

# Agricultural Innovations

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# Natural Fertilizer

Manure by Another Name

**THE SEASON  
NEVER CLOSES ON  
JOHN DEERE**

*Spreader  
Sales*



You can meet the spreader needs of farmers in your territory who want a tractor spreader with the big-capacity John Deere Power Spreader, shown above, or the John Deere Two-Wheeled Tractor-Drawn Spreader. It will pay you to stock the full line of John Deere Spreaders and keep them on display the year around.

**S**UMMER, winter, spring, and fall—all are good sales seasons for John Deere Spreaders, and dealers who keep on hammering home the many distinctive features of John Deere Spreader construction do a mighty profitable year-round spreader business.

The John Deere Spreader, shown above, has been the leading horse-drawn spreader for nearly 30 years. Its world-famous beater-on-the-axle construction insures easier loading, easier pulling, better work—everything your farmer customers want in a horse-drawn spreader.

**JOHN DEERE**

THE TRADE MARK OF QUALITY MADE FAMOUS BY GOOD IMPLEMENTS

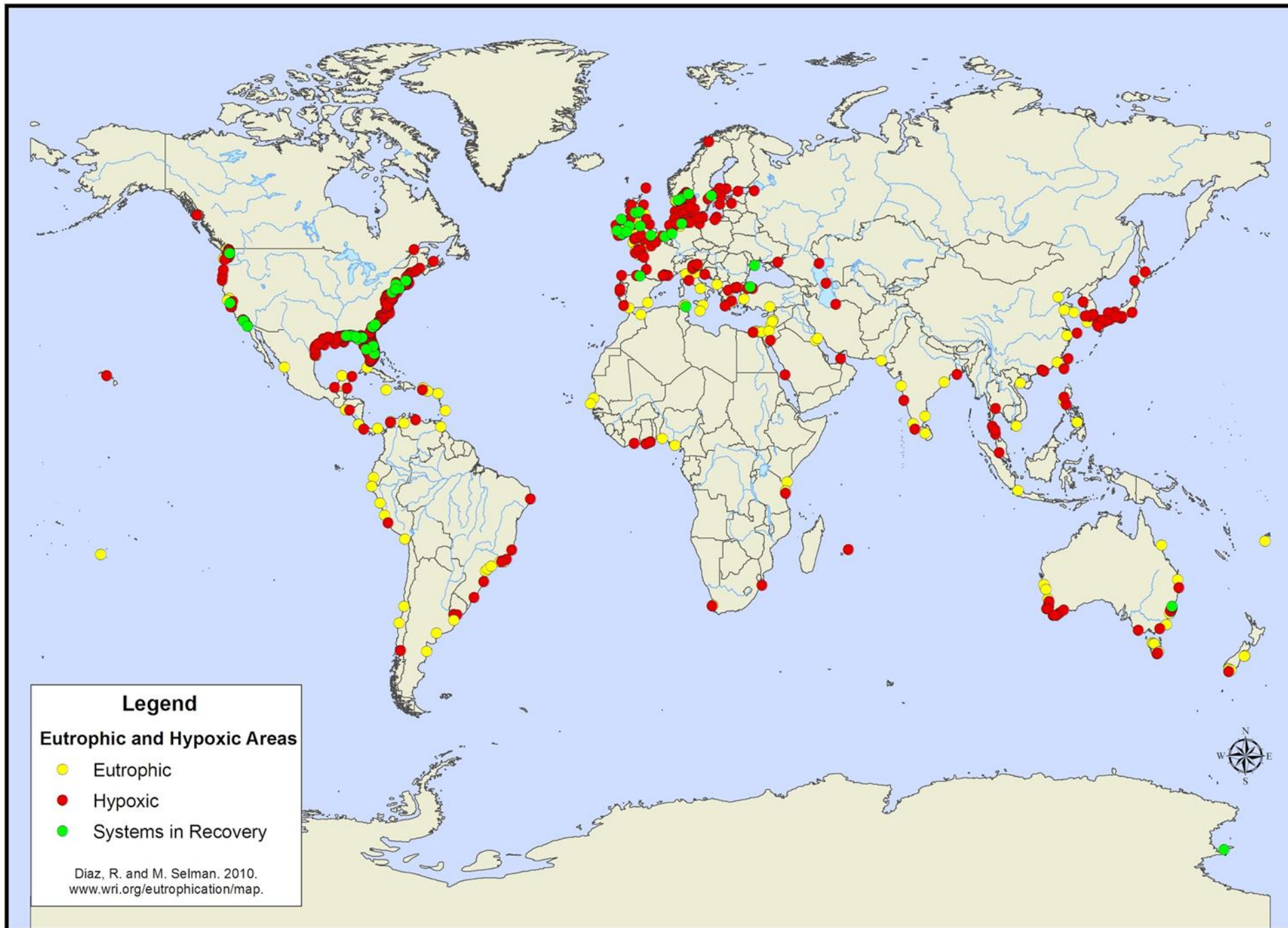


# Changing Environment

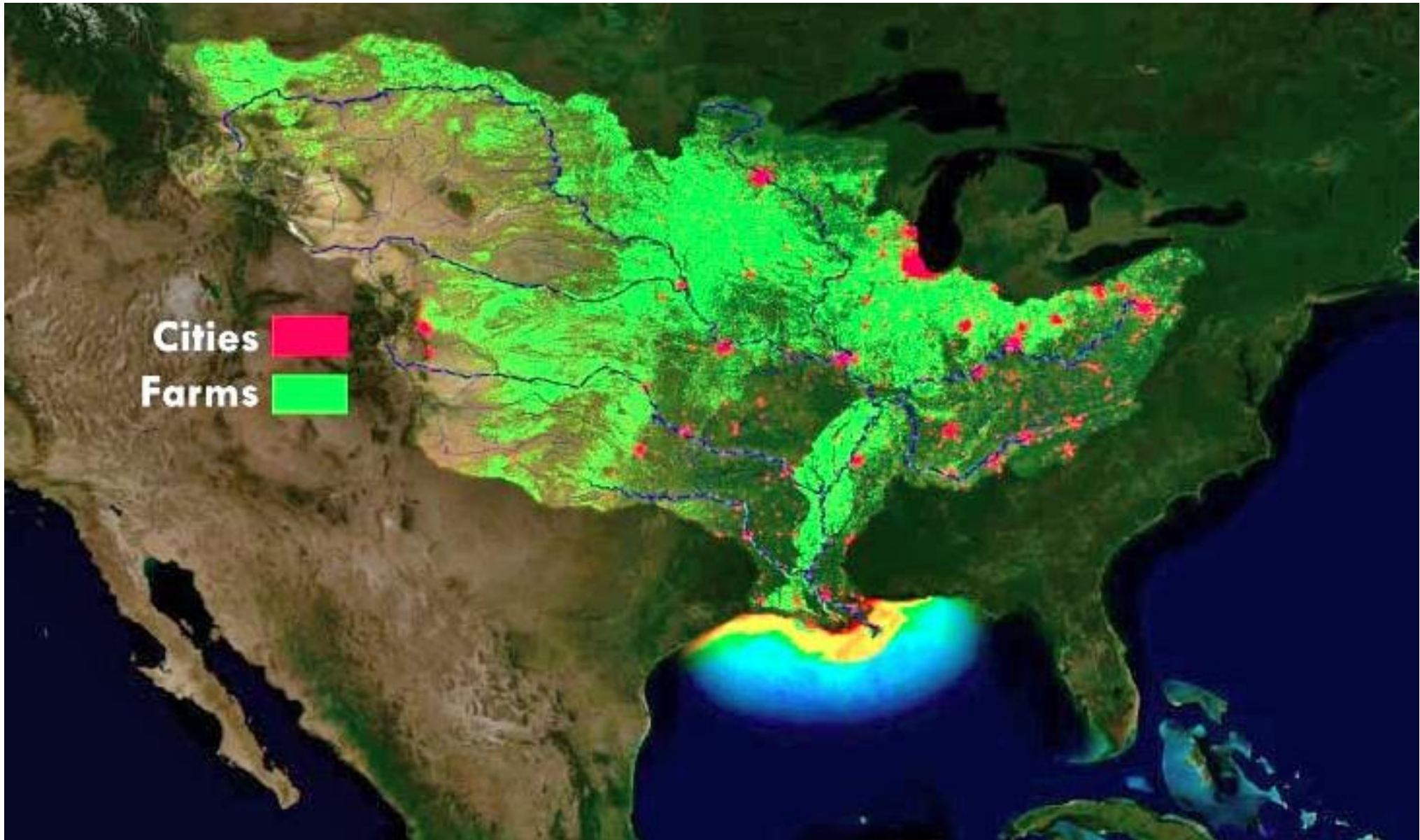
