



2017 PetBrew Geriatric Dog Case Study Group Report

Introduction

Since the launch of PetBrew in 2015, dog owners have reported a range of positive effects including calmer & quieter dogs, improvements to overall condition, improved skin/coat condition, and improved freedom of movement.

Also reported have been improvements in the well-being and quality of life of older dogs.

PetBrew is unique in the marketplace. It is a fresh fermentation product with a limited shelf life that contains high numbers of live, active probiotic microbes (minimum 10^8 CFU/dose lactobacilli) and a complex of metabolites including beneficial organic acids (butyric acid, lactic acids, acetic acid, their esters, etc.).

We assert these unique characteristics are responsible for the effects described below.

Method

In August 2017, we invited dog owners via Facebook to participate in a case study group for geriatric dogs.

Participants were self-selected. They agreed to follow the case study protocol, take before and after photographs, and diligently fill in the online start and finish surveys.

Dogs included in the trial received PetBrew daily for 30 days with the product mixed into feed and with the daily dose split if feeding twice or more daily. Small dogs received 10ml, medium dogs 20ml, and large dogs 30ml per day.

We asked participants to report the body condition score (BCS) of their dog, its age-related issues, overall skin condition, freedom of movement, its mood/demeanor, and fecal & urinary continence (housebreaking).

Participants used a system of visual assessment for BCS with scores ranging from 1 to 9 with 1 being emaciated/starving and 9 being morbidly obese. This same scale (1-9, with 1 being terrible and 9 near perfect) was used to score the other categories, i.e., skin/coat condition, freedom of movement, mood, and continence of urine & feces.

Nine participants finished the course of product administration and completed the online survey recording their observations.



Results

On average dogs Body Condition Score (BCS) increased by 0.7 from 4.3 to 5, i.e., optimum body condition.

Age related issues improved from 4.2 to 6.1.

Coat/skin condition improved by over two scoring points from 5.3 to 7.6

Freedom of movement improved from 4.4 to 6.1

Mood/demeanor improved from 5.8 to 7.0.

Three owners reported improvement in fecal continence (housebreaking) in their dogs resulting in an improvement on average from 8.1 to 8.7.

Urinary continence was improved in four dogs resulting in the average increasing from 8.0 to 8.4.

Conclusion

Administration of PetBrew improved the quality of life for geriatric dogs and their owners.



Table 1 Effects of PetBrew® on quantitative and qualitative aspects of older dog health and management.

	BCS		Age Issues		Coat/Skin		Movement		Mood		Stool		Urine	
	5	5	7	7	9	9	6	6	9	9	9	9	9	9
	5	6	4	7	4	7	4	7	5	9	6	9	6	7
	2	4	3	7	3	6	3	7	5	8	8	8	7	8
	3	4	3	6	5	6	5	6	6	7	8	9	8	9
	5	5	5	8	7	9	7	8	7	8	9	9	9	9
	4	5	5	6	4	7	4	7	4	7	9	9	9	9
	5	5	4	6	4	8	3	6	6	8	6	7	7	8
	5	6	3	3	8	9	5	4	5	3	9	9	9	9
	5	5	4	5	4	7	3	4	5	4	9	9	8	8
Average	4.3	5.0	4.2	6.1	5.3	7.6	4.4	6.1	5.8	7.0	8.1	8.7	8.0	8.4
	p = 0.01		p < 0.005		p < 0.0005		p < 0.01		p = 0.05		NS		p < 0.02	

