

PSITTACUS®



The main goal of **Psittacus Catalonia** is to improve the welfare of the birds we keep in our homes and breeding centers. Since the company was born, in 1998, we have focused on the continuous development and improvement of our **PSITTACUS** parrot food range, based on the experience of our breeding facilities and other collaborating centers.

The products in this range have been formulated to perfectly meet the specific nutrient requirements of psittacine birds according to their feeding strategy, their physiological status and their age. This has led us to develop feeds and hand feeding formulas of very different characteristics which allow the correct feeding of both adult birds (breeding and non-breeding) and growing chicks.

The innovative features of **PSITTACUS** range have enabled a very important improvement of the breeding protocols of many species, in particular concerning to hand-rearing. The improvement of the well-being that this entails, has a very important positive impact both on breeding results and vigor and chick viability.

PSITTACUS range is our main contribution to the improvement of psittaculture, and with it, to the propagation of endangered species populations for which captive breeding is fundamental.

PSITTACUS CATALUNIA

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PSITTACUS PRODUCT RANGE



HAND-FEEDING FORMULAS



MAINTENANCE FORMULAS



MULTI-SPECIES

BREEDING FORMULAS

SUPPLEMENTS

HAND-FEEDING FORMULA SELECTOR

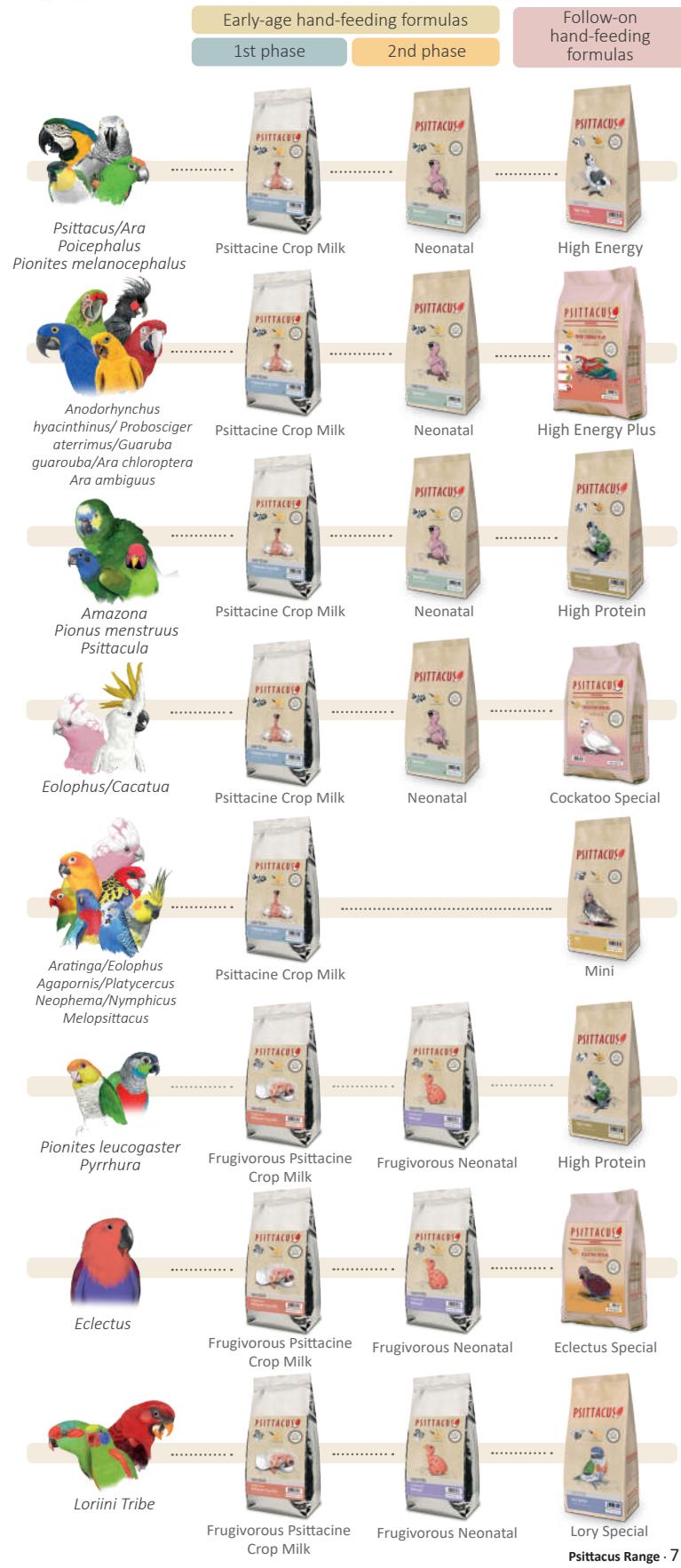
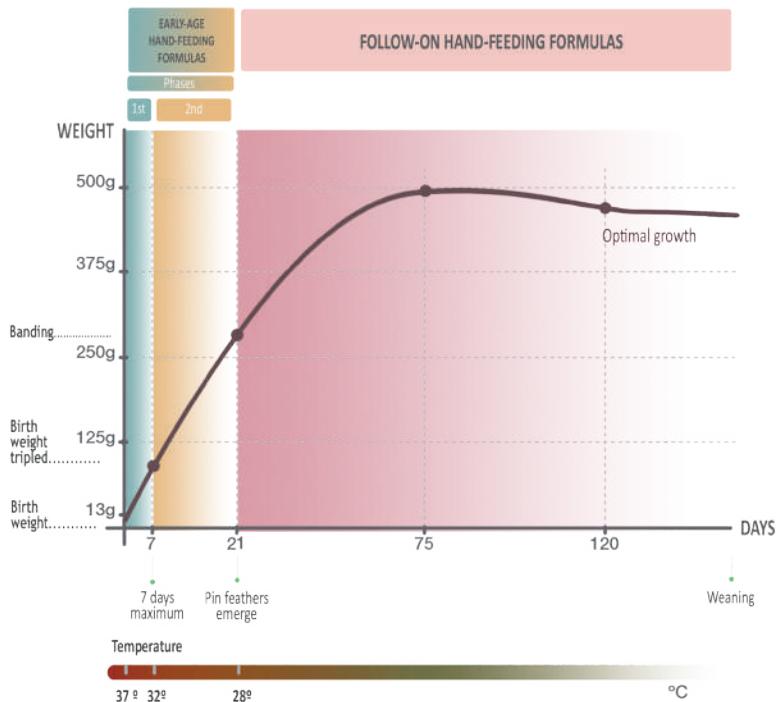
BEFORE SELECTING A HAND-FEEDING FORMULA

It is important to properly select the hand feeding formula according to the species. The hand feeding formula selector allows you to graphically identify the species to raise.

But it is also important to select the hand feeding formula according to **the age of the bird**. There are two groups of hand feeding formulas: those indicated for the neonatal phases and those indicated for the follow-on phases. The turning point is the moment when pin feathers begin to emerge. This is the time when neonatal hand feeding formulas should be replaced by follow-on hand feeding formulas.

