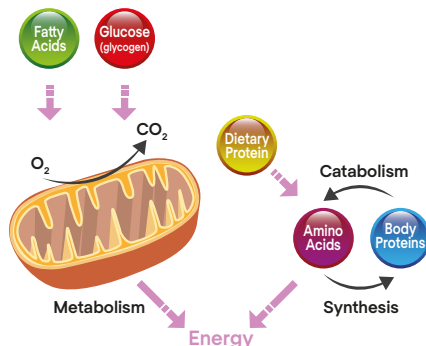


PERFORMANCE NUTRITION FOR HIGHLY ACTIVE DOGS

PURINA® PRO PLAN® ALL SIZE ADULT Performance has been specially formulated to provide the nutrients needed for peak performance activity.

It improves:

- Oxygen metabolism for optimised beta-oxidation of fatty acids and energy production.
- Sparing of amino acids and carbohydrates during exercise, to allow better recovery between bouts of exercise.



THE BENEFIT OF HIGH FAT IN THE DIET OF HIGHLY ACTIVE DOGS

Successfully improving the endurance capabilities of dogs is based on **enhancing oxidation of fat for energy and sparing the use of more limited nutrient stores.**

Studies undertaken by Nestlé PURINA® have demonstrated:

- A 27% increase in maximal oxygen consumption and maximal fat oxidation when the diet of trained active dogs is changed from a low to a high fat content¹.

- Dogs fed high fat diets use their glycogen stores at only half the rate of dogs fed a high carbohydrate diet, and mobilise their fat stores twice as fast².

THE BENEFIT OF CARBOHYDRATES IN THE DIET OF HIGHLY ACTIVE DOGS

Adding carbohydrates to the diet has no real impact on performance levels in these dogs, but dietary carbohydrates can

help maintain dogs' glycogen stores, enabling repeated episodes of exercise and work on a long-term basis.

THE BENEFIT OF PROTEIN IN THE DIET OF HIGHLY ACTIVE DOGS

Studies have shown that a diet containing a **minimum of 24% of metabolisable energy from protein** facilitates³:


- Optimal maximal oxygen consumption values (VO₂ max) to be maintained during training.

- A reduction in the incidence of soft tissues injuries.

1. Reynolds *et al.* (1995) Effect of diet and training in on muscle glycogen storage and utilisation in sled dogs. *J. Applied Physiol.* **79**: 1601-1607.
 2. Reynolds *et al.* (1994) Lipid Metabolite Responses to Diet and Training in Sled Dogs *J. Nut.*, **124**: 2754S-2759S.
 3. Reynolds *et al.* (1999) Effect of protein intake during training on biochemical and performance variables in sled dogs. *Am J Vet Res.* **60** (7):789-95.

ALL SIZE ADULT
PERFORMANCE

Complete pet food for all sizes of active adult dogs.
Also suitable for gestating / lactating bitches.



Supports
endurance and
aids rapid muscle
recovery



14 kg

KEY
BENEFITS

- ✓ Endurance exercise
- ✓ Intense physical activity
- ✓ Gestation and lactation



Increased endurance for highly active and working dogs thanks to high protein and fat levels



Formulated to aid rapid muscle recovery



A combination of key nutrients that helps to support healthy joints for your dog's active lifestyle

Omega-3 fatty acids and high protein levels help to support healthy joints

COMPOSITION
& KEY NUTRIENTS

COMPOSITION

High quality chicken (including back and chest) (21%), dried poultry protein, wheat, animal fats, rice (8%), soya meal, corn protein meal, digest, dried beet pulp, corn, minerals, fish oil, dried egg.

KEY NUTRIENT VALUES*			
Moisture	8.0%	Phosphorus	1.03%
Protein	31.0%	Vitamin A	21065 IU/kg
Fat	21.0%	Vitamin D ₃	1185 IU/kg
		Vitamin E	475 IU/kg
		Vitamin C	70 mg/kg
		Taurine	1047 mg/kg
Carbohydrate	30.5%	Metabolisable energy (ME) ¹	415kcal/100g
Crude fibre	2.0%		
Calcium	1.59%		

* Typical analysis in the final product as fed. ¹ Calculated following NRC 2006 equations.

FEEDING
GUIDELINES

DAILY FEEDING QUANTITY (g/day)						
ADULT MAINTENANCE				BASED ON PREGNANCY STAGE		
Body weight (kg)	Active (1-3 h/day)	Highly active (3-6 h/day)	Intensely active (more than 6 h/day)	Mother Body Weight (kg)	Gestation 6 – 9 weeks	Lactation
1	40	45	55	1	35 – 45	Ad libitum
10	180	205	260	10	170 – 220	
25	330	375	485	25	320 – 405	
35	415	475	605	35	400 – 510	
45	490	560	715	45	470 – 600	
70	660	750	965	70	635 – 810	