



Disaster Risk Reduction–Promoting Stress Tolerant Cotton Varieties: “Lumian 28, 29 and 30”

New Cotton Varieties:
Lumian 28,29 & 30



Increasing tolerance to
drought and water logging



Cotton-Wheat and Cotton-Garlic
Intercropping



Field Demonstration

Comparison between stress-tolerant cotton varieties tested under drought & water-logging conditions (2009) with long-term average productivity of previously used varieties (Yumian 668 and Zhongmiansuo 41)

Varieties	Yield (kg/mu)	Gross income (RMB/mu)	Net income (RMB/mu)	Profit Comparison (%)
Lumian 28 (n= 144)	252.6	1717.7	907.7	+15.3
Lumian 29 (n= 137)	251.3	1708.3	898.3.	+14.6
Lumian 30 (n= 24)	254.2	1728.6	918.6	+16.0
Control	219.2	1490.1	768.1	-

n:number of households participating in the field trials

Hazard tolerant varieties enhanced the hazard resilience of local farming systems and increased farmers' incomes.