If the chick does not have feathers yet, we should select a hand feeding formula for the neonatal phase. As it is indicated in the graph, if it is a newly hatched chick a neonatal hand feeding formula from the 1st phase should be selected (a crop milk). These are hand feeding formulas highly concentrated that can only be offered during a very limited period of time, until the 5-9 days of life (depending on the species). From that moment on, the crop milk should be progressively replaced by a neonatal hand feeding formula of the 2nd phase. This hand feeding formula, will be used until pin feathers begin to emerge, at which point, we will switch to the relevant follow-on hand feeding formula.

A correct use of the neonatal hand feeding formulas of the 1st phase allows the bird to double the weight on the third day, and triple it on the sixth day just like it happens in nature. It is important to remember that a bird that grows vigorously, generates heat and **does not require high temperatures. Therefore we should reduce quickly the brooder temperature. We also recommend that the birds are kept in non-homogeneous temperature brooders, with a lateral heat source, giving the bird the chance to approach or move away from the heat source.**



FORMULA SELECTOR

	Formulas for juveniles	Maintenance formulas	Breeding formulas	Supplements
		 		 
		 	 	 
		 	  	 
			 	 
			 	 
			 	 
		  	 	 
				 

HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks

Hand-feeding formulas are ideal for hand-rearing baby parrots and hand-feeding convalescent adult birds following illness or medical treatment. These hand-feeding formulas have been formulated to constitute 100 % of the diet of a parrot chick during the entire growth period: from birth to fledging. At weaning phase this food can be gradually replaced by the most suitable formula for the species.

On average, medium and large-sized parrots consume from 7-10 ml of hand-feeding formula per 100 g of body weight. Small parrots have a higher intake, up to 16 ml per 100 g body weight.

The recommended concentration of the formula when prepared is between 20-25 % a texture similar to yoghurt.

In order to prepare the formula, use warm water at a temperature between 37-39 °C. Avoid using the microwave.

We recommend administering the formula using a soft tube.



NEONATAL	FRUGIVOROUS NEONATAL
PSITTACINE CROP MILK	FRUGIVOROUS PSITTACINE CROP MILK
HIGH ENERGY	HIGH ENERGY PLUS
HIGH PROTEIN	GENERAL RECOVERY
MINI	COCKATOOS SPECIAL
ECLECTUS SPECIAL	LORY SPECIAL

Actual size

HOW TO PREPARE A HAND-FEEDING FORMULA



FEEDING RECOMMENDATIONS FOR HAND-FEEDING FORMULAS

- Choose the hand-feeding formula according to the age and species of the chick to be raised.
- Intake: 7-10 ml of reconstituted formula per 100 g of body weight at each feeding session. The bird's crop should be full, but not overstuffed.
- Confirm that the crop is empty in the morning.
- Leftover formula must be discarded after each feeding session.

HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



Psittacine Crop Milk

Ideal for hand-rearing granivorous parrot chicks during the first phase of the early-age period, from hatching until 5-9 days old, depending on the species.

It is an exclusive, highly concentrated and digestible hand-feeding formula.

We recommend feeding the appropriate amount over several sittings per day – usually 7-8 feeding sessions in the first days of life.

It should be prepared with warm water at a concentration of 25 % from when the bird is three days old. On day one, the concentration should be increased from approximately 1 % in the first feeding session to 20 % in the last one.

This product is especially recommended for breeders who incubate eggs artificially. It provides vigorous growth similar to those achieved by the best breeding pairs. This vigour promotes health and minimises the risk of contracting diseases.

Analytical constituents: Crude protein 44.0 %, Crude fat 40.0 %.

Packaging: 500 g bag.



HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



Frugivorous Psittacine Crop Milk

Ideal for hand-rearing frugivorous parrot chicks during the first phase of the early-age period, from hatching until 7-8 days old, depending on the species.

It is an exclusive, highly concentrated and digestible hand-feeding formula.

We recommend feeding the appropriate amount over several sittings per day – usually 7-8 feeding sessions in the first days of life.

It should be prepared with warm water at a concentration of 25 % from when the bird is three days old. On day one, the concentration should be increased from approximately 1 % in the first feeding session to 20 % in the last one.

This product is especially recommended for breeders who incubate eggs artificially. It provides vigorous growth similar to those achieved by the best breeding pairs. This vigour promotes health and minimises the risk of contracting diseases.

Analytical constituents: Crude protein 39.0 %, Crude fat 29.5 %.

Packaging: 500 g bag.



HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



Neonatal Hand Feeding

This early-age hand-feeding formula is ideal for hand-rearing parrot chicks during the 2nd phase of the early-age period, from when the bird is 5-8 days old until the moment feathers begin to emerge. After this time we recommended a follow-on hand-feeding formula.

We recommend **Psittacine Crop Milk** during the first phase of the early-age period.

This is ideal for a wide variety of species of the genera *Psittacus*, *Ara*, *Amazona*, *Cacatua*, *Poicephalus*, *Psittacula*, *Aratinga*, *Platycercus*...

It can also be used for chicks that require a supplement to the diet they receive from their parents. It is also an effective food for malnourished chicks. It contains a high proportion of dehydrated whole egg and papaya, which aids the digestive transit.

From one week old, chicks should eat up to six times each day, although this will vary according to the species. Crop capacity will indicate the amount to be fed at each feeding session, approximately 7-10 ml of formula per 100 g of body weight. The number of feeding sessions should decrease with age.

Analytical constituents: Crude protein 24.0 %, Crude fat 20.0 %

Packaging: 1 kg bag.

HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



Frugivorous Neonatal Hand Feeding

Ideal for hand-rearing parrot frugivorous chicks during the 2nd phase of the early-age period, from 7-8 days old until the moment feathers begin to emerge. After this time we recommend a follow-on hand-feeding formula.

We recommend **Frugivorous Psittacine Crop Milk** during the first phase of the early-age stage.

It is ideal for a variety of parrot species of the *Loriinae* tribe and of the general *Eclectus*, *Pyrrhura*, *Pionites*.

It can also be used for chicks that require a supplement to the diet they receive from their parents. It is also an effective food for malnourished chicks. It contains a high proportion of dehydrated whole egg and papaya, which aids the digestive transit.

From one week old, chicks should eat up to six times each day, although this will vary according to the species. Crop capacity will indicate the amount to be fed at each feeding session, approximately 7-10 ml of formula per 100 g of body weight. The number of feeding sessions should decrease with age.

Analytical constituents: Crude protein 29.0 %, crude fat 19.0%

Packaging: 1 kg bag.



HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



High Energy Hand Feeding

This follow-on hand-feeding formula is ideal for hand-rearing parrot species which need high fat diets (*Psittacus sp.*, *Ara sp.*, *Poicephalus sp.* and *Pionites melanocephalus*) from the moment pin feathers emerge. It contains crude palm oil, the most suitable vegetable fat for these species, and papaya, which favours digestive transit.

