

## UTI CAT FOOD COMPARISON CHART

Young Again believes that urinary tract infections, crystals and kidney problems in today's cat are due mainly to excessive minerals consumed by our cats as they age.

Once your cat reaches 2-3 years of age they begin to over consume foods that contain high carbs. This over consumption of food is also why most cats today are overweight. Young Again contains less than 5% carbs and is made from animal protein which means your cat will consume half as much of our food versus the high carb competitors' food. The reason is simple; protein digests slowly and properly to efficiently fuel your cat's metabolism over longer periods of time.

If you have two diets and both contain 1% calcium (Ca) and .8% phosphorous (P). Diet one is loaded with carbs so a cat needs to eat 70g a day of this diet to feel satiated. Diet two (Young Again Cat Food) is full of protein and fat so the same cat would only need to eat 30g to get their daily requirement of nutrients. The cat eating diet one receives twice as many minerals as the cat eating diet two because they are consuming twice as much food.

Following the UTI comparison charts you will find a more detailed discussion on this topic.

Ingredients in red on the chart below are comprised of cereal grains, fruits, vegetables, grasses, plant proteins, forage material and/or other ingredients that contain plant protein. Plant based ingredients that are included as sources of non-digestible dietary fiber are exempt and not shown in red (examples Tomato Pomace, Beet Pulp, Cellulose, Guar Gum and Pea Fiber). Potato Starch, although a plant material, is not shown in red because it contains no plant proteins. However it is still important that the total amount of digestible carbohydrates in the diet remains less than 5%, matching the body composition of a juvenile mouse.

**YOUNG AGAIN PHILOSOPHY:** The Young Again Philosophy is that digestible carbs in excess of 5% should not be fed to obligate carnivores like your cat. Young Again also believes that you should feed free choice and not have to restrict feed or portion control your cat to promote proper weight.

Chart 1 of 3		UTI CAT FOOD BRAND						
Ingredients	Ingredients in red are plant products that we believe should not be fed to cats	Young Again Zero Carb Cat Food	Young Again 50/22 Cat Food	Purina Veterinary Diets UR Urinary St/Ox	Purina Veterinary Diets NF Kidney Function	Royal Canin Veterinary Diets Urinary SO	Royal Canin Veterinary Diets Urinary SO Moderate Calorie	Purina One Urinary Tract Health Formula
	1st ingredient	Chicken Meal	Chicken Meal	Corn Gluten Meal	Brewers Rice	Chicken Meal	Chicken Meal	Corn Gluten Meal
	2nd ingredient	Pork Protein Concentrate	Pork Protein Concentrate	Chicken	Corn	Brewers Rice	Brewers Rice	Corn
	3rd ingredient	Poultry Fat	Poultry Fat	Poultry By Product Meal	Corn Gluten Meal	Corn Gluten Meal	Corn Gluten Meal	Chicken
	4th ingredient	Natural Chicken Flavor	Potato Starch	Brewers Rice	Soybean Meal	Corn	Corn	Brewers Rice
	5th ingredient	Herring Meal	Tomato Pomace (source of fiber)	Oat Fiber	Animal Fat	Chicken Fat	Powdered Cellulose	Wheat Flour
	6th ingredient	Cellulose (source of fiber)	Herring Meal	Wheat Gluten	Animal Digest	Natural Flavors	Wheat Gluten	Animal Fat
	7th ingredient	Fish Oil	Natural Chicken Flavor	Corn	Fish Meal	Soy Protein Isolate	Natural Flavors	Egg Product
Analysis	Fruit/Veggies/Grasses	NO	NO	NO	NO	YES	NO	NO
	Protein % min	55	50	40	25	33	32	31
	Fat % min	24	22	11	10	14	9	12.5
	Crude Fiber % max	4	4	4	2	4.5	9	2
	Total Dietary Fiber %	9	9	Not Available	Not Available	Not Available	Not Available	Not Available
	Ash % max	6.6	6.2	Not Available	Not Available	Not Available	Not Available	6.2
	Moisture % max	10	10	12	11	9	9	10
	Carbohydrate %	0%-Trace Grain-Free	4.63% Lab Analysis Grain-Free	27.48% *NFE Estimate	40.82% *NFE Estimate	30.7% *NFE Company Supplied	36% *NFE Company Supplied	39.58% *NFE Estimate
	Promotes increased water intake	NO	NO	YES	NO	YES	YES	Not Available

\* NFE Company Supplied = pet food company has supplied the carbohydrate level of their diet.

