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Name _____

Student Study Guide
America's Heartland

Episode 110 – High Tech Dairy

1. What is the location for this segment of America's Heartland _____,
(city or town)

(state)
2. What drives Mason Dixon Farms? _____
3. Richard Waybright is the _____ generation family member to run this farm. Part of the farm is in _____ and part is in _____.
4. This farmer is committed to constantly looking for ways to improve both _____ and _____. He knows he needs to maintain good relations with his neighbors. Why is that a challenge? _____

He recognizes that new techniques in _____ are needed to help with this challenge.
5. His on-site _____ digestion system processes _____ gallons of manure and urine a day produces _____ gas. That gas drives generators, which produce _____ of power daily. It supplies enough electricity to power the farm with excess available to sell back to the utility company.
6. Waybright also is good to his cows. He says his _____ are much better for them than lazily grazing in an open field. Why? It keeps the cows cooler. The feed is also harvested in an environmentally-friendly way. A self-propelled mower harvests up to thirty acres per hour it prevents damage to the _____.