On average parrots consume from 7-10 ml of formula per 100 g of body weight during each feeding session. The number of feeding sessions per day depends on the parrot's age and species.

As a follow-on hand-feeding formula this product would be used when the bird reaches three weeks of age in the case of African Grey parrots, for example. For younger animals use early-age hand-feeding formulas such as **Psittacine Crop Milk** or **Neonatal Hand-Feeding**.

Analytical constituents:

Crude protein 18.0 %, Crude fat 20.0 %.

Packaging: 1 kg and 5 kg bags.



HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



High Energy Plus Hand Feeding

This follow-on hand-feeding formula is ideal for hand-rearing parrot species which need high fat diets (*Anodorhynchus hyacinthinus*, *Probosciger aterrimus*, *Guaruba guarouba*, *Ara chloroptera*, *Ara ambiguus*) from the moment pin feathers emerge. It contains crude coconut oil, the most suitable vegetable fat for these species, and papaya, which favours digestive transit.

On average, parrots consume between 7-10 ml of formula per 100 g of body weight and feeding session. The number of feeding sessions per day depends on the parrot's age and species.

As a follow-on hand-feeding formula, this product should be used when the bird reaches five weeks of age in the case of *Chloroptera*, for example. For younger animals use early-age hand-feeding formulas such as **Psittacine Crop Milk** or **Neonatal Hand-Feeding**.

Analytical constituents:

Crude protein 17.0 %, Crude fat 25.0 %.

Packaging: 5 kg bag



HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



High Protein Hand Feeding

This follow-on hand-feeding formula is ideal for hand-rearing parrot species which need low-fat diets (*Amazona sp.*, *Pionus sp.*, *Psittacula sp.*, *Pyrrhura*, *Pionites leucogaster*) from the moment pin feathers emerge. It contains stable high-oleic oil and papaya, which aids digestive transit.

On average parrots consume from 7-10 ml of formula per 100 g of body weight during each feeding session. The number of feeding sessions per day depends on the parrot's age and species.

As a follow-on hand-feeding formula this product would be used when the bird reaches three weeks old in the case of African Grey parrots, for example. For younger animals use early-age hand-feeding formulas such as **Psittacine Crop Milk** or **Neonatal Hand-Feeding**.

Analytical constituents: Crude protein 20.5 %, Crude fat 10.0 %.

Packaging: 1 kg and 5 kg bags.

HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



Lory Special Hand Feeding

This follow-on hand-feeding formula is ideal for hand-rearing chicks of *Loriinae* tribe from the moment feathers begin to emerge.

It contains dehydrated hibiscus flower and papaya, which aids digestive transit.

On average, lories consume between 7-10 ml of formula per 100 g of body weight during each feeding session. The number of feeding sessions and the amount offered should be adjusted according to the individual and development stage.

Its use is recommended until the chicks have fledged. During weaning phase, it should be gradually replaced by **Lory Gel** and **Lory Nectar**, either dry or mixed with water.

As a follow-on hand-feeding formula this product would be used when the bird is 16 days old. For younger animals use early-age hand-feeding formulas such as **Frugivorous Psittacine Crop Milk** or **Frugivorous Neonatal Hand-Feeding**.

Analytical constituents: Crude protein 20.0 %, Crude fat 14.0 %.

Packaging: 1 kg and 5 kg bags.



HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



Mini Hand Feeding

This follow-on hand-feeding formula is ideal for hand-rearing small-sized parrot species from the moment when the first neonatal phase finishes. For instance, in cockatiels this would be when the bird is two weeks old.

It is specially designed for species of the genera *Melopsittacus*, *Nymphicus*, *Agapornis*, *Neophema*, *Eolophus*.

Daily intake ranges between 7-10 ml of formula per 100 g of body weight during each feeding session. The number of feeding sessions per day depends on the parrot's age and species.

Its use is recommended until the chicks have fledged. During weaning phase, it should be gradually replaced with dry adult food.

For younger animals under a week old we recommend **Psittacine Crop Milk** initially, and then a mix of both formulas until ringing.

Analytical constituents: Crude protein 21.5 %, Crude fat 10.0 %.

Packaging: 350 g, 1 kg and 5 kg bags.

HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



Cockatoo Special Hand Feeding

This follow-on hand-feeding formula is ideal for hand-rearing cockatoo chicks (except cockatoos of *Probosciger* and *Calyptorhynchus*) from the moment when feathers begin to emerge.

Daily intake ranges between 7-10 ml of formula per 100 g of body weight during each feeding session. The number of feeding sessions per day depends on the parrot's age and species.

Its use is recommended until the chicks have fledged. During weaning phase, it should be gradually replaced with dry adult food.

As a follow-on hand-feeding formula this product would be used when the bird is three weeks old. For younger animals use early-age hand-feeding formulas such as **Psittacine Crop Milk** or **Neonatal Hand-Feeding**.

Analytical constituents: crude protein 21.0 %, crude fat 10.0 %.

Packaging: 5 kg bag.



HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



Eclectus Special Hand Feeding

This follow-on hand-feeding formula is ideal for hand-rearing *Eclectus* parrot chicks from the moment pin feathers begin to emerge.

It contains dehydrated hibiscus flower and papaya, which aids digestive transit.

On average parrots consume between 7-10 ml of formula per 100 g of body weight during each feeding session. The number of feeding sessions and the amount offered should be adjusted according to the individual and development stage.

Its use is recommended until the chicks have fledged. During weaning phase, it should be gradually replaced with dry adult food.

As a follow-on hand-feeding formula this product would be used when the bird is three weeks old. For younger animals use early-age hand-feeding formulas such as **Frugivorous Psittacine Crop Milk** or **Frugivorous Neonatal Hand-Feeding**.

Analytical constituents: Crude protein 20.0 %, Crude fat 15.0 %.

Packaging: 5 kg bag.

HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks



General Recovery

General **Recovery Formula** is an ideal support food for recovering sick and injured birds.

It is a complete food designed to be a source of easily assimilated nutrients.

Due to its high content of sugars, it should not be used for birds with crop candidiasis.

Prepare the formula by adding warm water and mixing it using a stainless steel whisk. The concentration of solids should be approximately 25 %.

The formula must be freshly prepared for each feeding session and any leftover formula should be discarded.

Analytical constituents: Crude protein 35.0 %, Crude fat 19.0 %.

Packaging: 100 g and 700 g jars.



HAND-FEEDING FORMULAS

Ideal for hand-rearing parrot chicks

Soft Tubes

Soft tubes are the safest and cleanest method for administering the hand-feeding formulas to parrots from early ages. Their rounded tip allows chicks to swallow them comfortably and voluntarily.

Available in a range of diameters suitable for different parrot species and their stages of development.

For African Grey Parrots:

The 5 ml tube is suitable for feeding early-age formula to chicks up to 7 days old.

The 10 ml tube is suitable for chicks up to 14 days.