\* NFE Calculated=pet food Company Supplied Guaranteed Analysis for Protein, Fat, Fiber, Moisture and Ash which can then be added together and subtracted from 100 to calculate the estimated carbohydrate contents of the food or NFE.

\* NFE Estimate = Companies have supplied the percent of protein, fat, fiber and moisture in the diet but did not supply the Ash Content. We have estimated the Carbohydrate content of these diets by assuming an ash content of 7%. Typical ash content for almost all cat foods is usually between 6-10%.

All information was taken from individual company websites between Sept 8th- Sept 22, 2011. We will update this information when any company supplies us with newly published data.

Chart 2 of 3		UTI CAT FOOD BRAND						
Ingredients	Ingredients in red are plant products that we believe should not be fed to cats	Young Again Zero Carb Cat Food	Young Again 50/22 Cat Food	Purina Pro Plan Urinary Tract Health Formula	Iams Veterinary Formula Urinary-S Low pH/S	Iams Veterinary Formula Urinary-O Moderate pH/O	Hills Prescription Diet c/d Multicare Feline Bladder Health	Hills Prescription Diet c/d Multicare Feline Bladder Health with Chicken
	1st ingredient	Chicken Meal	Chicken Meal	Corn Gluten Meal	Corn Grits	Corn Grits	Brewers Rice	Brewers Rice
	2nd ingredient	Pork Protein Concentrate	Pork Protein Concentrate	Chicken	Chicken Liver	Chicken	Corn Gluten Meal	Corn Gluten Meal
	3rd ingredient	Poultry Fat	Poultry Fat	Wheat Flour	Chicken By Product Meal	Chicken By Product Meal	Chicken By Product Meal	Chicken By Product Meal
	4th ingredient	Natural Chicken Flavor	Potato Starch	Brewers Rice	Chicken	Chicken Liver	Pork Fat	Pork Fat
	5th ingredient	Herring Meal	Tomato Pomace (source of fiber)	Corn	Herring Meal	Chicken By Products	Chicken Liver Flavor	Chicken
	6th ingredient	Cellulose (source of fiber)	Herring Meal	Animal Fat	Brewers Rice	Herring Meal	Fish Oil	Chicken Liver Flavor
	7th ingredient	Fish Oil	Natural Chicken Flavor	Egg Product	Dried Egg Product	Dried Egg Product	Potassium Chloride	Fish Oil
Analysis	Fruit/Veggies/Grasses	NO	NO	NO	NO	NO	NO	NO
	Protein % min	55	50	31	32	33	36.1	34.6
	Fat % min	24	22	14	15.5	14	16.7	16.2
	Crude Fiber % max	4	4	2	2.5	4.5	0.5	0.5
	Total Dietary Fiber %	9	9	Not Available	Not Available	Not Available	Not Available	Not Available
	Ash % max	6.6	6.2	6.2	7.2	Not Available	Not Available	Not Available
	Moisture % max	10	10	10	10	9	0	0
	Carbohydrate %	0%-Trace Grain-Free	4.63% Lab Analysis Grain-Free	38.03% *NFE Estimate	33.89% *NFE Estimate	33.58% *NFE Estimate	41.1% *NFE Company Supplied	43.3% *NFE Company Supplied
	Promotes increased water intake	NO	NO	Not Available	Not Available	Not Available	Not Available	Not Available

