FARMS UNDER THREAT: THE STATE OF THE STATES



Exploring our Findings

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Agenda

- Drivers of Conversion
- Visualizing the Threats
- Assessing the Policy Response
- Call to Action
- Questions & Answers







What is Farms Under Threat?

AFT's multi-year initiative to document the status of and threats to America's agricultural land while offering policy solutions to save that land.





Our Approach

Identify Threats to Agricultural Land





Inform Policymaking

AND

Analyze State Policy Responses



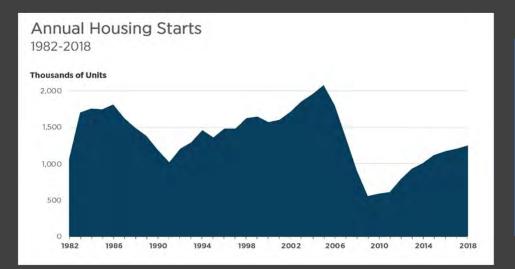


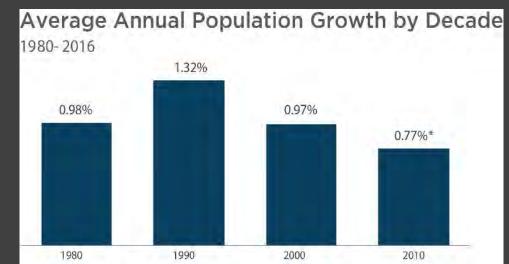
Protect More Farmland and Ranchland

American Farmland Trust SAVING THE LAND THAT SUSTAINS US



Drivers of Agricultural Land Conversion







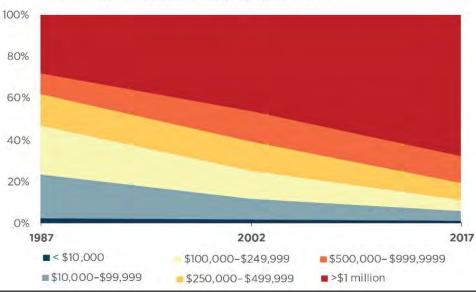
Poorly Planned Development





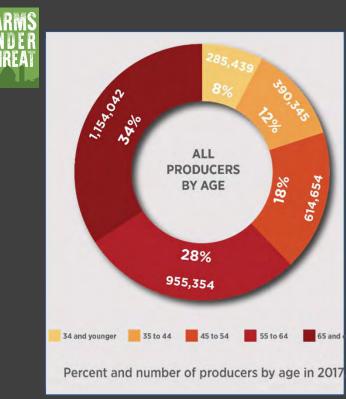


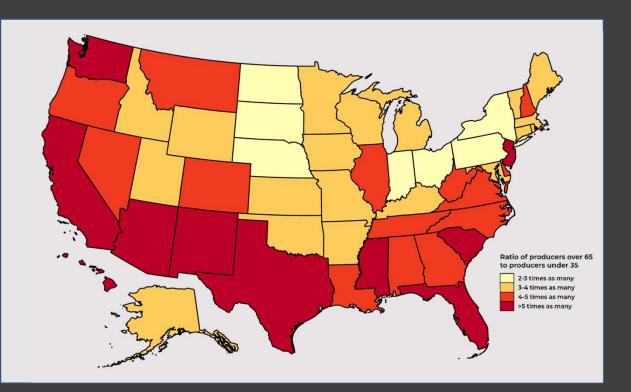
The Shrinking Middle Share of U.S. Production Value by Sales Class



