

Rising Voices June 30, 2015

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## Masters



















## Track record 200 years

- Land and water degradation
- Food insecurity

- Reduced land access
- Public unawareness

Lāna'i 2013

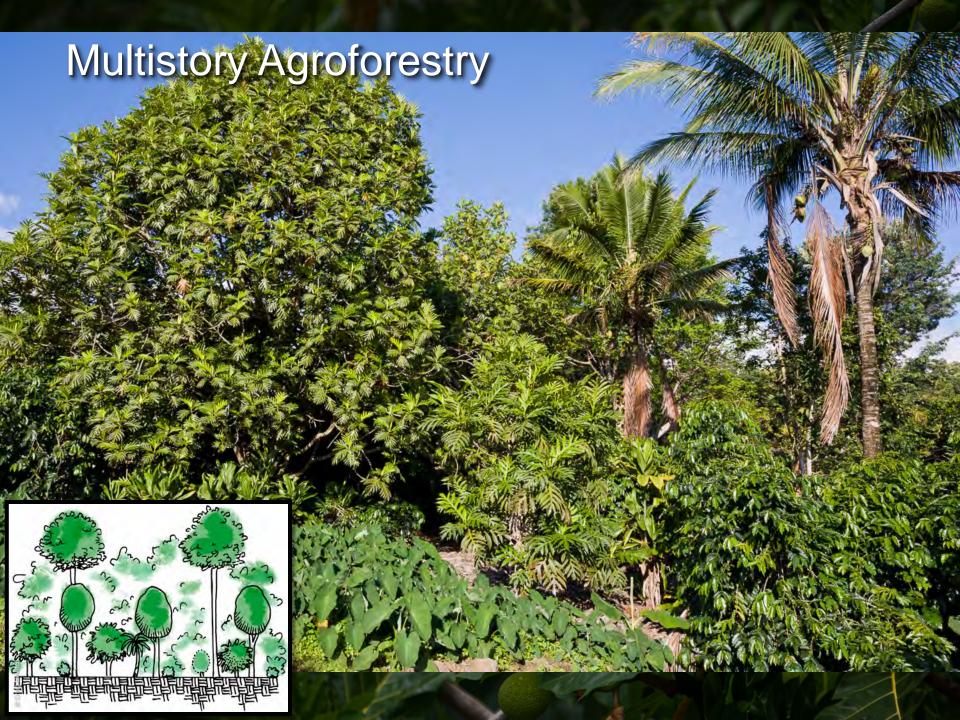
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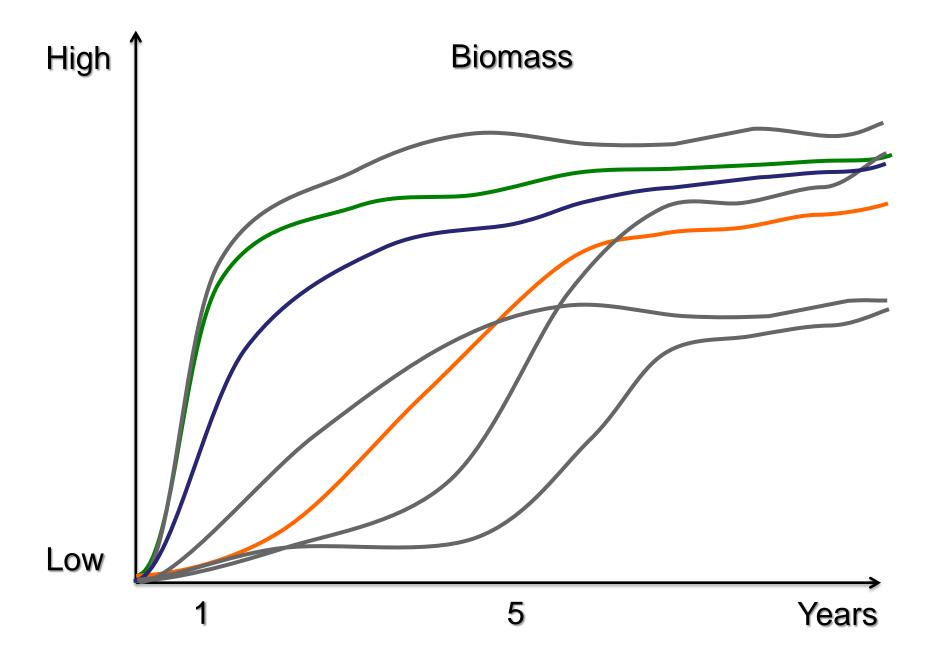
Captures nutrients
Pest and disease resistant
Multiple crops
Environmental services
Resilient

| Crop  | Estimated yield of one plant (personal nutrition-days/yr) |
|---|---|
| Breadfruit  | 60–188  |
| Banana  | 15  |
| Coconut   | 44 (from kernel)  |
| Understory of taro, cassava, yam, sweetpotato, etc. | Substantial addition                                      |
| Total   | 119–247   |

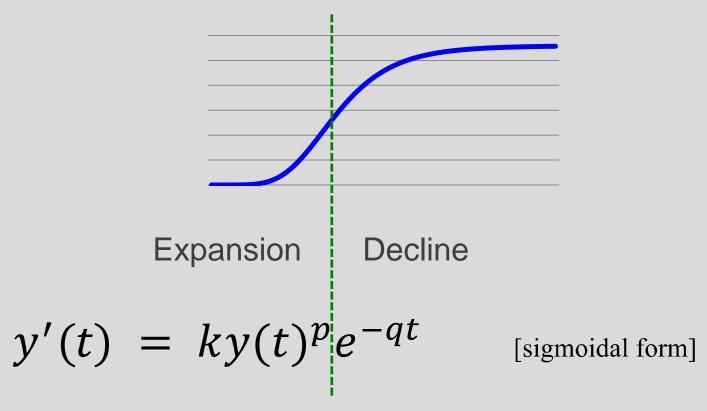
Yields source: Specialty Crops of Pacific Islands (2011)







## Biological growth



t = time, k, p, q positive parameters