The 20 ml tube is suitable until 4 weeks old.

From one month on, the 50 ml tube is recommended.

For cockatiels:

The 10 ml tube is used when pin feathers emerge, the point at which chicks are usually removed from the nest.

Some days later the 20 ml tube is recommended.

Sizes: 5 ml, 10 ml, 20 ml y 50 ml.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



Maintenance formulas are ideal for pet birds and breeding birds outside of the breeding season.

Maintenance formulas are a complete diet formula with each pellet containing a full complement of nutrients. This negates the common problem of picky feeding as the pellet and its nutrients are consumed as a complete package. Maintenance formulas can constitute 100 % of the bird's diet, although other foods such as fresh fruit and vegetables can be used to enhance dietary variety, enrichment, training and natural behaviours.

Lory Gel and **Lory Nectar** are two complementary products which are ideal for feeding lorries. They are also found in our section of maintenance formulas.

Lory Diet is a complete food with intermediate features between the **Gel** and the **Nectar** that can be offered as staple food to most Lory species.

FEEDING RECOMMENDATIONS FOR MAINTENANCE FORMULAS



Actual size

- 1 Supplement with fresh fruit and vegetables to add variety to the diet.
- 2 Renew feeder with fresh food daily.
- 3 Close the bag after each use.
- 4 Do not add other vitamins or trace elements since the formula already contains the appropriate amount. Supplying these in excess can be harmful.
- 5 Ensure the bird has plenty of clean, fresh water at all times.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



High Energy

Ideal for species which, in the wild, consume a significant amount of fruits and seeds from oleaginous plants (genera *Psittacus*, *Ara*, *Poicephalus*).

Daily intake ranges from 5-12 % of the animal's body weight. Medium-sized species, such as the African Grey parrot, consume between 25-45 g. Environmental ambient temperatures greatly influence this intake.

Analytical constituents: Crude protein 17.0 %, Crude fat 11.0 %.

Packaging: 800 g, 3 kg and 12 kg bags.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



High Protein

Many species in the wild consume a significant amount of fruits and seeds with a low to moderate content of fat (genera *Amazona*, *Cacatua*, *Psittacula*, *Pionites*).

Daily intake ranges from 5-15 % of the animal's body weight. Medium-sized species, such as blue-fronted amazons, consume between 20-40 g. Environmental ambient temperature greatly influences intake.

Analytical constituents: Crude protein 21.5 %, Crude fat 8.0 %.

Packaging: 800 g, 3 kg and 12 kg bags.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



Mini

Ideal for small-sized species (genera *Nymphicus*, *Eolophus*, *Platycercus*, *Aratinga*) which, in the wild consume mostly seeds with low fat levels.

Daily intake ranges from 9-15 % of the animal's body weight. For instance, a cockatiel will consume between 7-15 g. Environmental ambient temperature significantly influences intake.

Analytical constituents: Crude protein 15.1 %, Crude fat 7.5 %.

Packaging: 450 g, 3 kg and 12 kg bags.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



Minor

Ideal for small-sized psittacine birds (genera *Agapornis*, *Cyanoramphus*, *Pyrrhura*, *Forpus*) which consume a great diversity of foods in the wild, such as seeds, fruit, berries, leaves, buds and even some invertebrates.

Daily intake ranges from 10-18 % of the animal's body weight. Environmental ambient temperature greatly influences intake.

Analytical constituents: Crude protein 18.0 %, Crude fat 10.0 %.

Packaging: 450 g, 3 kg and 12 kg bags.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



Micro

Ideal for small-sized species (genera *Melopsittacus*, *Nymphicus*, *Psephotus*, *Neophema*) which consume mainly grass seeds.

Daily intake is around 10 % of the bird's body weight in the case of cockatiels, and up to 18 % in the case of common budgerigars. Environmental ambient temperature greatly influences intake.

Analytical constituents: Crude protein 16.0 %, Crude fat 7.5 %.

Packaging: 350 g, 1 kg and 5 kg bags.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



Omega

Ideal for young birds of medium and large species up to one year of age. It can also be offered exclusively or as a complement to adult individuals of different species. For example, it can be offered as often and as much as required to genera *Ara*, *Psittacus* and *Poicephalus*.

This food is better used only occasionally or as a complement to species that tend to gain weight, such as genera *Amazona*, *Cacatua*, *Psittacula* or *Eclectus*. In the case of *Eclectus*, **Omega** must be supplemented with plenty of sweet fruit.

Due to its great palatability, **Omega** formula is an ideal tool to transition birds from an all-seed diet to a pelleted one.

Daily intake ranges from 5-10 % of the animal's body weight. Medium-sized species (for example African Grey parrots) consume between 35-45 g. Environmental ambient temperature greatly influences consumption rate.

Analytical constituents: Crude protein 23.5 %, Crude fat 15.0 %.

Packaging: 800 g, 3 kg and 12 kg bags.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



FEEDING RECOMMENDATIONS FOR LORY GEL/LORY NECTAR AND LORY DIET



Actual size

- 1 Offer both **Lory Gel** and **Lory Nectar** at the same time in separate feeders. Birds will consume what they require of each formula according to their nutritional needs. Whenever chicks are in the nest, it is recommended that the birds also have available **Frugivorous Neonatal Hand-feeding** or **Lory Special Hand-feeding**, depending on their age.
- 2 Ideally offer the foods dry, without added water. This will improve the consistency of the birds' droppings. However, it is also possible to mix the food with water until a creamy texture is obtained.
- 3 Renew dry food daily. If offered mixed with water, the food must be renewed within a few hours to avoid spoilage.
- 4 Supplement with fresh fruit in order to add variety to the diet.
- 5 Close the bag after each use.
- 6 Do not add other vitamins or trace elements since the formula already contains the appropriate amount. Supplying these in excess can be harmful.
- 7 Ensure the bird has plenty of clean, fresh water at all times.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



Lory Gel

Lory Gel can be offered dry or with added water to adult parrots of the **Loriini Tribe** (lories and lorikeets). If offered mixed with water, the resulting texture should be creamy, neither too liquid nor too thick.

We recommend offering both **Lory Gel** and **Lory Nectar** together at the same time in separate feeders. Birds will consume the required amount of each product according to their nutritional needs.

During breeding season, the intake of **Lory Gel** will be higher.

Whenever chicks are present in the nest, it is advisable that the birds have **Frugivorous Neonatal Hand-feeding** or **Lory Special Hand-feeding** (depending on the chicks' age) also available.

As a guideline, these birds ingest from 8-16 g of dry Gel + Nectar per 100 g of body weight daily. Environmental ambient temperature greatly influences daily consumption.

Analytical constituents: Crude protein 17.0 %, Crude fat 8.0 %.

Packaging: 1 kg and 5 kg bags.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



Lory Nectar

Lory Nectar can be offered dry or with added water to adult parrots of the *Loriini* tribe. If prepared with water, we recommend using only a small amount to ensure the food is not diluted excessively.

