

BELCAMPO[®]

FARM SUSTAINABILITY METRICS





3RD PARTY VERIFIED DATA

Increase in Organic Soil Matter

Using intensive grazing management processes, we have increased the amount of organic matter in our fields an average of .83 inches (or 333%) over a 1-year period (2016-2017). Increased organic matter and increased litter in the soil leads to improved fertility, water holding capacity and overall soil health.

- *Source: Rancher-to-Rancher project study conducted at Belcampo Farms (May 2016 – May 2017). The Rancher-to-Rancher project is a grassroots, rancher-centered effort funded by the 11th Hour Project to facilitate learning communities among ranchers of California’s central coast.*

Increase in Carrying Capacity

Using rotational grazing methods that enhance forage production, we have increased the carrying capacity of our land by 30% over a 5-year period (2010-2015).

- *Source: Jim Rickert, 3rd Party Auditor, “AUY Macro Report”*



INTERNAL DATA / PROVEN CONCEPTS

Water & Power Conservation via Low Energy Spray Application (LESA) Irrigation Systems

Internal Data Claims: By installing low-pressure sprinkler heads on 80% of our irrigation system and using moisture sensors to direct where and when to water our pastures, we have seen the following irrigation improvements over the past year:

- 18% reduction in water usage (due to reduced evaporation and transpiration)
- 15% reduction in power usage (due to reduced pump head pressure needed)
- 13% increase in productivity

Proven Concept: Several universities have conducted research to prove the power & water conservation that results from using this system, such as:

R. Troy Peters, Howard Neibling, Richard Stroh. 2016. “Low Energy Precision Application (LEPA) and Low Elevation Spray Application (LESA) Trials in the Pacific Northwest.”



INTERNAL DATA / PROVEN CONCEPTS

Carbon Sequestration

Proven Concept: Using intensive grazing management practices, similar operations have increased soil carbon sequestration between 7-10% over 5 year periods.

- *Source: Research conducted by the Soil Carbon Coalition on land managed by Morris Grassfed Beef*

Shasta River Protections / Enhancements

Internal Data Claims: Belcampo Farms' Tail Water Recovery System:

- Utilizes the same water 2-3 times on our own property which prevents irrigation water from returning to the Shasta River
- Enhances salmon habitats by increasing stream shade and improving rushes and sedges along the stream via seasonal, flash riparian pasture grazing.