Nourish^{n}
The Nourishment Economies Coalition

Analysis of Farm Practices for Food Quality and Other Market Benefits
Version: 12 February 2024

This diagram is intended to help identify or analyze direct connections between certain farming practices outcomes that are often under-valued, like increased nutrition in foods, local food system resiliency to supply disruptions, water quality, community and cultural values, carbon sequestration, regional landscape resiliency to shocks like food or drought or fires, and more.

The diagram originated with an in-depth analysis of farm practices that can increase nutritional qualities in foods. It became clear that those same practices also drive other value propositions for farmers and food producers. Each economic value listed is based on the economic experience of different enterprises; some are standardized across society and others are not.

The farm practices are organized into six major categories, which reflect 46 more detailed techniques practiced by some farmers today. The colors and arrows on the diagram show which farm practices affect which of the thirteen economic value propositions. They also show clear relationships and patterns between various scientific and economic topics. For example, the diagram shows that soil health – one of the six major categories – is affected by seventeen distinct techniques that a farmer may choose to practice, and that these connect with ten of the thirteen economic opportunities.

A 48-page reference note accompanying the diagram includes a short introduction to all the techniques, their underlying science, the related economics, and a reference list.

This mapping of farming science to economics is designed to support entrepreneurial actions of farmers, food processors and distributors, product brands, financiers, policymakers, and others who building these multifaceted benefits into modern enterprises, via various actions:

- Developing farm and food producer business strategies
- Assessing a region's or enterprise's potential economic value propositions
- Facilitating communication between producers, financiers, and investors
- Engaging the health and environment sectors to support certain farm practices
- Facilitating communication between scientists and economists (across the agricultural, health, and environmental sectors)
- Assessing the risks of actions that focus on one agricultural output without considering systemic scientific or economic effects

Feedback is encouraged on all points in the diagram, including additional real-life examples of the economics. What points are most useful, need clarification, or should be prioritized for further development? Send feedback or inquiries to input@nourishn.com.

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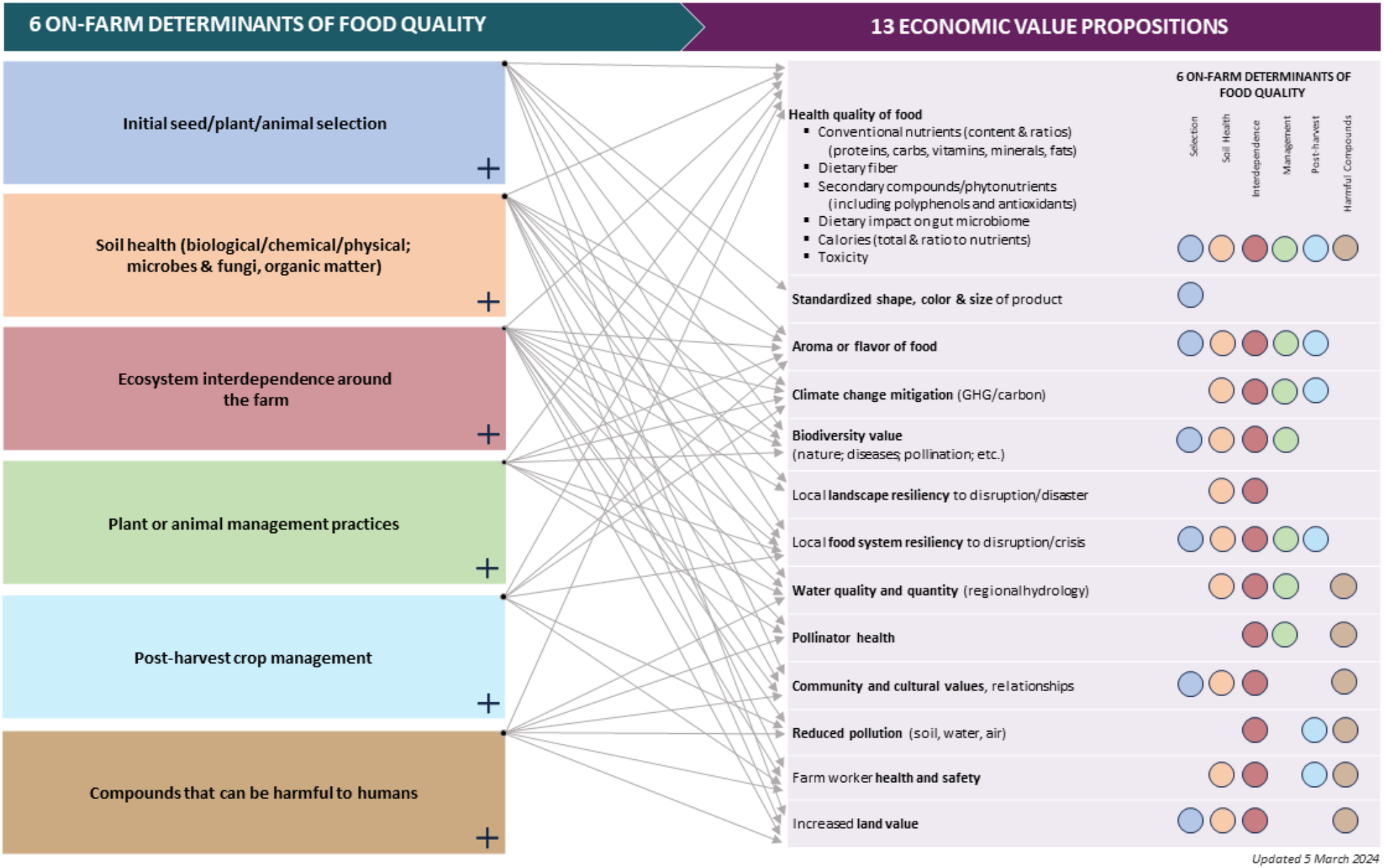
Farm Practices for Food Quality and Market Benefits