We recommend offering both **Lory Gel** and **Lory Nectar** together at the same time in separate feeders. Birds will consume the required amount of each product according to their nutritional needs. Whenever chicks are present in the nest, it is advisable that the birds have **Frugivorous Neonatal Hand-feeding** or **Lory Special Hand-feeding** (depending on the chicks' age) also available.

As a guideline, these birds ingest from 8-16 g of dry **Gel + Nectar** per 100 g of body weight. Environmental ambient temperature greatly influences daily consumption.

Analytical constituents: Crude protein 7.0 %, Crude fat 3.0 %.

Packaging: 1 kg and 5 kg bags.



MAINTENANCE FORMULAS

Ideal for feeding outside the breeding season



Lory Diet

Lory Diet can be offered dry or with added water to adult parrots of the *Loriini* tribe. If prepared with water, we recommend using only a small amount to ensure the food is not diluted excessively.

It is a complete food which is very rich in sugars and contains dehydrated apple and whole egg. Whenever chicks are in the nest, we recommend the breeding pairs have **Frugivorous Neonatal Hand-feeding** or **Lory Special Hand-feeding** (depending on the chicks' age) also available.

As a guideline, these birds consume from 8-16 g of dry **Lory Diet** per 100 g of body weight. Environmental ambient temperature influences intake significantly.

Analytical constituents: Crude protein 13.0 %, Crude fat 5.0 %.

Packaging: 5 kg and 20 kg bags.



MULTI-SPECIES DRY FOODS

Suitable for medium and large parrot species



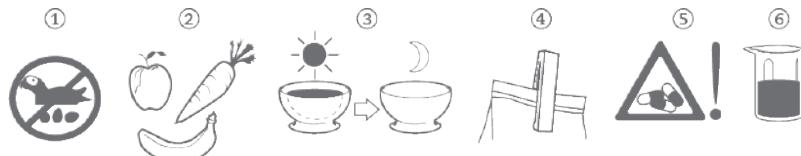
Multi-species formulas are generic, non-specific foods suitable for several species of medium and large parrots (*Amazona*, *Psittacus*, *Cacatua*, *Ara*, *Aratinga*).



Actual size

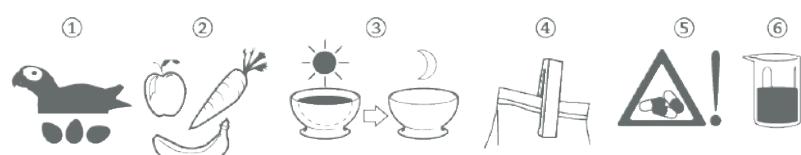
FEEDING RECOMMENDATIONS FOR PARROT MAINTENANCE

- 1 Recommended for non-breeding birds and for breeding pairs outside the breeding season.
- 2 Supplement with fresh fruit and vegetables to add variety to the diet.
- 3 Renew feeder with fresh food daily.
- 4 Close the bag after each use.
- 5 Do not add other vitamins or trace elements since the formula already contains the appropriate amount. Supplying these in excess can be harmful.
- 6 Ensure the bird has plenty of clean, fresh water at all times.



FEEDING RECOMMENDATIONS FOR PARROT BREEDER

- 1 Recommended for breeding birds during the breeding season.
- 2 Supplement with fresh fruit and vegetables to add variety to the diet.
- 3 Renew feeder with fresh food daily.
- 4 Close the bag after each use.
- 5 Do not add other vitamins or trace elements since the formula already contains the appropriate amount. Supplying these in excess can be harmful.
- 6 Ensure the bird has plenty of clean, fresh water at all times.



MULTI-SPECIES DRY FOODS

Suitable for medium and large parrot species



Parrot Maintenance

This versatile formula is suitable for a diverse group of medium and large parrot species (genera *Psittacus*, *Ara*, *Amazona*, *Cacatua*).

It has been formulated to meet maintenance requirements outside the breeding season.

Daily intake ranges from 5-12 % of the animal's body weight. Environmental ambient temperature influences intake significantly.

Analytical constituents: Crude protein 15.5 %, Crude fat 7.0 %.

Packaging: 15kg bag.



MULTI-SPECIES DRY FOODS

Suitable for medium and large parrot species



Parrot Breeder

This versatile formula is suitable for a diverse group of medium and large parrot species (genera *Psittacus*, *Ara*, *Amazona*, *Cacatua*).

It has been formulated to meet the increased nutritional requirements of birds during the reproductive stage and to stimulate and facilitate reproduction.

Daily consumption ranges from 5-12 % of body weight. Environmental ambient temperature influences intake significantly

Analytical constituents: Crude protein 21.6 %, Crude fat 11.0 %.

Packaging: 15 kg bag.



BREEDING FORMULAS

Ideal for stimulating reproduction



Breeding formulas are a complete diet formula with each pellet containing a full complement of nutrients. This negates the common problem of picky feeding as the pellet and its nutrients are consumed as a complete package. These foods have been specifically designed to stimulate reproduction.

Breeding formulas contain high levels of protein with a suitable amino acid profile for this life stage, with attention to their profile of fatty acids and the content of Omega-6 and Omega-3. The concentration of vitamins and antioxidants of these formulas is much higher than in the maintenance formulas in order to cover the greater nutritional requirements during breeding.

FEEDING RECOMMENDATIONS FOR BREEDING FORMULAS



Actual size

- 1 Formulas intended for breeding pairs during breeding season.
- 2 Supplement with fresh fruit and vegetables to add variety to the diet.
- 3 Renew feeder with fresh food daily.
- 4 Close the bag after each use.
- 5 Do not add other vitamins or trace elements since the formula already contains the appropriate amount. Supplying these in excess can be harmful. However we recommend breeding birds have **Calcium Grit** available at all times which will allow them to meet the increased calcium demands of egg-laying.
- 6 Ensure the bird has plenty of clean, fresh water at all times.



BREEDING FORMULAS

Ideal for stimulating reproduction



High Energy Breeding

Ideal for the reproductive stage of medium and large species (*Psittacus*, *Ara*, *Poicephalus*) which need a diet rich in high quality protein and also benefit from a fatty acid profile **rich in palmitic acid**.

Daily intake ranges between 5-10 % of the animal's body weight. Medium-sized species, such as the African Grey parrot, consume between 25-45 g. Environmental ambient temperature influences consumption significantly.

Analytical constituents: Crude protein 23.5 %, Crude fat 15.0 %.

Packaging: 12 kg bag.



BREEDING FORMULAS

Ideal for stimulating reproduction



High Protein Breeding

Ideal for the reproductive stage of medium and large-sized species (*Amazona*, *Cacatua*, *Psittacula*, *Pionus*) that need a diet rich in high quality protein and also benefit from a fatty acid profile **rich in oleic acid**.

Daily intake ranges from 5-10 % of their body weight. For example, a Blue-fronted Amazon will consume between 20-35 g daily. Environmental ambient temperature influences consumption significantly.

Analytical constituents: Crude protein 24.5 %, Crude fat 12.0 %.

