pregnancy [2nd part]	11-12	60-70	🐾	🐾	★	🐾			
Lactating [1st part]	15	50-60	🐾	🐾	★	🐾			
Lactating [2nd part]	12.5	60-70	🐾	🐾	★	🐾			
<b>FOAL</b>									
6-18 months	6-10	40-60	🐾	🐾		🐾			
18+ months	10	50-70	🐾	🐾		🐾			
Pony (250 kg)	4	100	🐾			🐾			🐾
Miniature Horse (100 kg)	1.5	70-90	🐾			🐾			🐾
Adult donkey (350 kg)	6	80-100	🐾			🐾			🐾



= fit for purpose



= acceptable

## Italian origin

= quality and sustainability guaranteed

All ingredients used in the production of Gruppo Carli forages [unless clearly stated in the product sheets] are sourced from Italian fields in the Emilia-Romagna region and processed in the company's own factories in Italy. Buying Gruppo Carli products for your horse means opting for forages made from equine-specific grasses.

All Gruppo Carli horse line products are packaged in order to ensure both effective handling and the best long-lasting preservation of its nutritional forage features (including vitamins and minerals) together with protection against sunlight, air and mould.

100% ITALIAN FORAGES  
since 1960 

In order to fully assess your horse's nutritional needs and to personalize the ration to meet your horse's optimal diet, we suggest to refer to expert veterinary advice. Gruppo Carli offers all its valued customers the Equine Helpline Service provided by EQUIDIETS. To this respect, Gruppo Carli is available to design, manufacture and deliver ad-hoc forages on specific customer requirements.

You can contact our EQUIDIETS team, by calling +39 327 3065438 or writing to: [helplinecavalli@gruppocarli.com](mailto:helplinecavalli@gruppocarli.com)



# TIPS ABOUT USING FORAGE IN A HORSE'S RATION

Any horse diet should include fresh or preserved forage (recommended particle length >2.5 cm) offered ideally ad libitum or spread throughout the day to avoid prolonged periods (i.e. over 4–5 h) confined in a stable without foraging opportunity.

However, for older horses with chewing difficulties, using ground high-fiber products in a soaked mash form may be beneficial.

A horse requires sufficient forage fed in a form that supports the species-specific feed intake behavior, ideally over a minimum period of 8 h and preferably 10/24 h.

The amount of preserved forage in the ration should be calculated on the basis of grams DM/kg BW rather than as % of ration or on an as-fed basis due to the great variation in DM content of different forages.

Daily forage intake should not be less than 15 g DM/kg BW in addition to supplementary (concentrate/compound) feeding, with an absolute minimum recommendation of 12.5 g DM/kg BW.

Amounts above those recommended here may be fed or consumed by horses, as long as a healthy energy balance (body condition) is maintained. If BW increases even when feeding the minimum recommended intake, a forage with a lower energy content should be fed rather than reducing the dry matter forage intake.

For horses requiring an increased energy intake due to reproduction or work level, less mature forages that have higher energy content should be considered. Forages cut at an earlier plant maturity stage are less likely to require protein supplementation.

Straw, if required, should be introduced into the diet very slowly, which helps the horse to adapt its chewing behaviour and reduces the risk of impaction (although this remains a significant risk with certain individuals). The risk of gastric ulceration also may increase when straw is the main roughage. Some researchers recommend that no more than 30% of the forage DM ration is straw (other than for donkeys). Others may recommend higher proportions providing the straw is of a good hygienic standard and the overall ration is balanced for proteins, vitamins, minerals and trace elements.

Providing a block of salt and free access to clean fresh water is the most important action to guarantee welfare to horses.



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