p values were obtained via a paired two sample t-test

* NS = not statistically significant at p = or < 0.05

Before

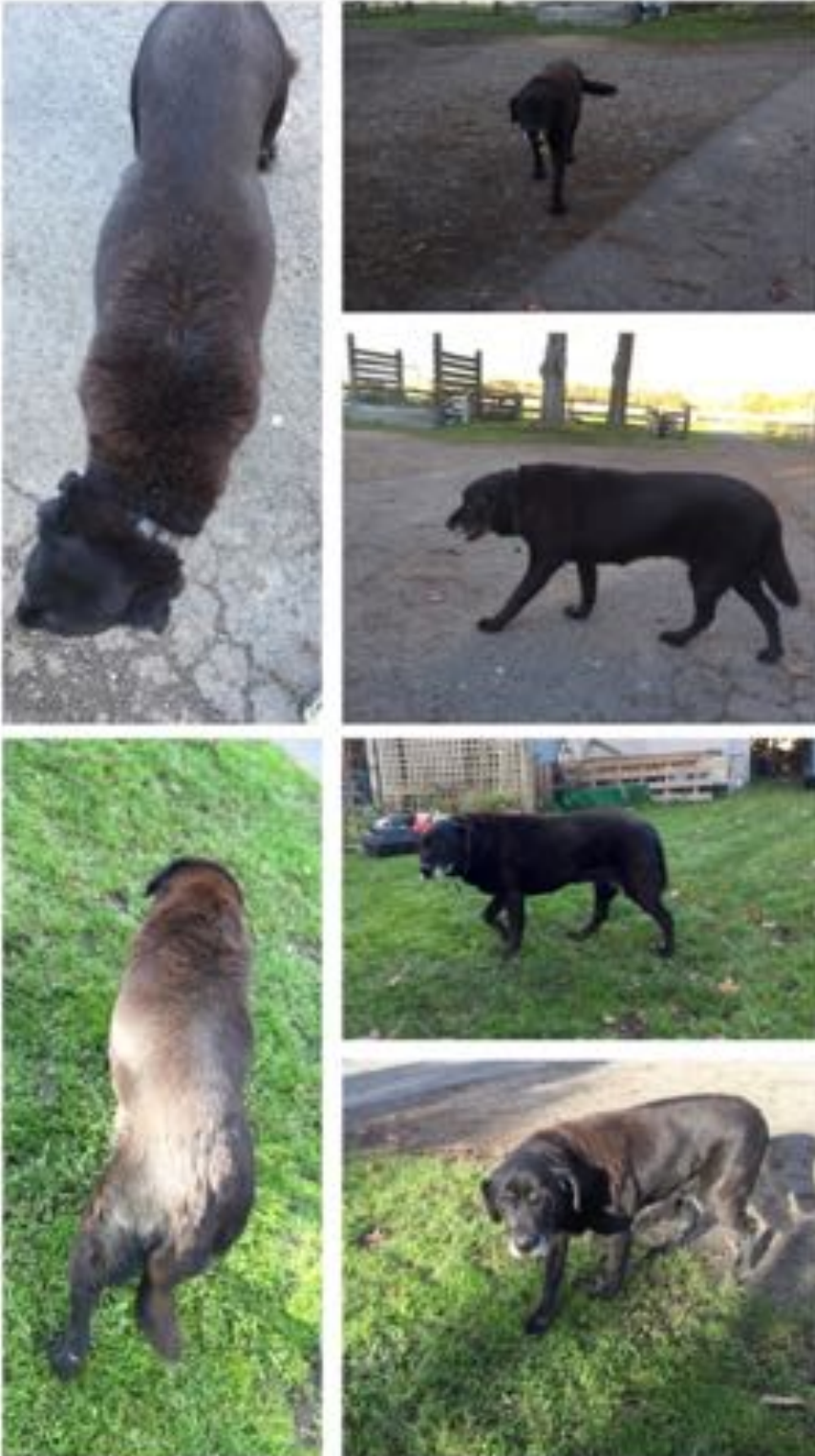


After



Regarding the above photos: "The difference in demeanor and coat is great."

Top photos are Before & Bottom photos are After



Regarding above photos: “Still an old girl but she has filled out a bit in her hind quarters and her coat is a lot shinier (sun helps in photo but is actually shinier).”



Additional comments from participants

“I have noticed lots of positives since starting on PetBrew, especially that she has a lot more energy.”

“Her coat is shiny and she is full of beans prior to going for a walk.”

“Great product, I think it has helped my old girl a lot she has a lot better movement than she did before & her coat is starting to get much more soft too.”

“We are very grateful to have had the opportunity to trial PetBrew with Molly. Even though she had daily probiotics before she certainly seems to have had improvements in her general demeanor and movement over the last month to the extent that my husband and I have jokingly considered dosing ourselves up on it too.”

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