Packaging: 12 kg bag..



BREEDING FORMULAS

Ideal for stimulating reproduction



BREEDING FORMULAS

Ideal for stimulating reproduction

FEEDING RECOMMENDATIONS FOR MICROSpheres® 20/10



Actual size

Microspheres® have been developed to provide rapid hydration while maintaining their spherical shape intact.

They can be offered either dry or wet. As a moist food, they are excellent to stimulate chick provisioning behaviour. **Microspheres®** can also be offered mixed with other foods, such as **Psittacus Eggfood** or chopped vegetables. Be sure to add only enough water to create a moist, loose and non-sticky mixture as this is the texture which is most preferred by the birds.



- 1 Pour two parts of **Microspheres®** in a bowl.
- 2 Add approximately 1 part water and mix
- 3 Let it stand for a minimum of 15 minutes.
- 4 Break up the mixture and serve directly, or add dry **Eggfood** and/or vegetables. The amount of water used to hydrate the **Microspheres®** will depend on the amount of added dry Eggfood.



Microspheres® 20/10

This micro-extruded formula is ideal for small parrots and should be offered mixed with water. It can be offered throughout the year, but is especially recommended during the breeding season when it should be used as a moist base for **Eggfood**.

Since it has been formulated as a complete food, there are no consumption restrictions and can be offered as often and as much as required. Environmental ambient temperature influences intake significantly.

Analytical constituents: Crude protein 20.0 %, Crude fat 10.0 %.

Packaging: 800 g and 3 kg bags.



BREEDING FORMULAS

Ideal for stimulating reproduction



FEEDING RECOMMENDATIONS FOR EGGFOOD

EGGFOOD

Actual size

- 1 **Psittacus Eggfood** is a balanced diet, intended to be used as a supplement to paired birds with chicks in the nest.
- 2 Do not use as an exclusive, only food.
- 3 Offer it dry in a separate feeder or mixed with hydrated **Microspheres® 20/10**.
- 4 Renew feeder with fresh food daily.
- 5 Close the bag after each use.
- 6 Do not add other vitamins or trace elements since the formula already contains the appropriate amount. Supplying these in excess can be harmful.
- 7 Ensure the bird has plenty of clean and fresh water available at all times.



BREEDING FORMULAS

Ideal for stimulating reproduction



Eggfood

Ideal for small species of the genera *Nymphicus*, *Agapornis*, *Pyrrhura*, *Neophema*, *Melopsittacus*.

Eggfood was designed to supplement the diet of the breeding pairs when they are rearing chicks. It can be offered dry or mixed with hydrated **Microspheres® 20/10**.

Consumption will vary greatly depending on the number and stage of development of the offspring.

Analytical constituents: Crude protein 22.0 %, Crude fat 15.0 %.

Packaging: 1 kg and 5 kg bags.



SUPPLEMENTS

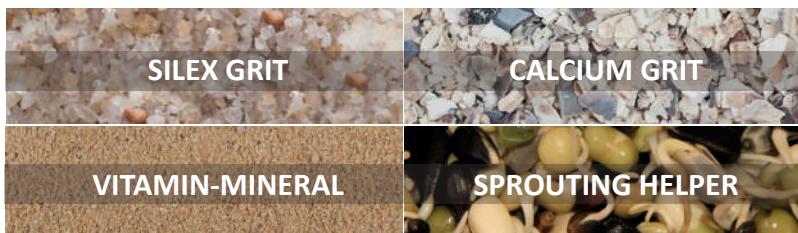
In **Psittacus** we focus all our efforts on the development of specific complete foods which guarantee an optimum and balanced nutrition. Even so, the supply of some complementary foods is recommended and important in some cases and may be perfectly justified in others.

This is the case of flint and calcium grits. The supply of flint sand (**Silex Grit**) is highly recommended because it guarantees the correct functioning of the gizzard of granivorous birds. This is true regardless of whether they are ingesting whole seeds or complete foods.

On the other hand, the availability of **Calcium Grit** is especially important in bird species with large clutches, in which calcium requirements may occasionally exceed the levels in the complete food itself.

A completely different case is that of the **Vitamin-Mineral Supplement**. The use of this supplement is completely inadvisable when birds are exclusively ingesting a complete food. On the other hand, its use is highly advisable in diets based on seed mixtures, since they are inherently deficient in some nutrients. In mixed diets of seeds and pellets, the level of inclusion of this supplement in the diet should be calculated according to the proportion of one or the other type of food.

Sprouting Helper is a very useful tool for those who prepare and supply sprouts. It facilitates their preparation and increases their shelf life.



Actual size

FEEDING RECOMMENDATIONS FOR SILEX GRIT

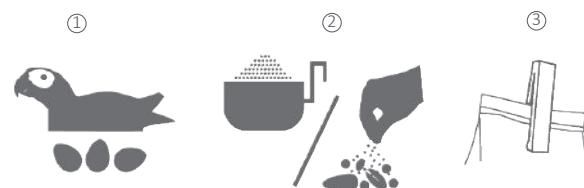
- 1 We recommend that our **Silex Grit** is freely available at all times in a separate feeder to all birds with granivorous feeding strategies. This is especially important in small-sized species highly specialized in grass seeds.
- 2 For bigger species, it will be enough to add a few grams of **Silex Grit** on the diet periodically (every 7-15 days).
- 3 The version **Fine** or **Coarse** should be chosen according to the size of the species.



SUPPLEMENTS

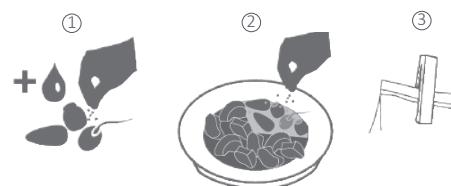
FEEDING RECOMMENDATIONS FOR CALCIUM GRIT

- 1 **Calcium grit** should be available all year round. Consumption is especially high during laying stages in females and growing periods in juvenile birds.
- 2 Recommended to be fed in a separate feeder. **Calcium Grit Coarse** can also be mixed together with the diet.
- 3 Close the bag after each use.



FEEDING RECOMMENDATIONS FOR VITAMIN-MINERAL SUPPLEMENT

- 1 It is advisable to mix the product with moist foods, such as germinated seeds, fruits and vegetables. The product should adhere to the food.
- 2 Supplement only the non-balanced part of the diet. Birds whose staple diet consist of at least 70 % of a **Psittacus** complete formula should not be supplemented.
- 3 Close the jar after each use.



FEEDING RECOMMENDATIONS FOR SPROUTING HELPER

- 1 This product is based on citrus extracts that facilitate the production of sprouts, minimizing the risk of fungal and bacterial growth.
- 2 Add to the water used for rinsing and hydrating the seeds for sprouting.
- 3 It is also ideal to extend the potable life of drinking water.



Silex Grit Fine/Coarse

Silex Grit is specially indicated for small highly granivorous psittacine birds (like common budgerigar, *Forpus*, *Agapornis*, *Neophemas*). However, it is also recommended to be offered to other granivorous species of bigger size.