Weakening Ag Viability







Impending Transfer of Land

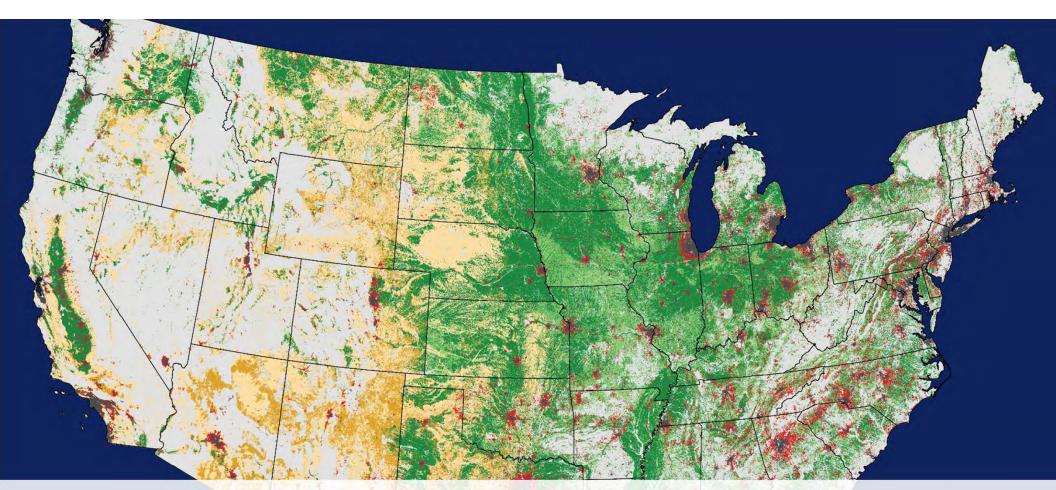
> 40% of U.S. ag land is owned by seniors aged 65 and older





Climate Change





Visualizing the Threats

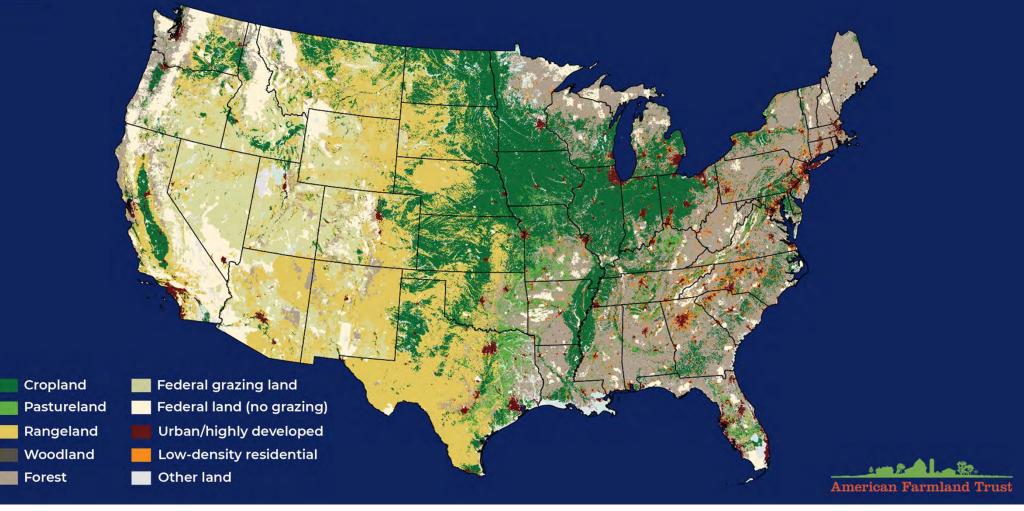


Spatial Modeling Approach 1. Map land use, with a special focus on agricultural lands





The Agricultural Landscape of the United States (2016)





Spatial Modeling Approach

- 1. Map land use, with a special focus on agricultural lands
- 2. Identify the best agricultural lands



