



# HiPoint Agro Bedding Corp.

(HPAB)



**Waste Nothing.  
Gain Everything.™**

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*Premium Horse Bedding For Environmentally-Minded Equestrians*

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# A Global Manure Crisis

Horses and humans interact in close quarters. The result? More than 3,000,000 ton of horse manure are being inadequately disposed of each month in the United States alone.

## This Leads to Problems such as:



### Inadequate Waste Management

Due to increased regulations, there are fewer disposal solutions available—and costs are rising. In addition, disposed horse manure contributes to environmental problems like nonpoint source pollution, habitat destruction, surface and groundwater contamination, and other issues.



### Global Warming

The sheer amount of horse stall residuals creates unmanageable piles that leach phosphorous into our waterways and deplete the soil of nitrates. Stall residuals can produce up to 50 pounds of methane per horse per year — an astonishing 1.2 M tons of methane-induced global warming.

**490K**

tons of carbon dioxide from decomposing manure

**10.5M**

kilograms of nitrogen leaching into the soil

**450M**

kilograms of nitrogen excreted by horses

**3.2M**

tons of nitrous oxide leaching into the soil

**1.2M**

tons of global methane emissions

**10%**

of total livestock off-gassing

The latest global manure crisis can be addressed by repurposing horse waste shavings into premium, recycled equine bedding.

Each HiPoint Facility treating waste from 3000 horses is designed to save 100 tons of methane off-gassing into our planet per year.





# Solution

## Advanced Recycling for Modern Horse Farms

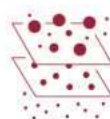
HiPoint has created an advanced HPAB process that transforms horse waste shavings into hypoallergenic, dust-free, recycled equine bedding. This process includes the recycling of wood shavings, water reclamation, and biomass byproducts at designated facilities, a \$5.5 billion market in North America alone.


These HPAB facilities are located in equestrian regional centers. HiPoint processes 18,000 to 59,000 tons of stall residuals per year, producing upwards of 1 million bags of clean, safe quality bedding. Our horse industry has a gross domestic impact of \$300 billion worldwide. In North America there are 7.2 million horses producing a GDP of \$50 billion while employing over 1 million people.





### A Six-Step Process

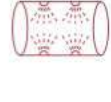
HiPoint and its partners recycle equine stall residuals naturally, without the use of chemicals or polymers.


-  **1. Separating and treating the raw stall residuals.**  
Large manure buns are separated and treated in the bioreactor. Reusable shavings prepared for drying.

-  **3. SuperScreen separating based on the customer's needs.**  
The bedding fibers go through HiPoint's SuperScreen. Shavings are then separated by size.

-  **5. Bagging the bedding in a quiet, fully-automated baler.**  
HiPoint balers guarantee the required output. The horse bedding is sealed and stored in a secure area.

-  **2. Thermodynamic drying and water reclamation.**  
The shavings are dried, while the bedding moisture and urea are turned to steam.

-  **4. Protecting the bedding in the proprietary infusion tank.**  
HiPoint's proprietary tank coats the shavings with a safe, patent-pending hypoallergenic compound.

-  **6. Processing manure in a covered bioreactor.**  
Manure buns can then be used as biofuel, as a digestate for energy and gas production, or as an organic matter soil amendment.

HiPoint's proven HPAB system benefits the horse industry and the environment. It's a win-win approach to handling manure disposal and creating top-quality, sustainable horse bedding.

# HiPoint Product Line

## Premium Hypo-Allergenic bedding

### Price

A premium product at competitive market prices that is a healthier alternative horse bedding.

### Quality

Virtually dust-free hypoallergenic absorbent bedding with medium to large blended wood shavings.

### Reliability

Receive on-demand scheduled bedding and manure removal through a cooperative environment and subscription program.

### Ease

Low compression bags allow for easy time-saving stall charging and removal.

## OTC Topical Pain & Protection Blends

HiPoint base compound found in every bag of shavings has expanded into a full product line for horse & rider. N4L is safe for all and helps:

- Increase horse respiratory function and calms horses while traveling
- Treat muscle and joint pain, soft tissue damage, cuts and wounds including hoofrot
- Protect from insects, fungus and airborne viruses

Made without pharmaceuticals, the natural blends are sold in 100+ pet stores, and carried by growing number of distributors and local tack shops.

## Organic Matter Biomass

HiPoint's bioreactor creates a fantastic soil amendment in just five days (plus curing). The resulting biomass can then be sold as composted potting soil in the region.

Our absorbent biomass can also:

- Help with environmental spills
- Serve as fuel for biomass burners
- Produce natural gas by working as a digestate

# HiPoint Premium Bedding Benefits

Preferable to standard wood shavings found in horse stalls today, HiPoint's HPAB process is designed to revolutionize the manure disposal and equine bedding industries.



