Menu of Adaptation Strategies and Approaches

Developed for Agricultural systems

**Strategy 1: Sustain fundamental functions of soil and water.**
Approach 1.1: Maintain and improve soil health.
Approach 1.2: Protect water quality.
Approach 1.3: Match practices to water supply and demand.

**Strategy 2: Reduce existing stressors of crops and livestock.**
Approach 2.1: Reduce the impacts of pests and pathogens on crops.
Approach 2.2: Reduce competition from weedy and invasive species.
Approach 2.3: Maintain livestock health and performance.

**Strategy 3: Reduce risks from warmer and drier conditions.**
Approach 3.1: Adjust the timing or location of on-farm activities.
Approach 3.2: Manage crops to cope with warmer and drier conditions.
Approach 3.3: Manage livestock to cope with warmer and drier conditions.

**Strategy 4: Reduce the risk and long-term impacts of extreme weather.**
Approach 4.1: Reduce peak flow, runoff velocity, and soil erosion.
Approach 4.2: Reduce severity or extent of water-saturated soil and flood damage.
Approach 4.3: Reduce severity or extent of wind damage to soils and crops.

**Strategy 5: Manage farms and fields as part of a larger landscape.**
Approach 5.1: Maintain or restore natural ecosystems.
Approach 5.2: Promote biological diversity across the landscape.
Approach 5.3: Enhance landscape connectivity.

**Strategy 6: Alter management to accommodate expected future conditions.**
Approach 6.1: Diversify crop or livestock species, varieties or breeds, or products.
Approach 6.2: Diversify existing systems with new combinations of varieties or breeds.
Approach 6.3: Switch to commodities expected to be better suited to future conditions.

**Strategy 7: Alter agricultural systems or lands to new climate conditions.**
Approach 7.1: Minimize potential impacts following disturbance.
Approach 7.2: Realign severely altered systems toward future conditions.
Approach 7.3: Alter lands in agricultural production.

**Strategy 8: Alter infrastructure to match new and expected conditions.**
Approach 8.1: Expand or improve water systems to match water demand and supply.
Approach 8.2: Use structures to increase environmental control for plant crops.
Approach 8.3: Improve or develop structures to reduce animal heat stress.
Approach 8.4: Match infrastructure and equipment to new and expected conditions.

For the full resource, visit: forestadaptation.org/ag-menu