

Gruppo Carli®

# FORAGE & BEDDING



*horses*

*Product Catalogue*



100% ITALIAN FORAGE  
*since 1960* 



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# FORAGE IN THE HORSE DIET

by Giuseppe Iardella DVM



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.

### Gruppo Carli for your horses

#### Business values and know-how

Since 1960, Gruppo Carli has been farming alfalfa and forage in Italy, supplying around 450.000 tons of processed fodder per year to feed mills and breeding farms all around the world. Forage quality depends primarily on the maturity stage of the plant at harvest: young plants are more digestible and richer in nutrients than the mature ones, and have a greater quality retention during processing and storage.

#### Expertise

Gruppo Carli Horse Line is composed by accurately selected ingredients, primarily forage, and processed at the Group's facilities, all located in Italy. Quality of the finished product is a priority: each manufacturing line is equipped with dedusting drums, magnets, ventilators and sieves, to guarantee horses a clean, safe and soft feed. Each products' formula and design are developed with the support of nutritionists who are expert in horses' needs and preferences, and approved by veterinarians.

#### Reliability

The quality of Horse Line feed is ascertained by 1500 analyses carried on by internal and independent laboratories each year. Samples of both raw materials and finished products are regularly tested to verify full specifications: providing a clear and comprehensive nutritional profile of the feed allows horse-keepers to formulate the most appropriate diet for their horses.

#### Product range and design

Horse Line by Gruppo Carli is composed by a complete range of feed and bedding, in bales, pellet or cubes, addressing the different needs of horses at each life stage. The packaging, with a unique design, is recyclable and sustainable, studied to protect the product from dust and humidity during transportation and storage. The dimensions are easy to handle, in order to ease the daily work of horse-keepers.



# Forage

## SMALL BALES PACKED IN RECYCLABLE PLASTIC FILM

bale dimensions:  
cm 30x30x60  
weight: 18/25 kg



pallet dimensions:  
cm 120x100x225/255  
weight: 864/1200 kg



## BAGS

bag dimensions:  
cm 55x77x16  
weight: 18/25 kg



pallet dimensions:  
cm 120x100x190  
weight: 1080/1500 kg



## D/C BALES

bale dimensions:  
cm 55x40x30  
weight: 22/25 kg



pallet dimensions:  
cm 120x100x225/255  
weight: 1056/1200 kg



# Bedding

## BAGS

bag dimensions:  
cm 55x77x16  
weight: 20/25 kg



pallet dimensions:  
cm 120x100x190  
weight: 1200/1500 kg



## SMALL BALES PACKED IN RECYCLABLE PLASTIC FILM

bale dimensions:  
cm 30x30x60  
weight: 13 kg



pallet dimensions:  
cm 120x100x225/255  
weight: 624 kg



## CARLI RYESTAR HAY

DRIED FIRST-CUT FORAGE FROM MEADOW GRASSES

## PACKAGING



18 kg small bales pre-cut in 4 slices on pallets of 48 bales (864 kg)



## Product Description

First-cut forage from pastures of mixed grasses (Phleum pratense, Lolium italicum, Lolium perenne, Poa pratensis, Dactylis glomerata, Bromus inermis, Festuca Rubra, 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 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.

## TYPICAL ANALYSIS

	6%
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

# 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 alfalfa is cleared of mould, spores and dust and the packaging in PP saves it from environmental contamination.

100% ITALIAN ALFALFA, 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 life 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



22 kg small bales pre-cut in 4 slices on pallets of 48 bales (1056 kg)



## TYPICAL ANALYSIS

	6.1%
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

## PACKAGING



25 kg small bales pre-cut in 4 slices on pallets of 48 bales (1200 kg)



## TYPICAL ANALYSIS

	5.1%
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 FORAGES AND CEREALS, 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 PELETTONE MIXED FORAGE PELLETS



# CARLI HF ALFALFA ALFALFA STEM PELLET

## Product Description

Mid-sized (Ø mm 16-18) forage pellets of grass/alfalfa mixtures (Gramineae: 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 FORAGE, 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  
(1200kg)

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



PACKAGING

25 kg  
kraft paper  
bags  
on pallets  
of 60 bags  
(1500kg)

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
RFV	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 ALFALFA, 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, HF Alfalfa 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.

# CARLI WAFER®



# CARLI WAFER C+



## Product Description

Mid-sized forage cubes (cm 3x3) 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, grounded and compressed in cubes through a mechanical process that involves no additives or glues.

100% ITALIAN FORAGE, PROCESSED IN ITALY

## 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.

## 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.



## PACKAGING

18/20 kg kraft paper bags on pallets of 70 bags (1260/1400kg)

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



## PACKAGING

18/20 kg kraft paper bags on pallets of 70 bags (1260/1400kg)



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

## Product Description

Mid-sized forage cubes (cm 3x3) 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 and cane molasses). Components are selected, grounded and compressed in cubes through a mechanical process that involves no additives or glues. This product is suitable for feeders.