## Better Health

- Lower vet bills
- Natural, antifungal, antimicrobial, antiviral, antibacterial bedding
- Improved horse and rider health
- Less dust
- More absorbent



## Sustainability

- Built for low to no emissions
- Greater sustainability
- Easier and more consistent stall cleaning
- Creates revenue streams from a waste stream
- Social responsibility



## Cost Savings

- Reduced manure disposal and horse bedding operational costs
- Subscription-based programs
- Innovative economic model for equestrians
- Requires half the steps to deliver, than traditional bedding



## Cutting-Edge Tech

- Three attorney-written patents pending
- Fully-automated facility
- Fast biomass production
- Tracking waste management
- EPR Traceability



# Why HiPoint Horse Bedding?

*“Our passion is promoting a healthy environment for both horse and rider. No bedding, bulked or bagged, has ever gone through this radical approach to creating better bedding and affording the ability for commercialization.”*

— Paul Cross, HiPoint CEO and Head Designer

*“Through the influence of the horse, we bring equestrians and environmental stewardship together through education, technology, and human interaction to impact meaningful change.”*

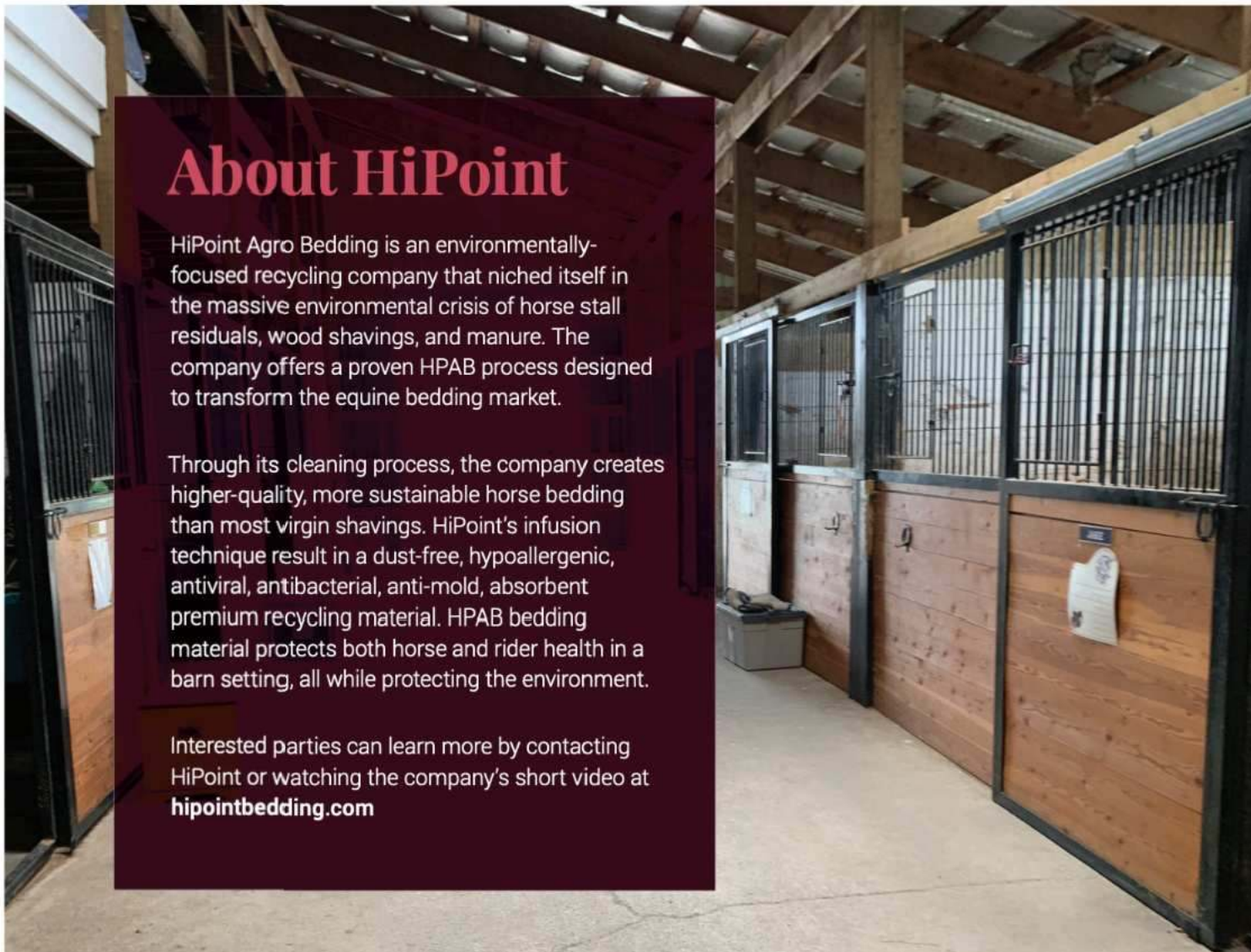
— Vision Equine for Change Foundation

## About HiPoint

HiPoint Agro Bedding is an environmentally-focused recycling company that niched itself in the massive environmental crisis of horse stall residuals, wood shavings, and manure. The company offers a proven HPAB process designed to transform the equine bedding market.

Through its cleaning process, the company creates higher-quality, more sustainable horse bedding than most virgin shavings. HiPoint's infusion technique result in a dust-free, hypoallergenic, antiviral, antibacterial, anti-mold, absorbent premium recycling material. HPAB bedding material protects both horse and rider health in a barn setting, all while protecting the environment.

Interested parties can learn more by contacting HiPoint or watching the company's short video at [hipointbedding.com](http://hipointbedding.com)



## **Dr. Dorothee Bienzle.**

The University of Guelph

We want to thank Dr. Dorothee Bienzle, Professor of Veterinary Pathology for her comments *"I fully support HiPoint Agro Bedding's efforts in research toward creating improved bedding for horses and look forward to scientifically assessing the utility of such bedding for horses with asthma"*

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