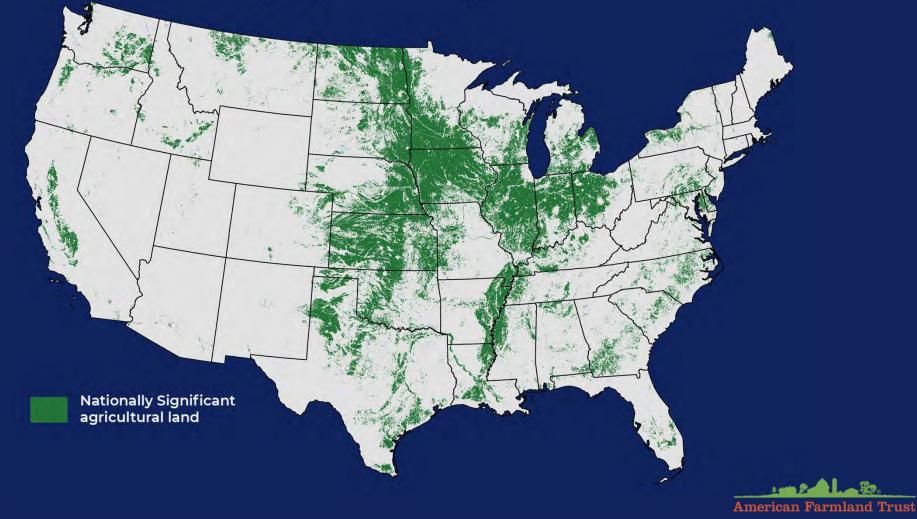


Productivity, Versatility, and Resiliency





Nationally Significant Agricultural Land



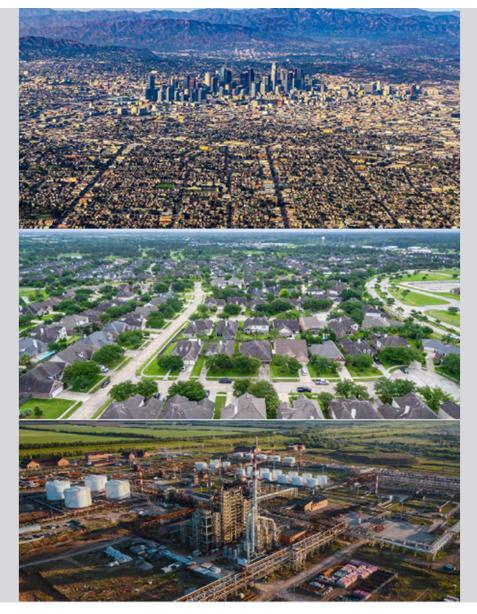


Spatial Modeling Approach

- 1. Map land use, with a special focus on agricultural lands
- 2. Identify the best agricultural lands
- 3. Map conversion of agricultural lands, '01-16





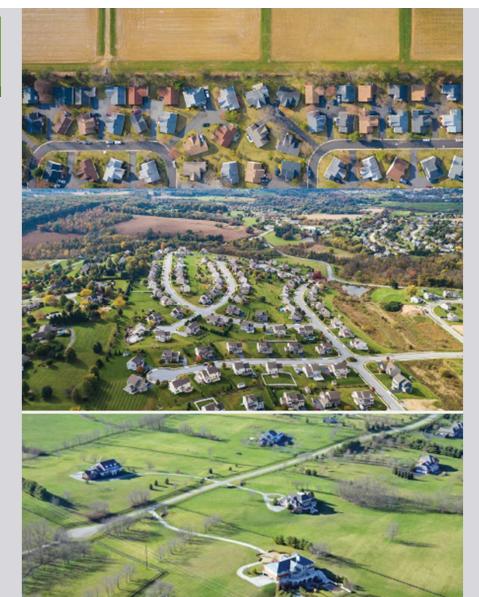


Urban and Highly Developed (UHD)

- "Built-up" or developed areas of residential, commercial, and industrial use
- Includes oil and gas well pads and solar panel installations







Low-Density Residential (LDR)

- New analysis developed for *Farms Under Threat*
- Ranges from less-dense subdivisions to rural areas where residential use is intensifying
- Fragmentation
- Limits options for working farms and ranches





Development Threatens Each State's Best Agricultural Land

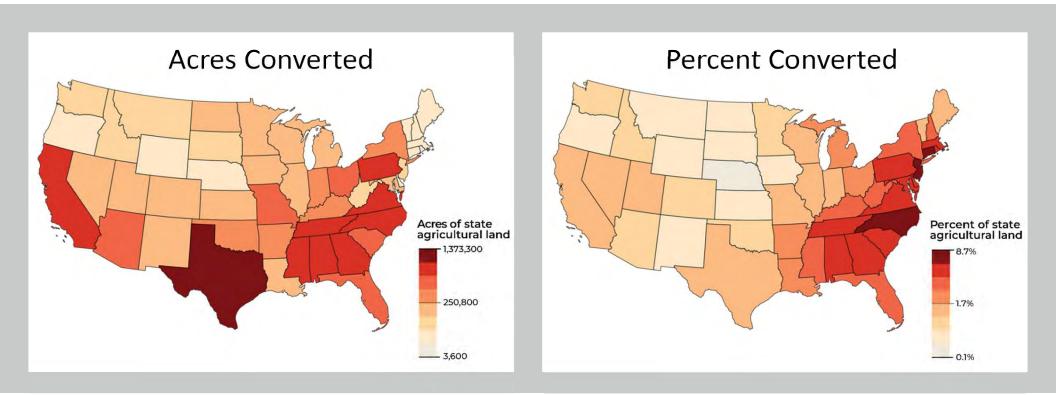
- From 2001–2016, the U.S. converted 11 million acres of agricultural land
 Equal to all the land planted to fruits, nuts and vegetables in 2017
 2000 acres/day
- Low-density residential land use is a major threat
 4 million acres were converted to urban and highly developed land use
 Nearly 7 million acres were converted to low-density residential land use
- 4.4 million acres of the total conversion occurred on Nationally Significant agricultural land





