

Star★Yeast®

| Inactive Dried Yeast

Yeasts are traditionally widely used in dog and cat food because they are vegetable sources of high protein value, have an excellent balance of amino acids, and high levels of B-complex vitamins. They are also characterized by a high concentration of glutamic acid, giving them high palatability, making the feed more attractive, and increasing the animal intake.

StarYeast® is a 100% natural ingredient from *Saccharomyces cerevisiae* yeast fermentation using sugarcane juice as substrate.

This material presents the result of a test held at Kennelwood where the goal was to compare the palatability of **StarYeast®** inactive molasses yeast as an alternative to brewer's yeast, traditionally used in pet food.

Experimental Data

- ★ **Animals** – 20 Beagle dogs (male and female)
 - ★ **Trial period** - 2 days
 - ★ **Treatments:** 1. Basal diet + 1% Star Yeast, 2. Basal diet + 1% Brewer's yeast
- 800 g of each ration were offered in a panel of 20 dogs
- The positions of the feeders were reversed daily to prevent "left-right" trends
- The products application were "on top" over extruded feed
- ★ **Statistics** - Student T-test

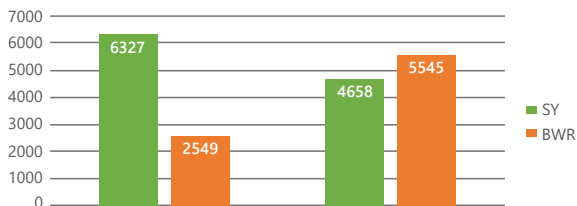
Composition of basal diet

Ground corn, poultry by-product flour, wheat flour, oats, beet pulp, white rice, pork and bone meal, flaxseed, brewer's dried yeast, potassium chloride, vitamins [choline chloride, vitamin E, ascorbic acid, calcium carbonate, riboflavin supplement, niacin supplement, calcium pantothenate, vitamin A supplement, vitamin D3 supplement, pyridoxine hydrochloride, d-biotin, vitamin B12 supplement, thiamine mononitrate, folic acid], salt, dry whey, minerals [zinc sulfate, manganese sulfate, ferrous sulfate, magnesium sulfate, zinc protein, ferrous protein, manganese protein, copper sulfate, magnesium protein, copper protein, calcium iodate], Sodium Selenite, Choline Chloride, Antioxidant.

Results

GRAPH 1: TOTAL CONSUMPTION OF THE 20 DOGS ON DAY 1 AND DAY 2.

StarYeast® was widely preferred on both days. The repartition of consumption was closer. On all experiments, StarYeast® was the preference at a ratio of 1,36 to 1, based on the total consumption. Although, according to the student t-test, no significant difference has been observed between the two diets.



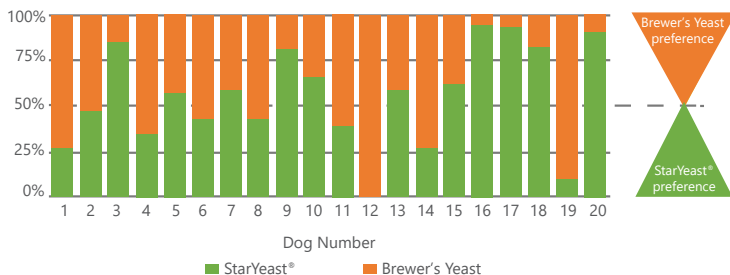
Student's t-test: paired with two samples for obtaining the average. The calculated value of "t" is 1.07.

5% significance level

The table distribution value of "t" is 2.09. Therefore no preference exists at a 5% level of significance.

GRAPH 2: PREFERENCE OF EACH DOG AND DISTRIBUTION OF DIET CONSUMPTION FOR EACH DOG.

Example: Dog N°1 consumes around 25% of the diet with StarYeast and 75% with brewer yeast. The result shows that 11 dogs on 20 preferred StarYeast®.



Star★Yeast®

- ★ was the preference at a ratio of 1.36 to one based on total consumption.
- ★ was the first approach on 10 out of 40 occasions
- ★ was first consumed on 21 of 40 occasions
- ★ was preferred among 11 out of 20 dogs.

Indicated use:

Proteic and palatant ingredient for pet food composition. It will be added "on top" or into the feed.

Packaging: 25 kg.

Expiry date: 24 months after the manufacture date.