

## Benefits of Organic Production: Managing with Biology



### Ecological

- 13% higher soil organic matter, lower N<sub>2</sub>O and GHG emissions per acre, 44% more stable sequestered carbon.
- 30% more biodiversity, up to 50% more pollinator diversity, no pesticides.
- Reduced runoff, lower Nitrogen leaching, restored water cycles.

### Economic

- Organic earns 3-6x higher profits for farmers.
- Organic farmers take home a greater share of the food dollar - for every \$100 earned per acre, an organic farmer keeps \$58 while a conventional farmer keeps \$31.
- Reduced reliance on costly inputs - cost of fertilizer has increased 2.5x from 2020-21 to 2022-23.



### Social

- Reduced consumer and farmer exposure to pesticides.
- More farmers between the ages of 35-54 are organic - growing the next generation of new, young, and historically underserved farmers.
- Stimulation of local, rural communities.
- Organic foods may have a more optimal nutritional profile than conventional foods, due to improved soil health.