100% ITALIAN FORAGES AND CEREALS, 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 Wafer C+ 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.



D/C BALES  
SUNCURED,  
DOUBLE COMPRESSED  
BALES

**RYEGRASS**

Natural forage from pastures of mixed grasses and legumes naturally suncured selected and compressed into bales. The long fiber length (>10 cm) brings the horse to explore the grasses while eating, like natural grazing.



**ALFAFA**

Suncured alfalfa, palatable and rich in fiber, sugar, protein, mineral and vitamin, selected and compressed into bales. The natural forage physical form (length >10 cm) stimulates chewing.



**PACKAGING**

**DOUBLE COMPRESSED BALES**  
Tied with recyclable nylon twines  
Block of bales wrapped with plastic film.  
Delivered with or without pallet

**BALES SIZES**

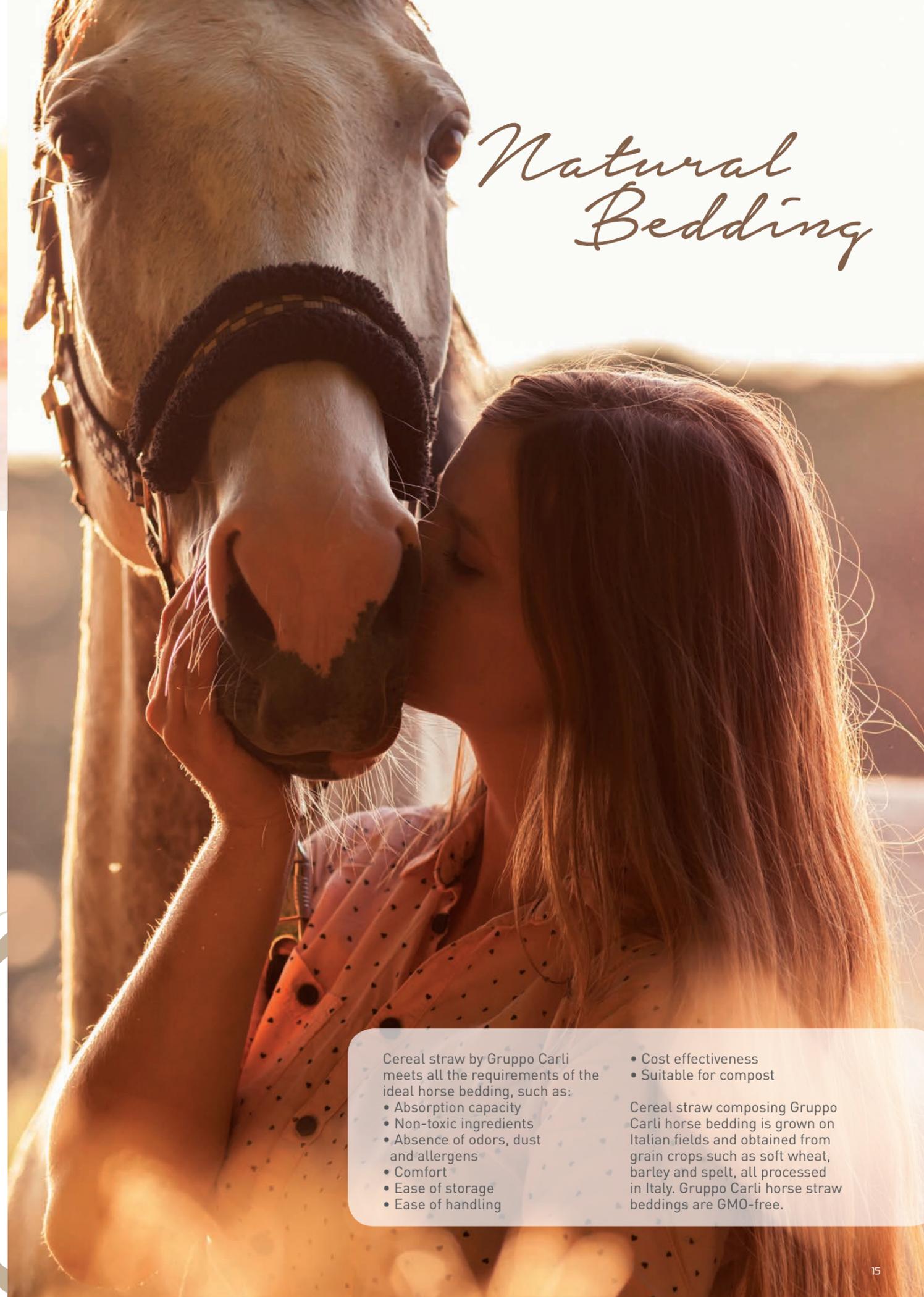
Mini	cm 55x40x30	Weight 25kg
Medium	cm 55x40x45	Weight 40kg
Large	cm 55x40x90	Weight 80kg

Pallet dimensions cm 120x100x255



 100% ITALIAN FORAGE, PROCESSED IN ITALY

*Natural Bedding*



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

- Absorption capacity
- Non-toxic ingredients
- Absence of odors, dust and allergens
- Comfort
- Ease of storage
- Ease of handling

- Cost effectiveness
- Suitable for compost

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

# CARLI STRAWLUXE BALES BEDDING



## Product Description

Carli Strawluxe bales come from cereals grown on Italian fields and processed at Gruppo Carli premises in Italy. Natural and eco-sustainable, it is a soft and comfortable bedding, ideal for boxes of mares and foals. With a minimum 200% absorption capacity, Carli Strawluxe bales bedding ensures comfort to horses and easy employment to horse keepers.