Updated 5 March 2024

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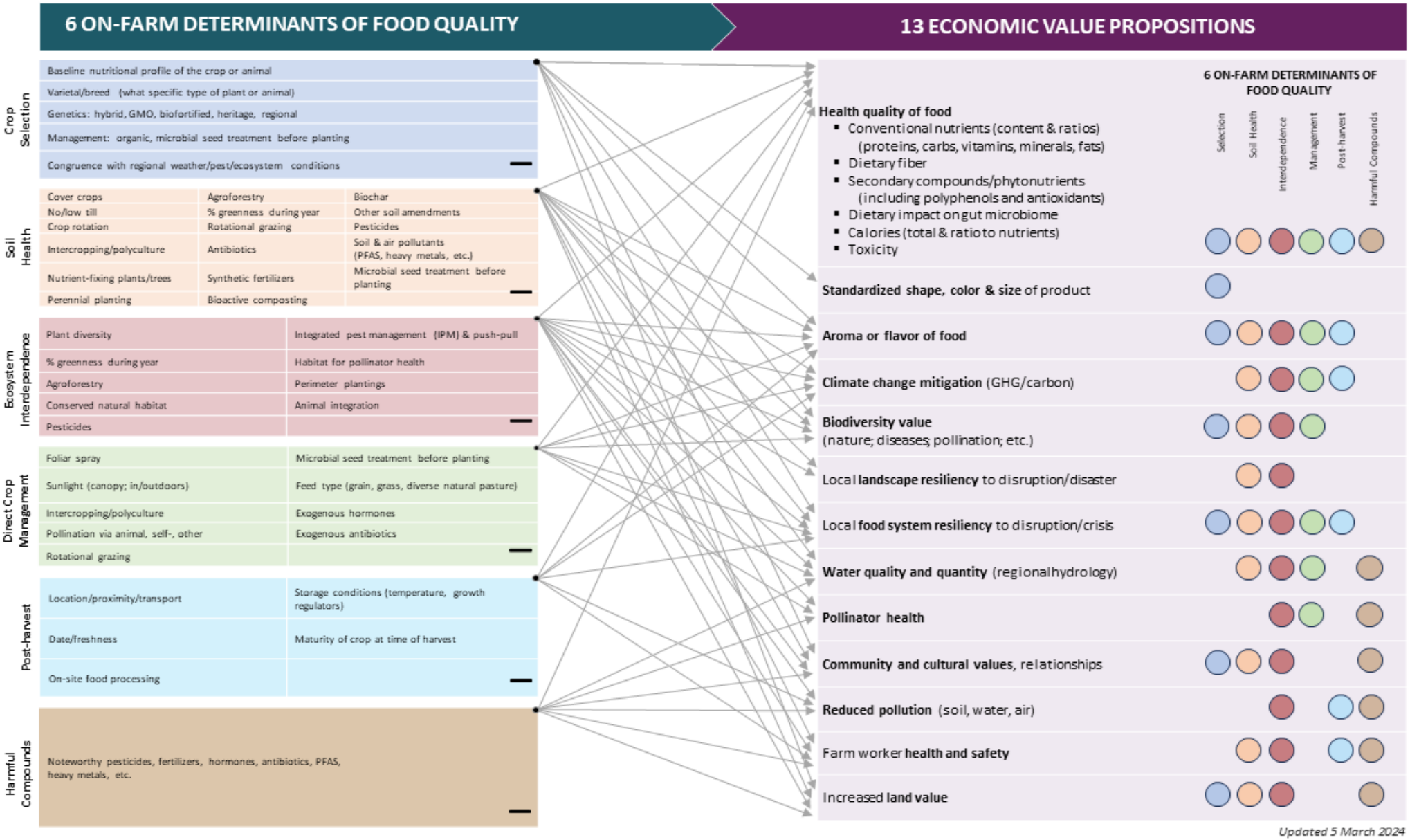

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