Development Threatens Each State's Best Agricultural Land





Total Conversion (2001-2016)



TOP 12 MOST THREATENED STATES



Assessing the Policy Response

APTA

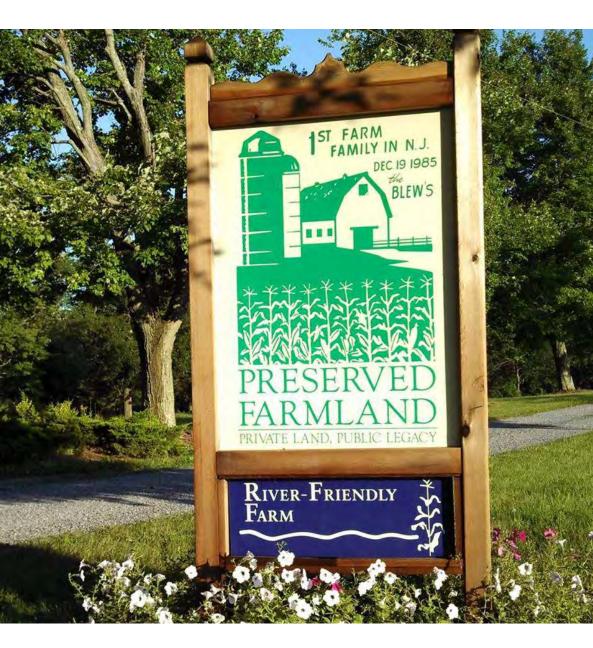
AMM



Agricultural Land Protection Scorecard

- Assesses efforts to protect and retain agricultural land
- Focuses on 6 approaches
- Rates program performance and states' overall response





Programs & Policies

- Purchase of Agricultural Conservation Easements (PACE)
- Land Use Planning
- Agricultural Districts
- Real Property Tax Relief
- Farm Link
- State Leasing





Scorecard Approach

- 1. Selected Policies and Programs
- 2. Developed Factors
- 3. Examined Policies
- 4. Calculated Scores
- 5. Analyzed Responses



FARMS UNDER THREAT

Calculating Policy Response Scores

POLICY	RANK	WEIGHT
Purchase of Agricultural Conservation Easements	1	32.5%
Planning and Land Use Policies	1	32.5%
Real Property Tax Relief	3	15.8%
Agricultural Districts	4	10.3%
Farm Link	5	6.1%
State Leasing	6	2.8%