This flint sand is calibrated to the optimum size to be ingested by these birds: 0.8-1.2 mm for small species and 1-2 mm for larger species. Its consumption is essential to guarantee an optimal functioning of the gizzard and the digestive tract in general.

Its function is purely mechanical and it should not be confused with **Calcium Grits** which have a nutritional function as a calcium source. Contrary to what happens with calcium grits, **Silex Grit Fine** and **Silex Grit Coarse** are insoluble and are not dissolved by gastric acids in the gizzard.

Silex Grit should be permanently available to the birds in an independent feeder.

The amount consumed will depend on the species and the diet offered. Species more highly specialised in the consumption of grass seeds will require a higher intake of **Silex Grit**.

Packaging Silex Grit Fine: 1 kg jar.

Packaging Silex Grit Coarse: 1.5 kg jar.



Calcium Grit Fine/Coarse

These are complementary foods for granivorous parrots.

Calcium Grit Fine is ideal for small-sized parrots, while **Calcium Grit Coarse** is aimed at medium and large parrots.

They have been designed to correct the calcium deficiencies inherent in seed mixtures and to provide for the increased calcium demands during egg-laying and growth. Birds are perfectly capable of self-regulating the intake of calcium-rich foods according to their needs.

Daily consumption will range between 0-2 % of dry diet.

Calcium Grit can be freely available in a separate feeder or mixed with the rest of the ingredients of the diet.

Analytical constituents: Crude protein 0.0 %, Crude fat 0.0 %, Calcium 37.7 % (fine), Calcium 37.5 % (coarse).

Packaging Calcium Grit Fine: 2 kg bag.

Packaging Calcium Grit Coarse: 8 kg bag.



Vitamin-Mineral Supplement

It is a complementary food for granivorous psittacine birds. It should be used exclusively to supplement diets based on seed mixtures.

Ideal to correct vitamin, mineral and trace element deficiencies of seed mixtures. This powdered product is designed to be incorporated to the moist mixture of sprouts, boiled seeds, fruit and vegetables.

Daily dose should be 4 % of the dry weight of seeds offered.

It is important that the supplement adheres to food so it should be sprinkled on the moist ingredients, such as sprouts, boiled seeds, fruit and vegetables, or on the whole diet if it contains moist ingredients.

The moist mixture enriched with this product should not be available to birds for more than 8 hours, or less time in higher ambient temperatures. Bacterial and fungal growths will unavoidably take place and could put the health of the birds at risk if left in place for too long.

Analytical constituents: Crude protein 30.0 %, Crude fat 9.0 %.

Packaging: 100 g and 700 g jar.



Sprouting Helper

This is a product based on citrus extracts that facilitates the production of sprouts, minimising the risk of fungal and bacterial growth.

This product should be added into the water used for rinsing and hydrating the sprouting seeds. It is also ideal to extend the potable life of drinking water.

For sprouts: Use a solution of 1-2 ml of Sprouting Helper per litre of water.

For drinking water: Use a solution of 0.25-0.5 ml of Sprouting Helper per litre of water.

Composition: Citrus extract, propylene glycol, excipient c.s.p. 100 %.

Packaging: 250 ml dosing bottle.



Bird Litter

Bird Litter is a natural bedding material produced from the central part of the corncob. It is indicated as an absorbent substrate for cages or facilities of all types of birds. **Bird Litter** is a calibrated, soft, dust-free and comfortable product, ideal for the interior of the nest of some bird species.

Composition: Corn cob

Bird Litter large particle size

Packaging: 5 L and 20 kg bags



Bird Litter small particle size

Packaging: 5 L and 12.5 kg bags



GUARANTEED ANALYSIS OF HAND-FEEDING FORMULAS AND SUPPLEMENTS



Hand-Feeding Formulas

Supplements

Parameter	Unit	High Energy HF	High Energy Plus HF	High Protein HF	Lory Special HF	Mini HF	Cockatoo Special HF	Eclectus Special HF	General Recovery	Psittacine Crop Milk	Frugivorous Psittacine Crop Milk	Neonatal Hand Feeding	Frugivorous Neonatal	Calcium Grit Fine	Calcium Grit Coarse	Silex Grit Fine/Coarse	Vitamin Mineral
Humidity	%	8.0	8.0	8.0	8.0	8.0	8.0	8.0	6.0	6.0	6.0	8.0	8.0	3.0	3.0	5.0	7.0
Metabolic energy	Kcal/Kg	3,700	3,900	3,210	3,390	3,190	3,130	3,470	3,910	4,920	4,370	3,710	3,720	0	0	0	2,600
Crude Protein	%	18.0	17.0	20.5	20.0	21.5	21.0	20.0	35.0	44.0	39.0	24.0	29.0	0	0	0	30.0
Methionine	%	0.5	0.5	0.6	0.6	0.6	0.6	0.6	1.1	1.4	1.3	0.7	0.9	0	0	0	1.6
Lysine	%	1.0	1.0	1.1	1.2	1.2	1.2	1.1	2.2	2.9	2.5	1.5	1.8	0	0	0	1.1
Crude Fat	%	20.0	25.0	10.0	14.0	10.0	10.0	15.0	19.0	40.0	29.5	20.0	19.0	0	0	0	9.0
Crude Fibre	%	4.7	4.7	4.8	4.5	4.8	5.7	4.6	0.2	2.4	2.8	4.1	3.8	0	0	0	3.7
Ash	%	6.9	7.0	5.9	5.7	6.9	5.9	5.8	5.9	6.7	6.7	6.9	5.4	97.0	97.0	95.0	17.0
Calcium	%	0.9	0.9	0.9	0.7	0.6	0.6	0.8	0.8	0.8	0.8	0.9	0.8	37.7	37.5	0	3.1
Av. Phosphorous	%	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.5	0.5	0.5	0.1	0.1	0	1.9
Vit. A retinol	U.I./Kg	4,100	4,600	4,700	3,300	4,600	4,400	4,800	5,000	4,000	4,000	4,000	4,100	0	0	0	127,000
Vit. A activ.	U.I./Kg	90,000	25,000	45,000	50,000	35,000	35,000	65,000	50,000	125,000	100,000	65,000	55,000	0	0	0	540,000
Vit. D3	U.I./Kg	1,100	1,100	1,100	1,000	1,100	1,100	1,100	1,500	1,200	1,300	1,000	1,200	0	0	0	38,000
Vit. E	mg/Kg	300	300	250	240	270	270	300	500	300	330	300	300	0	0	0	10,000
Vit. C	mg/Kg	200	200	210	150	200	200	170	300	200	200	200	240	0	0	0	5,000
Vit. K3	mg/Kg	5.0	5.0	5.0	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0	0	0	125
Vit. B1	mg/Kg	25	25	25	22	25	25	25	40	25	25	25	25	0	0	0	800
Vit. B2	mg/Kg	20	20	20	17	20	20	20	30	20	20	20	20	0	0	0	700
Vit. B6	mg/Kg	25	25	25	22	25	25	25	35	25	25	25	25	0	0	0	800
Vit. B12	mcg/Kg	100	100	100	85	100	100	100	120	100	100	100	100	0	0	0	3,000
Pantothenic acid	mg/Kg	20	20	20	17	20	20	20	30	20	20	20	20	0	0	0	700
Nicotinic acid	mg/Kg	125	125	125	105	125	125	125	130	125	125	125	125	0	0	0	3,200
Folic acid	mg/Kg	5.0	5.0	5.0	4.0	5.0	5.0	5.0	7.0	5.0	5.0	5.0	5.0	0	0	0	160
Biotin	mcg/Kg	800	800	800	700	800	800	800	1,100	800	800	800	800	0	0	0	25,000
Choline	mg/Kg	1,500	1,600	1,700	1,200	1,700	1,600	1,400	1,800	1,400	1,600	1,300	1,500	0	0	0	45,000
B-carotene	mg/Kg	50	12	25	30	18	18	37	27	60	60	40	33	0	0	0	250
Manganese	mg/Kg	69	78	81	57	79	77	78	79	65	65	60	69	0	0	0	1.780
Iodine	mg/Kg	0.8	0.9	0.9	0.7	0.9	0.9	0.9	1.0	0.8	0.8	0.7	0.8	0	0	0	25
Zinc	mg/Kg	54	77	56	47	54	56	50	45	56	50	56	52	0	0	0	770
Iron	mg/Kg	168	172	166	110	143	133	140	125	105	106	169	153	0	0	0	1.280
Copper	mg/Kg	7.0	7.0	8.0	6.0	8.0	7.0	6.0	6.0	7.0	6.0	7.0	6.0	0	0	0	24
Selenium	mcg/Kg	280	300	300	230	300	300	300	340	240	210	240	280	0	0	0	8,500

