

InsulinWise[®] POWDER OR PELLET

A synergistic blend of polyphenols and amino acids, including leucine, to support normal insulin regulation in horses showing symptoms of equine metabolic syndrome (EMS).

The propriety blend of ingredients in InsulinWise are research-proven to support lower insulin levels and increased adiponectin concentrations in EMS horses. Maintaining normal levels of these hormones and decreasing insulin dysregulation can provide a clinical benefit by reducing the risk of laminitis.

Typical symptoms of EMS:

- Insulin resistance
- Laminitis
- Obesity

Research-proven to support normal insulin sensitivity.

Phase one of the research: collection of new data*

15 horses were diagnosed with equine metabolic syndrome. Data was collected on each horse's weight, and baseline adiponectin (an indicator of insulin sensitivity) levels were established. An oral sugar test (OST) was conducted prior to supplementation; baseline insulin levels were recorded. Supplementation with InsulinWise was provided for a 6-week period. At the end of the 6-week period, OST was repeated and insulin levels recorded. Prior to the OST, blood was pulled to test for adiponectin levels and the horses were weighed.

The results:

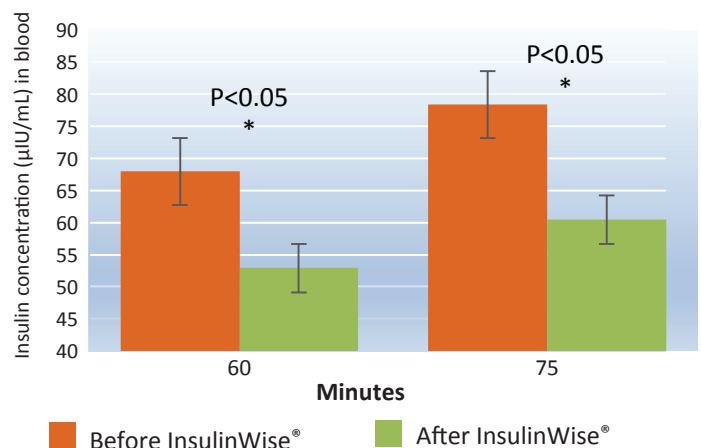
- Horses supplemented with InsulinWise had significantly reduced insulin levels at 60 and 75 minutes following the OST, signifying increased insulin sensitivity.
- Post-supplementation, a significant decrease in body weight was noted.



- Significant increases in adiponectin were found after the supplementation period. Increases in these levels are associated with increased insulin sensitivity and improved glucose uptake.
- Four of the horses that were categorized as being insulin resistant at the start of the trial expressed normal insulin regulation after the supplementation period.

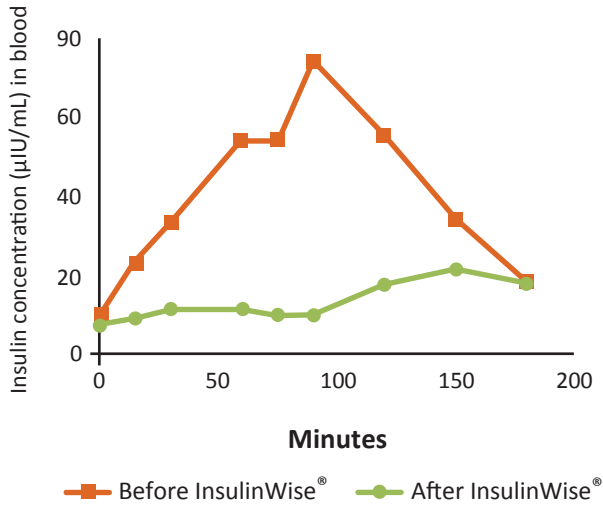
Insulin Concentrations Following OST Challenge

Supplementation with InsulinWise significantly reduced insulin blood levels, signifying increased insulin sensitivity.



InsulinWise supported a decrease in insulin resistance

In four of the horses previously identified as insulin resistant, insulin regulation reverted to levels classified as normal after supplementation with InsulinWise.



InsulinWise is recommended to support horses and ponies with symptoms of equine metabolic syndrome.

InsulinWise is available in powdered and pelleted forms.

Powder: Administer one 28-gram scoop per day
 - 2 lb jar (32-day supply)
 - 5 lb bucket (80-day supply)

Pellet: Administer one 56-gram scoop per day
 - 3 lb jar (24-day supply)
 - 8 lb bucket (64-day supply)

Amount provided can be split between a.m. and p.m. feedings

Phase two of the research: review of historical data

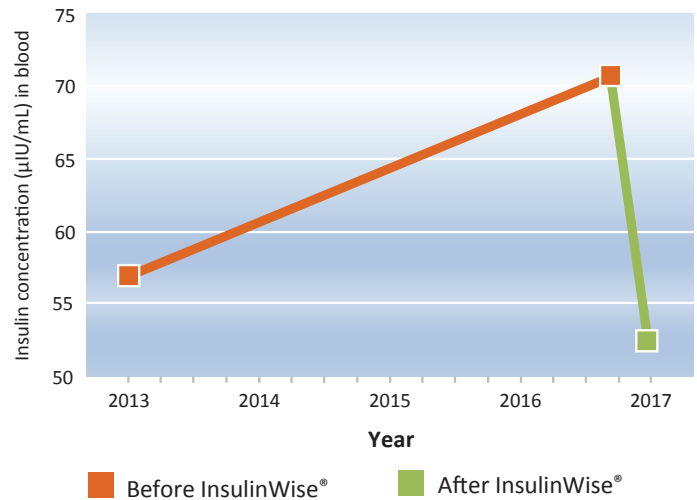
Post-supplementation insulin concentrations obtained during OST in 2017 were compared to those obtained from the same individuals in 2013.

The comparison revealed that:

- Insulin concentrations were significantly higher in 2017 pre-supplementation testing at the 0- and 60-minute time intervals, indicating horses' insulin sensitivity had worsened over time.
- Post-supplementation insulin concentrations in 2017 were comparable to those obtained during testing in 2013 at both the 0- and 60-minute time intervals, indicating that supplementation returned horses to an insulin status consistent with that measured in 2013.

Insulin Levels at 60 Minutes During Oral Sugar Tests From 2013-2017

Over time EMS horses become more insulin resistant. Supplementation with InsulinWise significantly reduces insulin levels in the blood, signifying a decrease in insulin resistance.



* Manfredi JM, Stapley ED, Nash D. Effects of a dietary supplement on insulin and adipokine concentrations in equine metabolic syndrome/insulin dysregulation. In J Equine Vet Sci 2020;88:102930.