

Table 3

GTAP results for land-use change (percent changes), 2016–36

Corn-only shock U.S. land			Soybean-only shock U.S. land			Combined shock U.S. land					
Forest	Crops	Pasture	Forest	Crops	Pasture	Forest	Crops	Pasture			
0.01	-0.03	0.01	-0.01	0.01	0.00	0	-0.02	0.01			
Corn	Soybeans	Other crops	Corn	Soybeans	Other crops	Corn	Soybeans	Other crops			
-1.08	0.03	0.35	-0.14	0.31	-0.05	-1.20	0.35	0.31			
AEZs			AEZs			AEZs					
AEZ 8	-12.50	3.25	2.52	AEZ 8	0.79	-3.72	0.35	AEZ 8	-11.72	-0.50	2.92
AEZ 9	-0.70	0.69	0.04	AEZ 9	0.17	0.80	-0.18	AEZ 9	-0.49	1.53	-0.16
AEZ 10	1.81	-0.83	-1.38	AEZ 10	-0.82	2.37	-1.18	AEZ 10	1.01	1.54	-2.57
AEZ 11	2.22	-0.18	-0.61	AEZ 11	1.05	-2.25	0.51	AEZ 11	3.33	-2.41	-0.13
AEZ 12	0.24	0.30	-0.17	AEZ 12	1.19	-4.19	0.61	AEZ 12	1.48	-3.86	0.44

GTAP = Global Trade Analysis Project; AEZ = Agro-Ecological Zone. U.S. = United States.

Note: The computable general equilibrium (CGE) model has two stages of land changes. The first stage is the competition for land among forest, crops, and pasture. This is shown in the first row of results. In the second stage, crops areas are then split into use among the different crop types. Results are presented by individual AEZs for each of the crops in the model.

Source: USDA, Economic Research Service.