GUARANTEED ANALYSIS OF MAINTENANCE, BREEDING AND MULTI-SPECIES FORMULAS



Parámetro	Unidad	Maintenance Formulas						Breeding Formulas				Multi-species				
		High Energy	High Protein	Mini	Minor	Micro	Omega	Lory Gel	Lory Nectar	Lory Diet	Microspheres 20/10	Eggfood	High Energy Breeding	High Protein Breeding	Parrot Maintenance	Parrot Breeder
Humidity	%	8.0	8.0	8.0	8.0	10.0	8.0	8.0	6.0	8.0	8.0	10.0	8.0	8.0	8.0	8.0
Metabolic energy	Kcal/Kg	3,220	3,050	3,210	3,380	3,380	3,480	3,100	2,570	2,870	3,340	3,740	3,480	3,320	3,150	3,210
Crude Protein	%	17.0	21.5	15.1	18.0	16.0	23.5	17.0	7.0	13.0	20.0	22.0	23.5	24.5	15.5	21.6
Methionine	%	0.4	0.5	0.3	0.5	0.5	0.7	0.5	0.2	0.5	0.6	0.6	0.7	0.7	0.3	0.5
Lysine	%	1.0	1.2	0.8	0.9	0.8	1.4	0.9	0.4	0.8	1.0	1.2	1.4	1.5	0.9	1.2
Crude Fat	%	11.0	8.0	7.5	10	7.5	15.0	8.0	3.0	5.0	10.0	15.0	15.0	12.0	7.0	11.0
Crude Fibre	%	4.4	5.1	4.3	4.0	3.2	5.1	4.3	4.8	3.6	4.0	3.5	5.1	5.2	4.5	4.9
Ash	%	5.2	5.7	4.3	4.8	4.1	5.8	4.4	3.2	3.8	4.7	4.9	5.8	5.9	5.2	5.7
Calcium	%	0.7	0.8	0.5	0.5	0.4	0.8	0.6	0.3	0.6	0.5	0.6	0.8	0.8	0.7	0.7
Av. Phosphorous	%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.4	0.4
Vit. A retinol	U.I./Kg	4,000	4,000	4,000	5,000	5,000	4,700	3,300	2,500	2,750	5,000	5,000	4,700	4,800	4,000	4,000
Vit. A activ.	U.I./Kg	20,000	20,000	20,000	30,000	25,000	60,000	40,000	50,000	30,000	25,000	55,000	60,000	25,000	20,000	25,000
Vit. D3	U.I./Kg	1,300	1,400	1,100	1,100	1,100	1,500	1,000	550	800	1,100	1,400	1,500	1,500	1,500	1,500
Vit. E	mg/Kg	240	190	300	250	210	400	180	110	140	250	230	400	300	190	350
Vit. C	mg/Kg	140	100	100	200	200	200	75	35	50	200	200	200	200	100	150
Vit. K3	mg/Kg	4.0	4.0	4.0	4.0	5.0	5.0	4.2	2.5	3.3	5.0	5.0	5.0	5.0	4.0	5.0
Vit. B1	mg/Kg	20	20	20	20	25	25	20	14	20	25	25	25	25	20	25
Vit. B2	mg/Kg	16	16	16	16	20	20	16	10	13	20	20	20	20	16	20
Vit. B6	mg/Kg	20	20	20	20	25	25	20	14	17	25	25	25	25	20	25
Vit. B12	mcg/Kg	80	80	80	80	100	100	80	50	65	100	100	100	100	80	100
Pantothenic acid	mg/Kg	16	16	16	16	20	20	16	10	13	20	20	20	20	16	20
Nicotinic acid	mg/Kg	100	100	100	100	125	125	100	65	80	125	125	125	125	100	125
Folic acid	mg/Kg	4.0	4.0	4.0	4.0	5.0	5.0	4.0	2.5	3.2	5.0	5.0	5.0	5.0	4.0	5.0
Biotin	mcg/Kg	700	700	700	700	800	800	700	400	550	800	800	800	800	700	800
Choline	mg/Kg	1,400	1,400	1,400	1,400	1,800	1,700	1,100	900	1,000	1,800	1,800	1,700	1,700	1,400	1,500
B-carotene	mg/Kg	10	10	12	15	12	40	22	30	16	15	30	40	15	10	12
Manganese	mg/Kg	72	60	70	85	76	81	55	39	46	86	76	81	84	70	74
Iodine	mg/Kg	0.8	0.8	0.8	1.0	1.0	1.0	0.7	0.5	0.6	1.0	1.0	1.0	1.0	0.8	0.8
Zinc	mg/Kg	60	49	49	58	72	57	55	24	40	59	63	57	60	58	59
Iron	mg/Kg	155	68	109	120	75	148	89	70	89	125	87	148	155	151	148
Copper	mg/Kg	9.0	7.0	7.0	7.0	8.0	8.0	7.0	3.0	5.0	8.0	7.0	8.0	8.0	7.0	8.0
Selenium	mcg/Kg	270	270	270	300	300	300	230	170	190	300	300	300	300	270	280



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