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Chart 3 of 3		UTI CAT FOOD BRAND					
Ingredients	Ingredients in red are plant products that we believe should not be fed to cats	Young Again Zero Carb Cat Food	Young Again 50/22 Cat Food	Hills Prescription Diet k/d Feline Renal Health	Hills Prescription Diet s/d Feline Dissolution	9 Lives Plus Care	Wysong Uretic
	1st ingredient	Chicken Meal	Chicken Meal	Brewers Rice	Brewers Rice	Corn	Chicken
	2nd ingredient	Pork Protein Concentrate	Pork Protein Concentrate	Corn Gluten Meal	Chicken By Product Meal	Corn Gluten Meal	Chicken Giblets
	3rd ingredient	Poultry Fat	Poultry Fat	Pork Fat	Pork Fat	Poultry By Product Meal	Oat Groats
	4th ingredient	Natural Chicken Flavor	Potato Starch	Chicken By Product Meal	Corn Gluten Meal	Wheat	Fish Oil
	5th ingredient	Herring Meal	Tomato Pomace (source of fiber)	Dried Egg Product	Dried Egg Product	Animal Digest	Salt
	6th ingredient	Cellulose (source of fiber)	Herring Meal	Dried Chicken	Calcium Sulfate	Animal Fat	Dried Whey
	7th ingredient	Fish Oil	Natural Chicken Flavor	Powdered Cellulose	Lactic Acid	Meat & Bone Meal	DL-Methionine
Analysis	Fruit/Veggies/Grasses	NO	NO	NO	NO	NO	YES
	Protein % min	55	50	27.9	33.6	31	32
	Fat % min	24	22	21.9	26.2	9	15.5
	Crude Fiber % max	4	4	2.1	0.6	3	4
	Total Dietary Fiber %	9	9	Not Available	Not Available	Not Available	Not Available
	Ash % max	6.6	6.2	Not Available	Not Available	Not Available	Not Available
	Moisture % max	10	10	0	0	12	12
	Carbohydrate %	0%-Trace Grain-Free	4.63% Lab Analysis Grain-Free	43.5% *NFE Company Supplied	32.6% *NFE Company Supplied	40.16% *NFE Estimate	31.18% *NFE Estimate
	Promotes increased water intake	NO	NO	Not Available	Not Available	Not Available	Not Available

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## MORE ON UTI AND CAT FOOD

### Controversy

Research suggests that cats fed on a dry diet will take in half the amount of water, as a cat fed on a canned diet. The thirst drive issue in cats is certainly a curious one. If true, then cats do not drink when they become thirsty or their thirst mechanism does not kick in until there is damage to the cat's system. If this is true, then it is true no matter the diet. A cat would not drink enough water on either a dry or wet diet because their system is somehow flawed (unlikely). To our knowledge, no wet food on the market supplies all the hydration needs of a cat. Cats still need free access to fresh, liquid water to maintain proper hydration. If their water regulation system is inherently flawed, then it would also prevent them from drinking properly when they were consuming a wet diet.

Many "studies" have shown that a cat on canned food consumes (by ratio of water to dry matter) double the amount of water when compared to a cat eating dry food when all sources of water are considered. That is certainly the case if they are eating more than twice as much dry food versus wet food when compared to a dry matter basis.

The average 8 lb cat will need 156g of wet canned food each day to meet their energy requirements. The average canned food has 78% water. Young Again dry cat food has 7% water so we need to compare foods at the same moisture content. If we dry the canned diet down to 7% moisture that works out to only 35g of actual food your cat consumes each day, the rest is water.

Feeding the same cat Young Again each day, he will only consume 30g when fed free choice, performing even better than canned food. However, the average dry diet contains less than 42% protein (usually 35% protein) and the average 8 lb cat will consume 65-75g of these diets each day, when fed free choice. This skews the ratio of dry food intake to water intake seemingly showing a cat to be in a constant state of dehydration.

We believe that the dehydration theory is due to feeding a diet of excessive carbohydrates and plant proteins. Studies have shown that cats process water more slowly than other animals. Properly balanced protein and fat, which is your cat's natural diet, will digest at the same rate that your cat processes and digests water, the two are synchronized. This synchronized relationship between water and animal protein conserves energy and makes the cat, in the desert environment, extremely efficient at balancing water usage with nutrient intake and digestion.

Carbohydrates and plant materials digest faster than meat protein and supply excess energy to the cat's blood stream. This overloads your cat's metabolic needs and causes them to store the excess energy as body fat. If their diet is properly balanced, few cats will become overweight when fed Young Again free choice. Cats fed a diet high in carbohydrates and plant materials will often consume more than twice the amount of food they need each day. This over consumption generally increases with age and in a few years, your cat is consuming vast quantities of food, while his ability to metabolize water remains the same. This constant state of minor dehydration, we believe, is a leading contributor to bladder crystals and other UT issues.

Because Young Again matches Nature's nutrient profile, your cat's diet is synchronized with their consumption of water as nature intended. And when the nutrition you feed your cat matches nature's, your cat will live a longer and healthier life.