Resilient Agriculture

Cultivating Food Systems For A Changing Climate

Laura Lengnick
Cultivating Resilience, LLC
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Novel Agricultural Risk

- Climate
- Production
- Financial
- Marketing
- Human

Farm Performance

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Response Capacity

Recovery Capacity

Transformation Capacity
Key Qualities of Agricultural Resilience

Balanced Portfolio of Resources

Resistance
Protect Existing System

Resilience
Cultivate Response Capacity

Transformation
Change Structure, Form and Function

A Framework for Adaptive Action

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Resilience Thinking Shifts Management Strategies From...

- Assumption of optimum to **variable conditions**
- National best practices to **local “learn as you go”**
- Imported to **place-based resources**
- Extractive to **regenerative economy**
- Efficient to **redundant systems**
- Producing products to producing **community assets**
Is Sustainable Agriculture A Resilient Agriculture?
Key Resilience Assets

• Soil health
• Planned biodiversity
• Diverse high value markets
• Irrigation/drainage
• Physical protection
Next 30 Years?
Next 30 Years: New Times, New Tools

• Promote soil health & diversification
• Reduce climate risk, capture climate opportunities
• Manage for agroecosystem resilience
• Participate in place-based resilience research, education and development
• Engage your megaregion