Regulations and Reality



# World Hypoxic and Eutrophic Coastal Areas



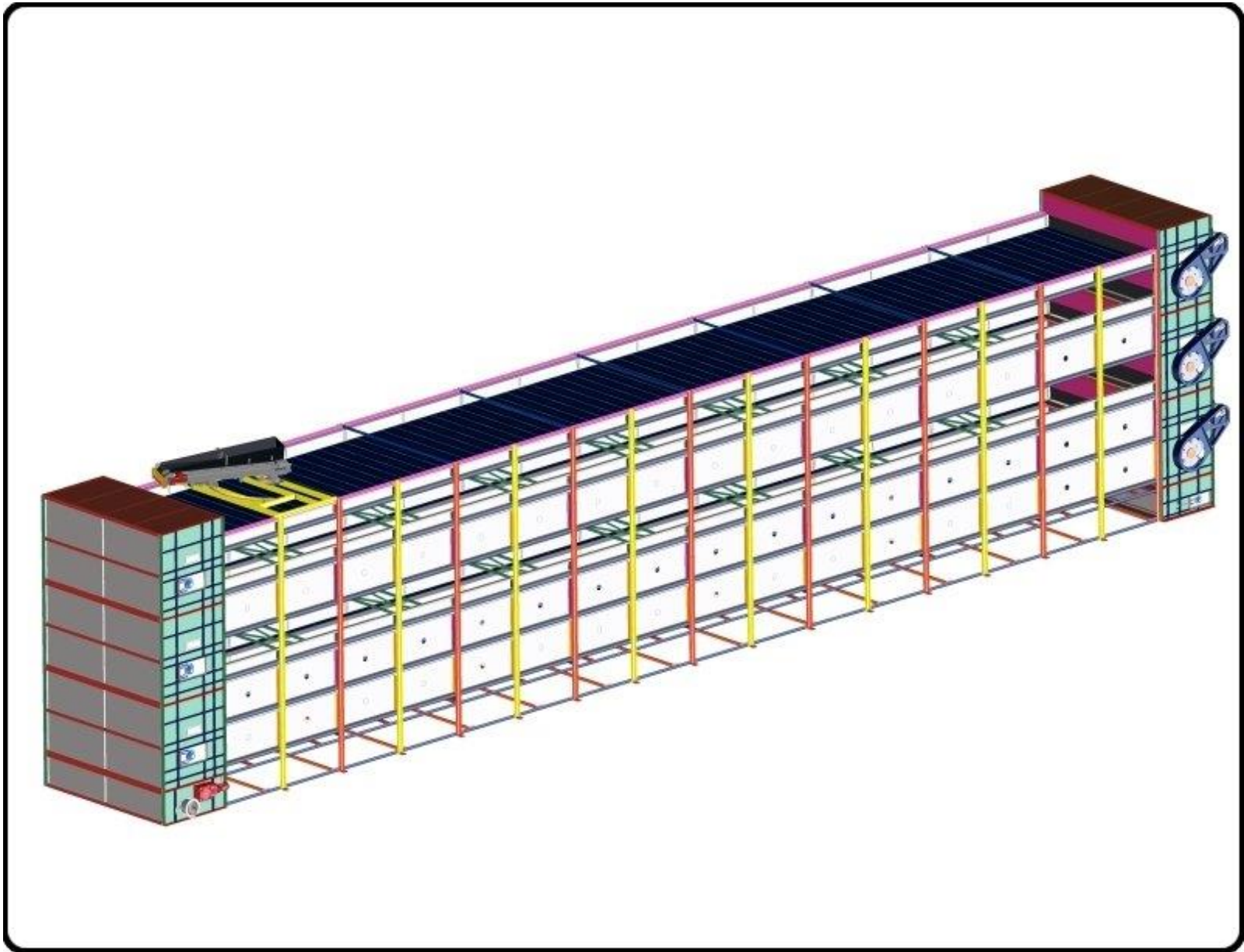
Cities   
Farms 



# The Process

From Manure to Fertilizer













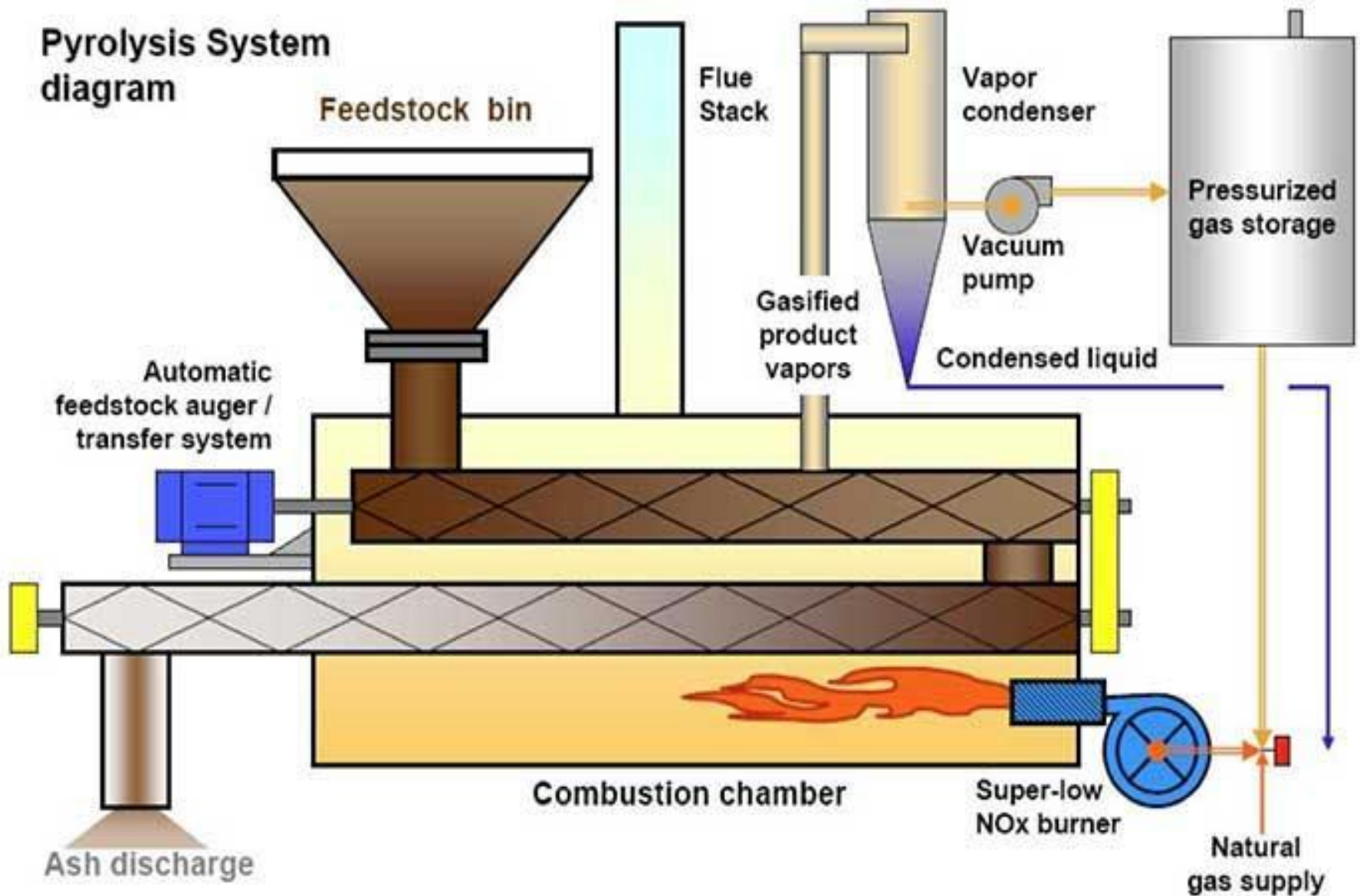




# Unintended Results

Byproducts of Byproducts

# Pyrolysis Process





2.





**TERRA PRETA**

**BIOCHAR SOILS OF  
THE AMAZON**

**NORMAL**



# The Future

Direction and Plans