

A tropical beach scene with palm trees on the left, turquoise water in the foreground, and a blue sky with white clouds in the background.

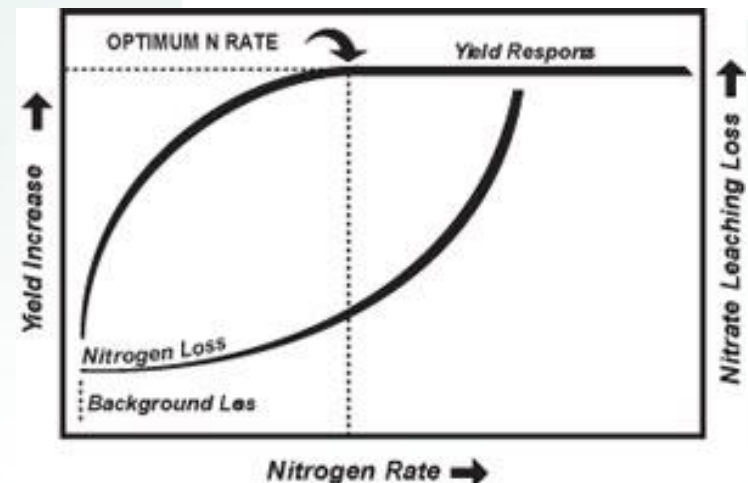
Utilization of Tankage, An Organic Local Fertilizer, for Sweet Corn in Hawaii

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Objectives:

To evaluate plant growth response and yield to application of tankage on sweet corn in Hawaii

To develop guidelines for optimal application



Experimental Design

Treatments for N rates and timing

- 4 N rates (0, 200, 300, 400 lb N/acre)
- 2 timings (preplant vs. split)

Supersweet #10 corn as test crop



Waimanalo Station Field Trial

June-Sept. 2015

- Experimental plot size-
10x10'



Tankage incorporated into soil
before planting

Corn direct seeded along drip

For two-time applications, the
2nd split was band applied one
month later



Results and Conclusions

- Tankage shows significant effects on plant yield
- Yield response starts to level off at fertilizer rates of 300 lb N/acre
- Potential for $\text{NO}_3\text{-N}$ leaching is reduced with split application



Significance



Findings from this study will:

- be useful to farmers using tankage
- increase sustainability while minimizing environmental impact



Mahalo!
Questions?

