



2017 EquiBrew Scouring Horse Project

Introduction

Since the launch of EquiBrew in August of 2014, horse owners have reported a range of positive effects including calmer, quieter horses, improvements to overall condition and skin/coat, control of diagnosed or suspected ulcers, reduced stereotypic behaviors (windsucking, fence-walking, head flicking, etc.), and improved freedom of movement.

Also reported was the control of scouring/loose droppings in horses.

EquiBrew 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 10^9 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 July 2017, we invited horse owners via Facebook to participate in a case study group for horses suffering from scouring/loose stools.

Participants were self-selected. They agreed to follow the case study protocol, take before and after photographs, and complete online surveys at the start and finish of the study period.

Horses included in the trial received **250ml EquiBrew daily for 10 days** with the product mixed into feed and split if feeding twice or more daily.

We asked participants to record the severity of their horse's scouring/loose droppings, the overall condition of their horse (BCS), its overall skin condition, freedom of movement and its mood/demeanor.

Participants used the Henneke* horse body condition scoring system, a system of visual assessment with scores ranging from 1 to 9.

The same scale (1-9, 1 being terrible and 9 being near perfect) was used to score the other categories, i.e., scouring/loose droppings, overall skin condition, freedom of movement, and mood/demeanor.

*(http://en.wikipedia.org/wiki/Henneke_horse_body_condition_scoring_system)

Ten participants completed the course of product administration and recorded their observations in our online survey.

Results

At the end of day **10** scores had **improved** on average:

- **Scouring:** **huge improvement from 3.4 to 7.3**
- **BCS** no significant change
- **Skin/Coat Condition:** huge improvement from 4.8 to 6.6
- **Movement:** small improvement from 5.9 to 6.8
- **Mood:** huge improvement from 4.9 to 7.1

	Scouring		BCS		Skin/Coat		Movement		Mood	
	Before	After	Before	After	Before	After	Before	After	Before	After
	3	8	6	6	7	8	7	9	7	9
	2	4	6	6	3	4	3	6	2	6
	3	4	7	7	5	3	7	3	3	3
	4	9	6	5	5	7	5	7	4	7
	5	9	6	5	6	9	5	8	5	8
	4	7	5	5	5	6	4	6	3	7
	3	6	4	5	3	7	8	8	7	8
	2	9	6	6	5	9	9	9	9	9
	3	8	6	6	5	7	7	7	4	8
	5	9	6	6	4	6	4	5	5	6
Average	3.4	7.3	5.8	5.7	4.8	6.6	5.9	6.8	4.9	7.1
	p<0.00001		NS*		p<0.005		NS		p<0.005	

Overall there appears to be a statistically significant change (improvement) in three scored categories
p values were obtained via a paired two sample t-test

* NS = not statistically significant

Conclusion

Administration of EquiBrew reduced scouring/loose droppings, improved the general skin condition, and improved the mood/demeanor of horses suffering from persistent scouring/loose droppings.

Administration of EquiBrew also produced other reported effects considered beneficial by participants but this project did not investigate or formally score these effects.

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Typical Results

Before



“Vida’s poo firmed up within 3-4 days on EquiBrew.”

After



Before



“This product EquiBrew is amazing. In 10 days my horse's poo has improved greatly.”

After



Before



After