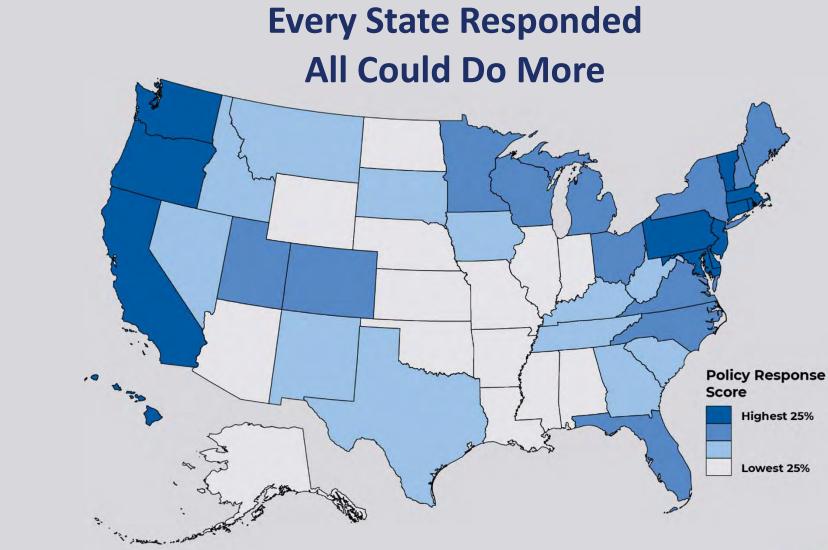
mland Trust



The Agricultural Land Protection Scorecard

PACE 32.50%	79	79	66	65	10																	_																			_	_			_	
					0	33	46 4	6 1	2 2	5 5	0 2	9 32	30	49	40	26	28	27	37	31	38	30	0	31	23	0	25 3	50 0	0 0	0 17	12	0	9	0	6 (0	0	0	0	9	0	0	0	0	0 0	0
	47	53	62	47 5	50	51	50 5	88	8 7	9 3	4 5	2 20	27	34	32	32	29	18	28	47	13	21	28	19	23	23	15 1	15 2	27 20	6 19	19	33	18	24	62	2 2	13	5 15	20	11	22	17	13	12	8 9	10
Property Tax Relief	40	42	48	50 !	55	56	35 3	7 5	51 4	2 4	2 4	7 37	37	21	38	28	30	30	35	8	37	52	36	8	22	17	29 1	16 3	3 4	68	34	19	21	19 2	0 1	7 19) 13	31	17	18	17	14	13	18	16 8	8
Agricultural Districts	63	72	0	57	0	68	0 (0	0 (0 18	в с	63	55	0	0	49	45	38	0	0	45	0	57	36	0	31	0	0 2	20 0	0 0	0	0	0	0	D (0 0	41	1 0	0	0	0	0	0	0	0 (0
Farm Link 6.10%	54	0	53	0	0	0	79 1	7 (0 (0 0) (84	54	0	0	0	0	75	0	0	0	0	52	0	24	77	0	0 (0 0	50	0 0	0	0	0	0 (0	0	0	0	0	0	0	0	0	0 0	0
State Leasing 2.80%	63	52	40	59 !	59	30	77 6	8 6	3 5	7 8	48	97	7	69	48	7	9	7	33	43	7	19	51	45	0	57	51	7 5	64 6	2 50	0 7	40	64	47	9 5	7 54	1 29	39	60	46	7	0	50	7 4	10 4	3 0
Total Raw MAX Score 600	345	298	269 3	279 2	40 2	238 2	287 23	27 2	14 20	03 22	28 21	7 24	2 209	9 174	159	142	141	194	134	128	139	122 2	224	139	92 2	205 1	20 6	58 13	33 13	3 14:	2 72	91	111	90 9	91 9	6 94	96	5 86	97	83	45	31	76	37 6	64 6	5 18
Weighted Policy Ma Response Score 10	59	58	53	52	51	44	44 4	34	2 4	2 3	8 3	6 34	33	32	31	28	28	28	28	28	27	25	25	22	20	20	19 1	17 1	7 13	7 17	16	15	14	12 1	2 1.	2 11	11	11	11	10	10	8	8	7	6 6	5
QUARTILE						1												2											3											4						

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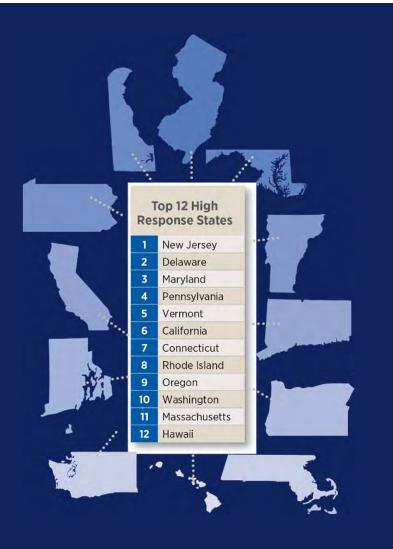






Leading States Responded to Visible Changes

- 7 were among the top 10 most densely populated states in 1950
- Remaining 3 experienced doubledigit population growth
- Half experienced double-digit percentage losses of agricultural land