100% ITALIAN STRAW, PROCESSED IN ITALY

## Processing

Carli Strawluxe bales are completely natural and mechanically processed only: the cutting, the chopping and the compression of straw into bales involves no additives or other substances. Dusting prior to packaging makes the product suitable for allergic horses or the ones having respiratory problems. Carli Strawluxe bales bedding is packed in easy-to-handle 13 kg bales, pre-cut in 4 slices and wrapped in PP packaging to ensure protection from external agents during transportation and storage.

## Use

### 1. Replacing an alternative bedding

It is important to accustom the horse gradually to the new bedding: during the daily cleaning, integrate the old bedding with small quantities of Carli Strawluxe until the full replacement within 7-10 days.

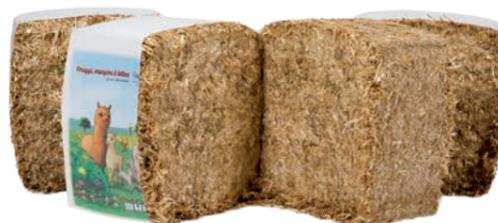
### 2. New box

Distribute one small bale of Carli Strawluxe every 4 square meters (4 bales per box). This quantity is indicative, it has to be tailored to each case depending on the material of the box floor. During the daily cleaning, remove only dirty parts and add new product as needed. Each 30 days remove completely the bedding, clean up the box and leave it open until the floor is completely dry. After re-covering the floor with straw, leave the box open for a half an hour in order to allow the dust to settle down before allowing the horse to enter. Natural and highly absorbent, Carli Strawluxe bales are a wholly disposable equine bedding with no impact on the environment: it rapidly composts into nitrogen-rich manure.

## PACKAGING



13 kg small bales pre-cut in 4 slices  
on pallets of 48 bales (624 kg)



## PACKAGING



25 kg kraft paper bags  
on pallets of 60 bags (1500 kg)



# CARLI STRAWLUXE PELLET BEDDING



## Product Description

Carli Strawluxe pellet bedding is a hygienic, ultra-absorbent and eco-sustainable bedding for all equids, composed 100% of Italian cereal straw. Pellet diameter is 6 to 8 mm and thanks to its high absorption capacity (minimum 4,5 lt of liquids per kg), Carli Strawluxe pellet grants horses with the maximum comfort, protects hooves from damage and reduces airborne dust damage.

100% ITALIAN STRAW, PROCESSED IN ITALY

## Processing

Carli Strawluxe pellet bedding is completely natural and mechanically processed only: the cutting, the chopping and the compression into pellets involve no additives or other substances. Carli Strawluxe pellet is free from bacteria, as the straw is heat-treated during pelletizing process.

## Use

### 1. Replacing the old bedding

It is important to gradually accustom the horse to the new bedding: during daily cleaning, integrate the old bedding with small quantities of Strawluxe pellet until it is completely replaced, normally within 7 to 10 days.

### 2. New bedding

Distribute approximately 6 kg of Carli Strawluxe pellet per sq.m. (the quantity proposed is indicative, it must be adapted to one's case). During daily cleaning remove only the dirt and the wet part and add new product as needed. After 30-40 days remove completely the box, clean the floor, leave the stall open to dry then sprinkle the Strawluxe pellet over the entire floor. Leave the box open for about half an hour to allow the dust to settle before returning to the horse the clean box. Natural and highly absorbent, Carli Strawluxe pellet is a completely disposable bedding with no impact on the environment: it rapidly composts into nitrogen-rich manure.

## GRUPPO CARLI FORAGES AS MATCHING EQUINE NUTRITIONAL NEEDS

Type of Equid	Dry Matter (%)	Forage in the Ration (%)	GRUPPO CARLI Forages						
			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 FORAGE  
since 1960 

Buying Gruppo Carli products for your horse means opting for forage made from genuine equine-specific grasses and for natural and sustainable bedding

## 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.



www.gruppocarli.com



Gruppo **Carli**<sup>®</sup>

Headquarters:

via Torello, 13 - 47865 Pietracuta di San Leo (RN)

tel. +39 0541 923044 - fax +39 0541 923454

[info@gruppocarli.com](mailto:info@gruppocarli.com) - [www.gruppocarli.com](http://www.gruppocarli.com)

