

2017 Underweight Horse Case Study Group Report





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, control of diagnosed or suspected ulcers, reduced stereotypic behaviors (windsucking, fence-walking, head flicking, etc.), reduced anxiety behaviors, improved skin/coat condition, reduced 'picky eating,' and improved freedom of movement.

EquiBrew is unique in the marketplace. It is a fresh fermentation product with a limited (8 months) 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 November 2017, we invited horse owners via Facebook to participate in a case study group for horses that were chronically underweight.

Participants were self-selected. They agreed to follow the case study protocol, take before and after photographs, and complete online start & finish surveys. Participating horses had no previous history of using EquiBrew.

Horses included in the trial received 250ml of EquiBrew each day for 15 days with the product mixed into feed and the dose split if feeding more than twice daily.

We asked participants to record the body condition of their horse, its overall skin condition, freedom of movement, and mood/demeanor. Participants used the Henneke* horse body condition scoring (BCS) system, a system of visual assessment with scores ranging from 1 to 9. The same scale (1-9, with 1 being "terrible" and 9 being "near perfect") was used to score three other categories, i.e., overall skin condition, freedom of movement, and mood/demeanor.

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

Thirteen participants completed the course of product administration and recorded their observations in our online surveys.

Results

Twelve of the thirteen participants reported an improved Body Condition Score by an average of 1.5 points on the Henneke scale. One horse's BCS remained the same. No horse had a reduced BCS.

At the end of day 15 scores had **improved** on average:

- **Body Condition:** **from 3.7 to 5.2**
- **Movement:** **from 5.2 to 7.3**
- **Skin Condition:** **from 5.4 to 7.4**
- **Mood:** **from 6.1 to 7.9**

| | BCS | | Skin | | Movement | | Mood | |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Start | Finish | Start | Finish | Start | Finish | Start | Finish |
| | 4 | 6 | 6 | 8 | 5 | 6 | 5 | 7 |
| | 4 | 4 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 5 | 4 | 8 | 8 | 8 | 7 | 8 |
| | 4 | 5 | 6 | 7 | 2 | 7 | 6 | 8 |
| | 4 | 5 | 4 | 8 | 4 | 8 | 6 | 8 |
| | 4 | 6 | 6 | 7 | 4 | 6 | 5 | 5 |
| | 4 | 5 | 3 | 6 | 6 | 7 | 8 | 9 |
| | 5 | 7 | 5 | 7 | 3 | 7 | 3 | 9 |
| | 2 | 4 | 6 | 7 | 7 | 7 | 5 | 7 |
| | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| | 3 | 5 | 3 | 6 | 2 | 5 | 9 | 9 |
| | 4 | 6 | 2 | 8 | 3 | 9 | 1 | 7 |
| | 3 | 4 | 6 | 6 | 9 | 8 | 6 | 8 |
| Average | 3.7 | 5.2 | 5.2 | 7.3 | 5.4 | 7.4 | 6.1 | 7.9 |
| | p<<0.005 | | p<<0.005 | | p<0.005 | | p<0.005 | |

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

Conclusion

Administration of EquiBrew improved the body condition (BCS), freedom of movement, skin condition, and mood/demeanor of horses suffering from being chronically underweight.

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

Appendix 1: Photos

Appendix 2: Participant comments

Appendix 1: Photos of typical results

Before



After



Before (top) After(bottom)



Before



After



Before (top) After(bottom)



Before



After



Before



After



Before



After



Appendix 2: Comments from Participants

What a FABULOUS product you have!

The transformation has been amazing.

Having not had him very long, since finishing a successful racing career, we are still getting to know each other. He loves his food but can be picky about what food he wants to eat that day. Since adding EquiBrew into his daily diet, he licks the bowl clean and is looking amazing!

He will be remaining on EquiBrew to keep him in top shape all year round!

Thanks So Much for including us in the trial.

Since starting the trial her lameness issue has resolved. I was told by the vet that I wouldn't be able to ride for some time. Well, we have entered in a show next Saturday!

She is much happier and the condition of her hooves has dramatically improved.

Very happy with her progress on EquiBrew, she seems a lot happier and is very shiny.

Thanks so much for this! We have a much happier healthier horse!

I have had my horse on EquiBrew since the 14th. I have noticed a huge difference in him. He has put on weight, his coat has improved as has his temperament!

He used to be very clingy and get quite worked up being away from the others and now he is perfect being worked alone!

I will definitely be continuing him on EquiBrew and am going to start the rest of my horses on some. Including my Grand Prix Showjumper. Amazing stuff!!



Rain scald has cleared up and no more visible ribs!

I will definitely be purchasing EquiBrew in the future. Her condition has improved dramatically, especially her coat and rib coverage.

His coat has finally grown in! He's put on some weight, he's eating 100x better than he had been and is easier to catch than he was all winter.

LOOOOOOVE!!! This product, such a happier horse!

Definite improvement in appetite and general mood. Can see more coverage over her ribs / back end after the 15 days

www.equibrew.com www.facebook.com/equibrew info@equibrew.com