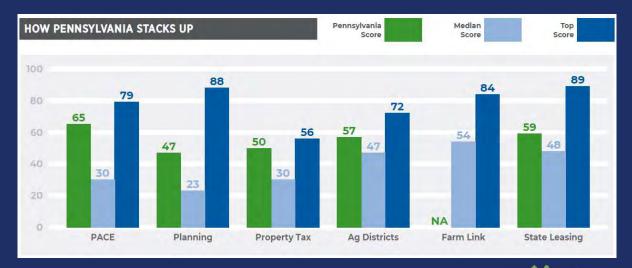




Coordination is Key

Leaders Linked Multiple Approaches



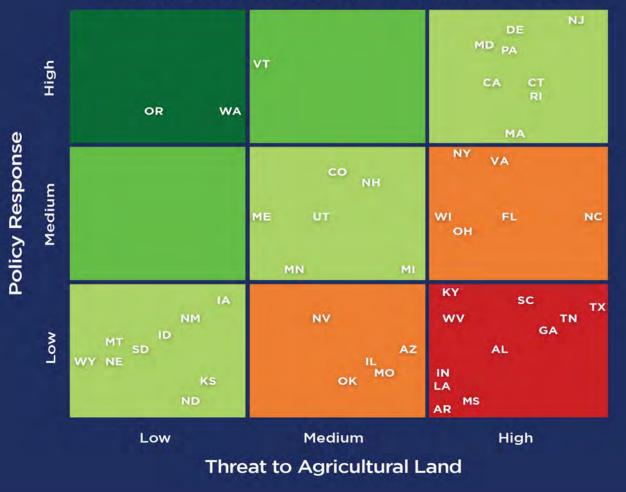


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Conversion Threat and Policy Response



Comparing Threat to Response





Analyze and Map Ag Land Trends and Conditions





Strengthen or Adopt a Suite of Coordinated Policies



Support Farm Viability and Access to Land



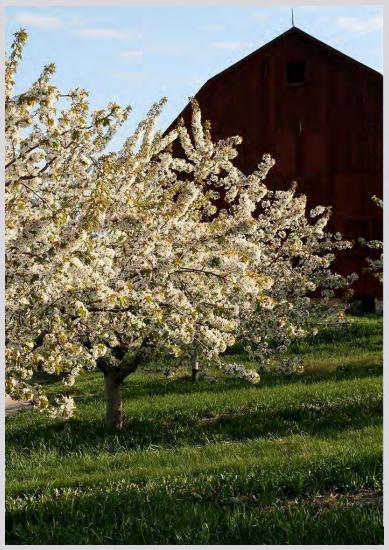
Plan for Agriculture, Not Just Around it





Save the Best, but Don't Forget the Rest





Food in the Path of Development





VISIT FARMLAND INFORMATION CENTER VISIT AMERICAN FARMLAND TRUST The State of the States Select a state... Reports and Data **National Summary** Welcome Spatial Mapping Policy Scorecard Call to Action Map Satellite National Conversion of Agricultural Land (2001-2016) Calgary Findings QUÉBEC ONTARIO Navigation Hel Conversion of Quebec Agricultural Land RRUNSWICK (2001-2016) About this layer 4.139.600 acres NEVADA of the Conterminous U.S.' UTAH agricultural land were converted to urban and highly developed Conversion of Agricultural Land (2001 - 2016) VISIT FARMLAND INFORMATION CENTER VISIT AMERICAN FARMLAND TRUST (UHD) land use ARIZON Conversion of agricultural land to UHD and LDR land uses The State of the States 6.792.800 acres Select a state... • Reports and Data • National Summary of the Conterminous U.S. Above state median PVR agricultural land were converted BAJA CALIFORNIA SUR COAHUILA ow state median PVR to low-density residential (LDR) Spatial Mapping Policy Scorecard Call to Action Welcome Urban areas Federal, forest, and other lands land use SINALOA Mexico



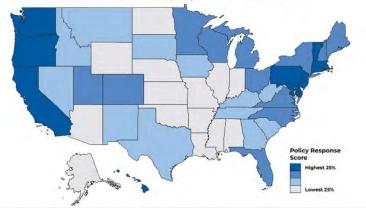
The Agricultural Land Protection (ALP) Scorecard is a stateby-state analysis of policies and programs that address the loss of farmland to development. Intended to inform decision-making and legislative action, it assesses state actions, measures their performance, and highlights effective aspects of the following programs and policies:

- 1. Purchase of agricultural conservation easement programs (PACE)
- 2. Land use planning and growth management
- 3. Property tax relief for agricultural land
- 4. Agricultural district programs
- 5. Farm Link programs
- 6. State leasing programs

We used quantitative and qualitative factors to compare approaches across 50 states. The results for each policy are summarized in the *policy scoresheets*. We rolled up the totals from each scoresheet to generate Policy Response Scores, which are presented in the *ALP Scorecard* and serve

Policy Response Scores by Quartile

Click on the map to see the policy scores for the selected state.



www.farmland.org/ farmsunderthreat





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Explore the maps and scorecard at: www.farmland.org/farmsunderthreat

For more information about the project or AFT: www.farmland.org