

Plant Efficiencies and Improvements

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Plant Efficiency

- Energy Consumption
- Production Rate
- Material Waste
- Operational Downtime
- Moisture Management
- Emission Control
- Quality Assurance
- Logistical Efficiency

Energy Consumption



- BTU/ ton
- Fuel Usage/type

BTU Required

		270°F	300°F	320°F
Percent Moisture	3%	203,600	217,300	226,000
	4%	230,100	244,400	254,200
	5%	255,700	271,600	282,500
	6%	281,200	298,800	310,800
	7%	306,700	325,900	338,900
	8%	332,100	353,000	367,100

Production Rate

- Tons Per Hour
- Utilization Rate



Material Waste



- Start Up
- Recycling and Reuse

Operational Downtime

- Maintenance Hours
- Number of starts / stops



Moisture Management



- Aggregate Moisture
- Drying Efficiency

Emission Control

- Air Emissions
- Baghouse Efficiency

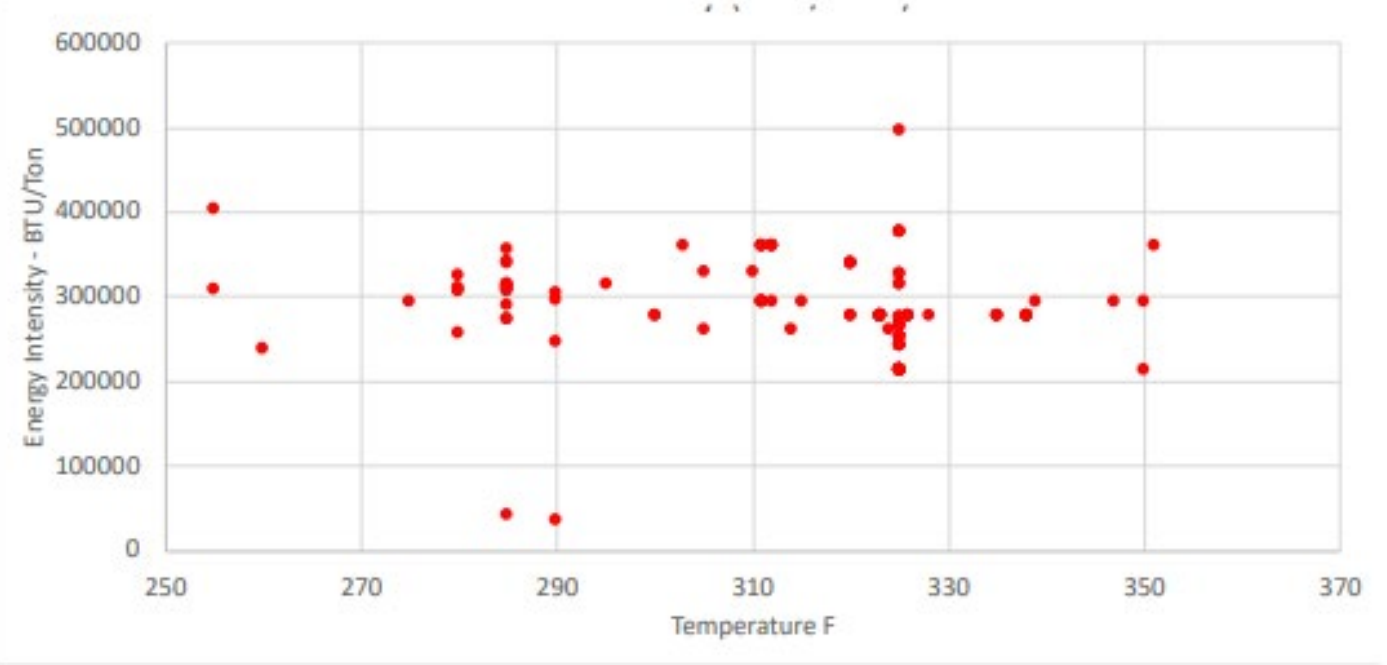
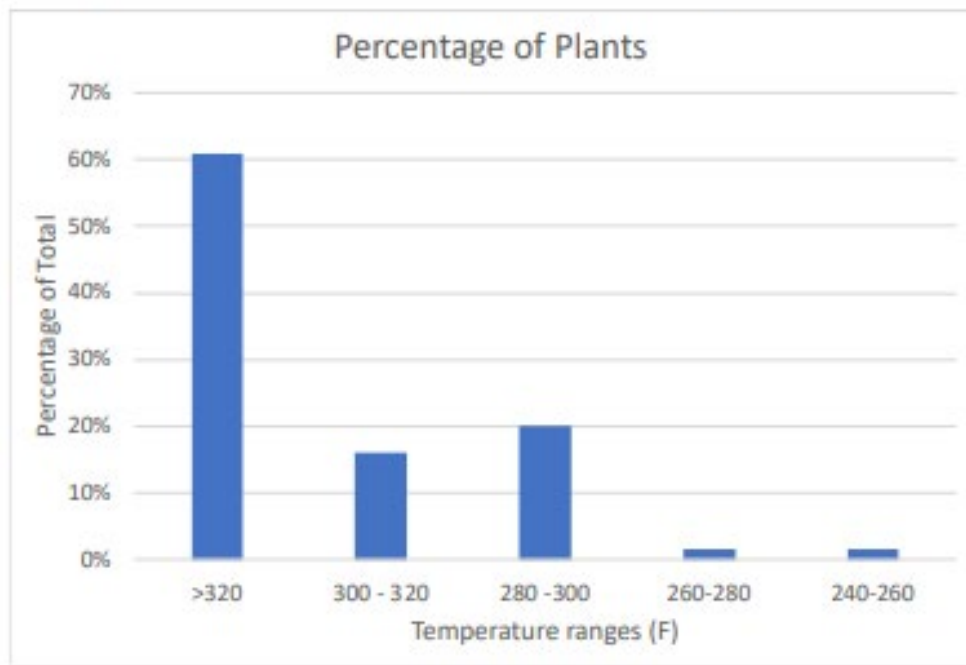


Quality Assurance



- Mix Consistency and Quality
- Temperature Control

Temperature vs Energy Output



Logistical Efficiency

- Truck Flow Management
- Inventory Management



Thank you

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